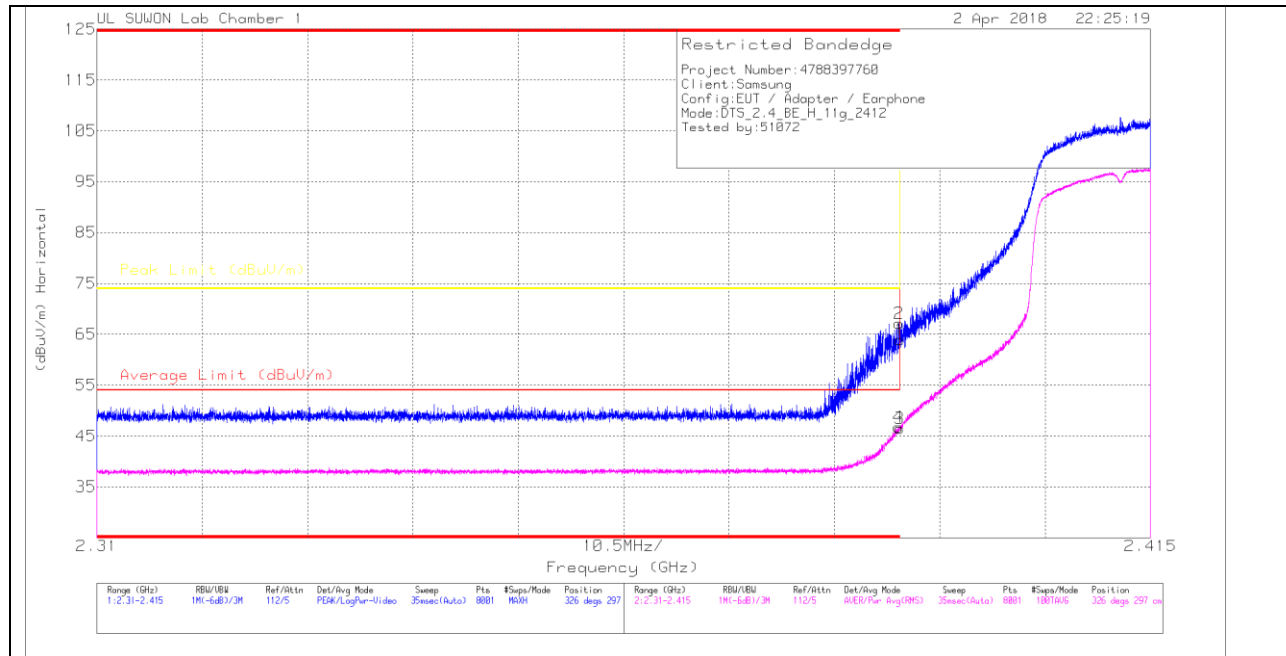


## 11.2.2.TX ABOVE 1 GHz 802.11g MODE IN THE 2.4 GHz BAND

### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

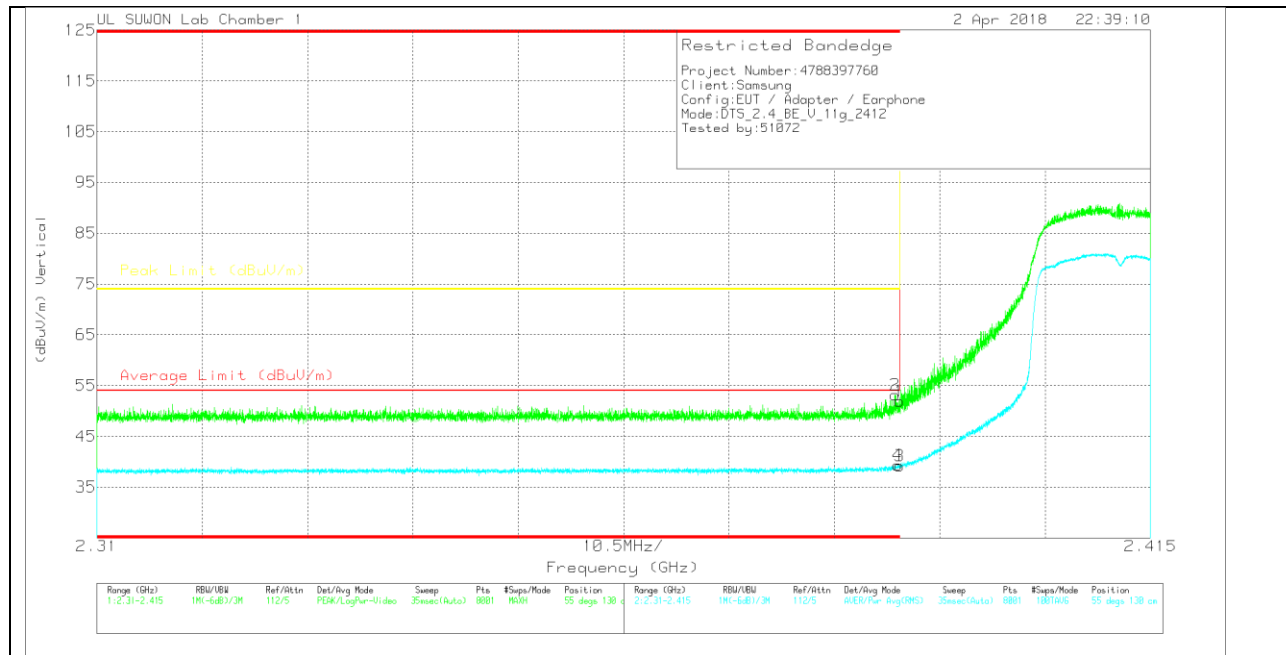
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.39          | 58.38                | Pk  | 31.3                    | -25.7               | 0            | 63.98                      | -                      | -           | 74                  | -10.02         | 326            | 297         | H        |
| 2      | * 2.39          | 61.58                | Pk  | 31.3                    | -25.7               | 0            | 67.18                      | -                      | -           | 74                  | -6.82          | 326            | 297         | H        |
| 3      | * 2.39          | 40.89                | RMS | 31.3                    | -25.7               | -14          | 46.63                      | 54                     | -7.37       | -                   | -              | 326            | 297         | H        |
| 4      | * 2.39          | 41.12                | RMS | 31.3                    | -25.7               | -14          | 46.86                      | 54                     | -7.14       | -                   | -              | 326            | 297         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.39          | 46.38                | Pk  | 31.3                    | -25.7               | 0            | 51.98                      | -                      | -           | 74                  | -22.02         | 55              | 130         | V        |
| 2      | * 2.39          | 47.59                | Pk  | 31.3                    | -25.7               | 0            | 53.19                      | -                      | -           | 74                  | -20.81         | 55              | 130         | V        |
| 3      | * 2.39          | 33.4                 | RMS | 31.3                    | -25.7               | .14          | 39.14                      | 54                     | -14.86      | -                   | -              | 55              | 130         | V        |
| 4      | * 2.39          | 33.6                 | RMS | 31.3                    | -25.7               | .14          | 39.34                      | 54                     | -14.66      | -                   | -              | 55              | 130         | V        |

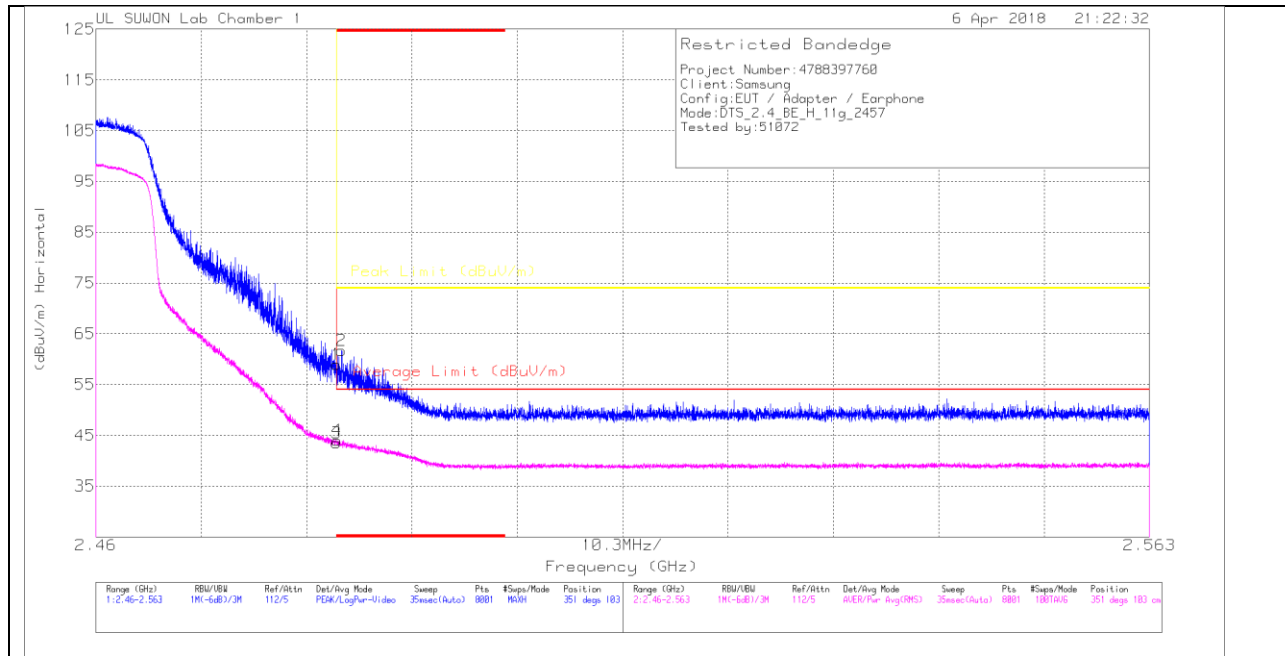
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

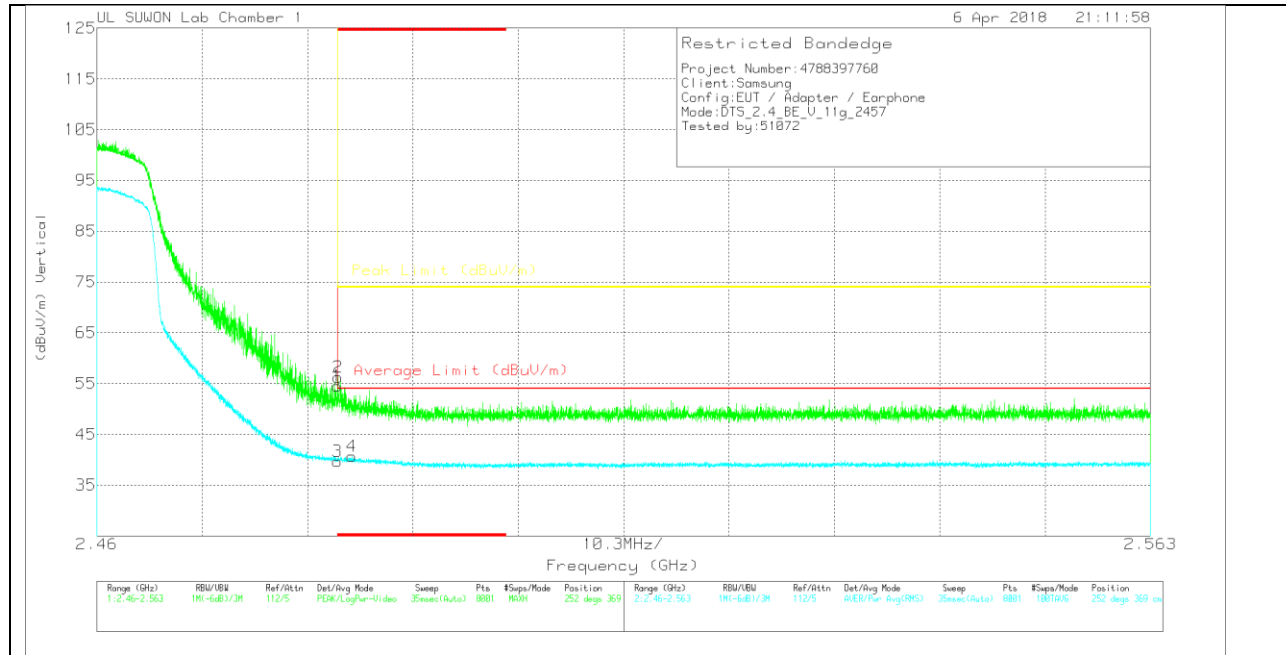
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 52.87                | Pk  | 31.6                    | -25.5               | 0            | 58.97                      | -                      | -           | 74                  | -15.03         | 351             | 103         | H        |
| 2      | * 2.484         | 55.57                | Pk  | 31.6                    | -25.5               | 0            | 61.67                      | -                      | -           | 74                  | -12.33         | 351             | 103         | H        |
| 3      | * 2.484         | 37.31                | RMS | 31.6                    | -25.5               | .14          | 43.55                      | 54                     | -10.45      | -                   | -              | 351             | 103         | H        |
| 4      | * 2.484         | 37.82                | RMS | 31.6                    | -25.5               | .14          | 44.06                      | 54                     | -9.94       | -                   | -              | 351             | 103         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 48.46                | Pk  | 31.6                    | -25.5               | 0            | 54.56                      | -                      | -           | 74                  | -19.44         | 252             | 369         | V        |
| 2      | * 2.484         | 50.17                | Pk  | 31.6                    | -25.5               | 0            | 56.27                      | -                      | -           | 74                  | -17.73         | 252             | 369         | V        |
| 3      | * 2.484         | 33.47                | RMS | 31.6                    | -25.5               | .14          | 39.71                      | 54                     | -14.29      | -                   | -              | 252             | 369         | V        |
| 4      | * 2.485         | 34.39                | RMS | 31.6                    | -25.5               | .14          | 40.63                      | 54                     | -13.37      | -                   | -              | 252             | 369         | V        |

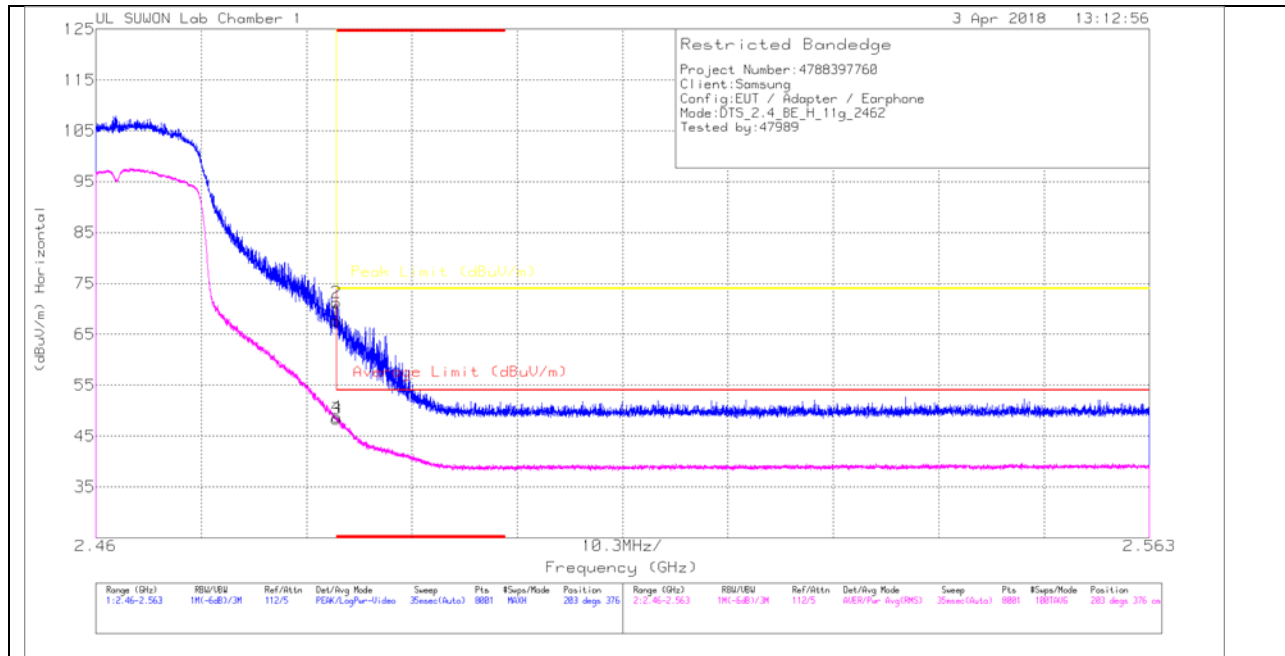
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (11 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

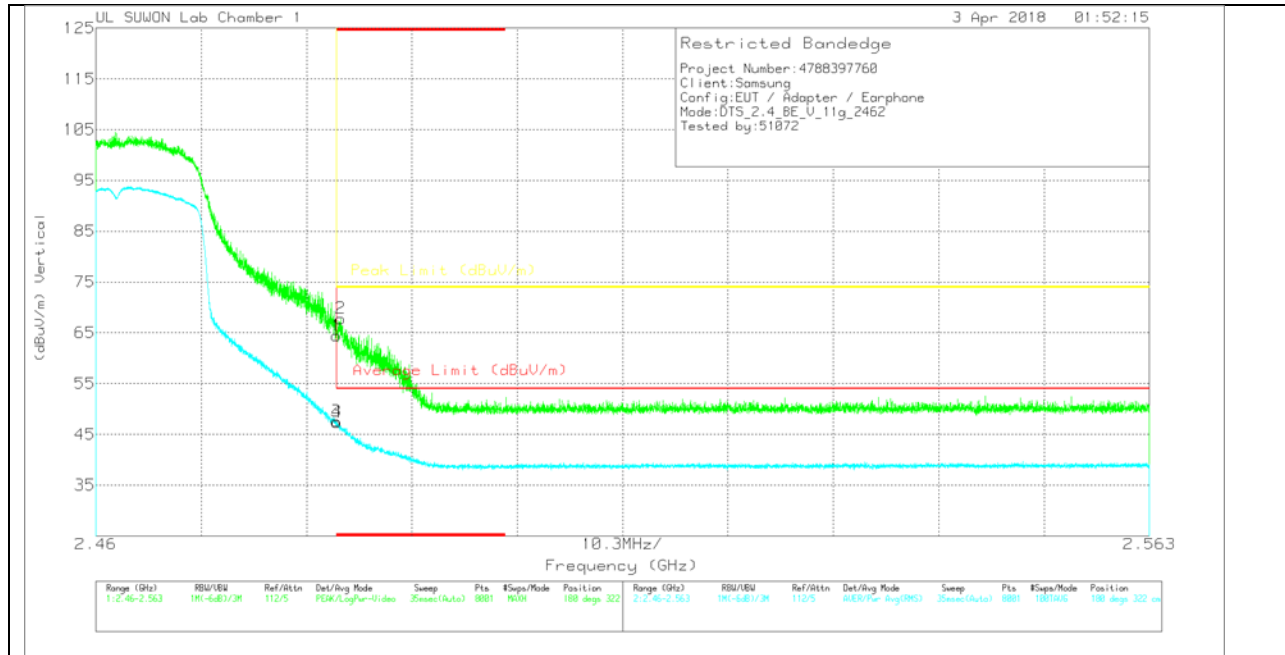
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00108 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 61.51                | Pk  | 31.6                    | -25.5               | 0            | 67.61                      | -                      | -           | 74                  | -6.39          | 203            | 376         | H        |
| 2      | * 2.484         | 65.11                | Pk  | 31.6                    | -25.5               | 0            | 71.21                      | -                      | -           | 74                  | -2.79          | 203            | 376         | H        |
| 3      | * 2.484         | 42.16                | RMS | 31.6                    | -25.5               | -14          | 48.4                       | 54                     | -5.6        | -                   | -              | 203            | 376         | H        |
| 4      | * 2.484         | 42.46                | RMS | 31.6                    | -25.5               | -14          | 48.7                       | 54                     | -5.3        | -                   | -              | 203            | 376         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00108 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 55.32                | Pk  | 31.6                    | -25.5               | 0            | 61.42                      | -                      | -           | 74                  | -12.58         | 244             | 398         | V        |
| 2      | * 2.484         | 58.74                | Pk  | 31.6                    | -25.5               | 0            | 64.84                      | -                      | -           | 74                  | -9.16          | 244             | 398         | V        |
| 3      | * 2.484         | 38.19                | RMS | 31.6                    | -25.5               | .14          | 44.43                      | 54                     | -9.57       | -                   | -              | 244             | 398         | V        |
| 4      | * 2.484         | 38.84                | RMS | 31.6                    | -25.5               | .14          | 45.08                      | 54                     | -8.92       | -                   | -              | 244             | 398         | V        |

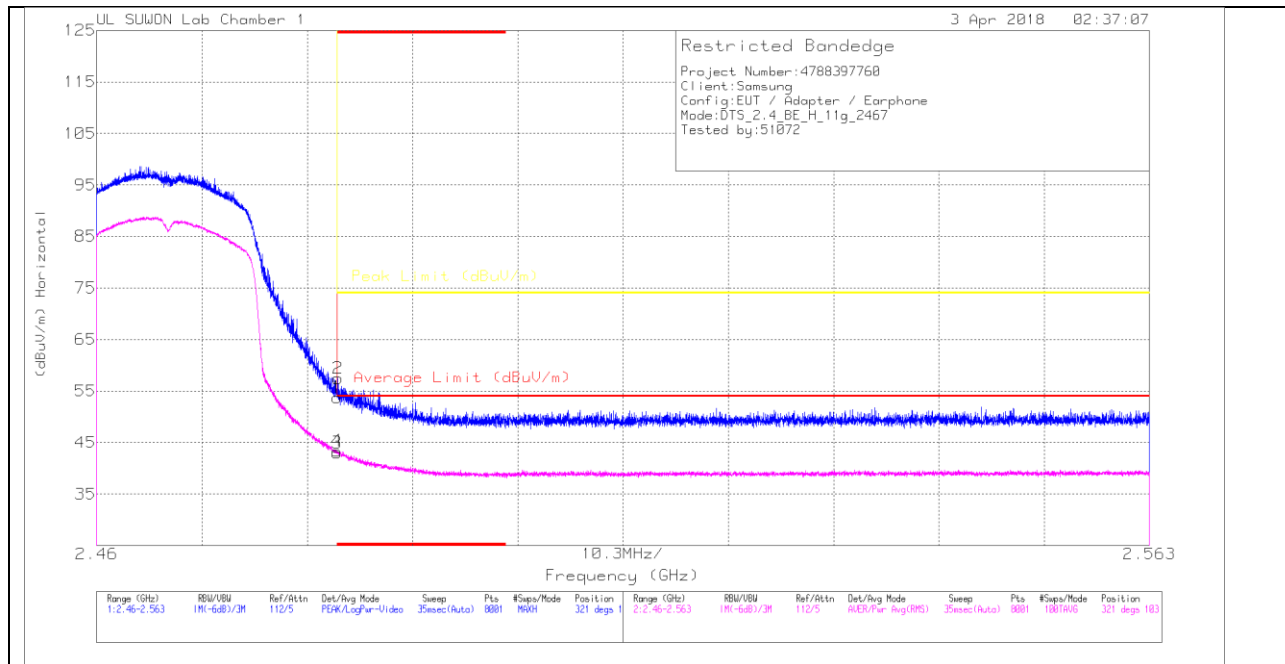
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (12 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

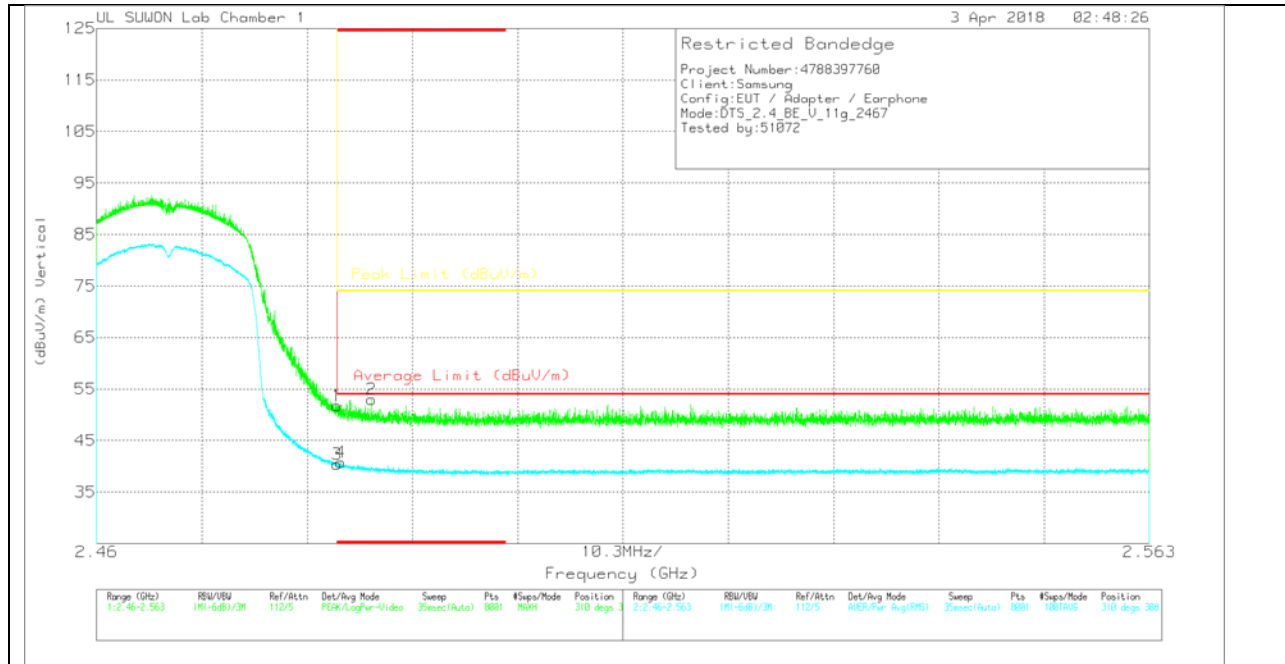
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00108 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 47.65                | Pk  | 31.6                | -25.5               | 0            | 53.75                      | -                      | -           | 74                  | -20.25         | 321             | 103         | H        |
| 2      | * 2.484         | 51.36                | Pk  | 31.6                | -25.5               | 0            | 57.46                      | -                      | -           | 74                  | -16.54         | 321             | 103         | H        |
| 3      | * 2.484         | 36.77                | RMS | 31.6                | -25.5               | .14          | 43.01                      | 54                     | -10.99      | -                   | -              | 321             | 103         | H        |
| 4      | * 2.484         | 37.11                | RMS | 31.6                | -25.5               | .14          | 43.35                      | 54                     | -10.65      | -                   | -              | 321             | 103         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 45.64                | Pk  | 31.6                    | -25.5               | 0            | 51.74                      | -                      | -           | 74                  | -22.26         | 310             | 388         | V        |
| 2      | * 2.487         | 46.76                | Pk  | 31.6                    | -25.4               | 0            | 52.96                      | -                      | -           | 74                  | -21.04         | 310             | 388         | V        |
| 3      | * 2.484         | 34.13                | RMS | 31.6                    | -25.5               | .14          | 40.37                      | 54                     | -13.63      | -                   | -              | 310             | 388         | V        |
| 4      | * 2.484         | 34.48                | RMS | 31.6                    | -25.5               | .14          | 40.72                      | 54                     | -13.28      | -                   | -              | 310             | 388         | V        |

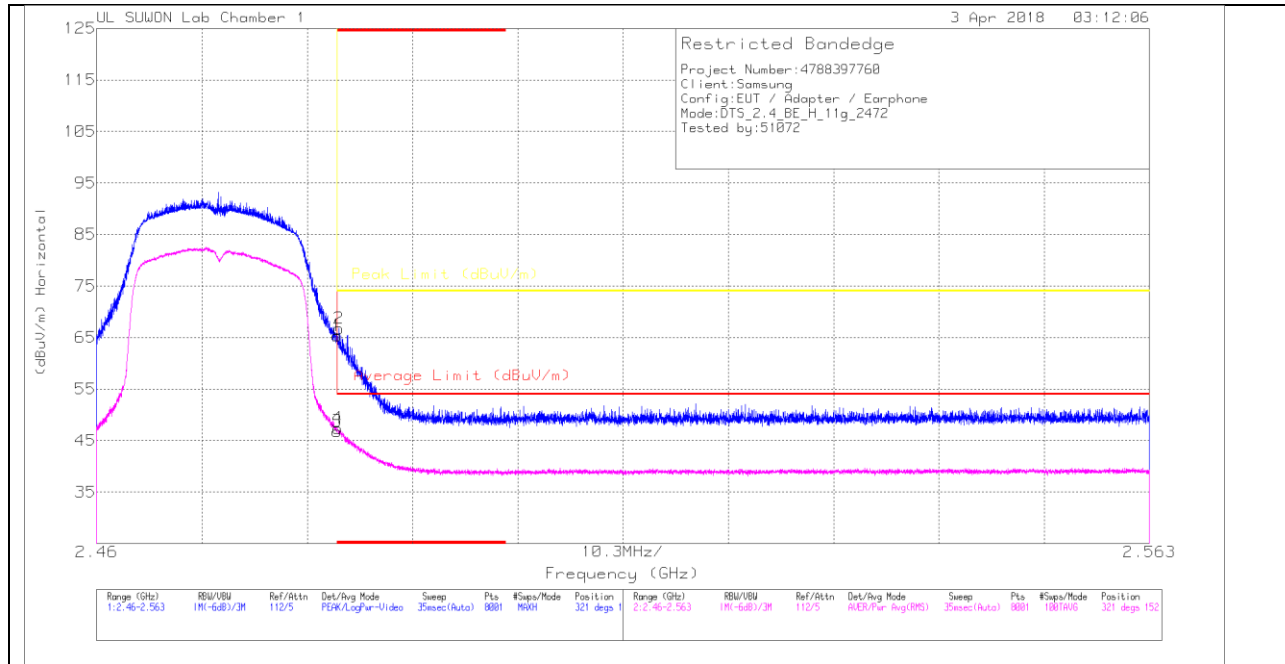
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (13 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

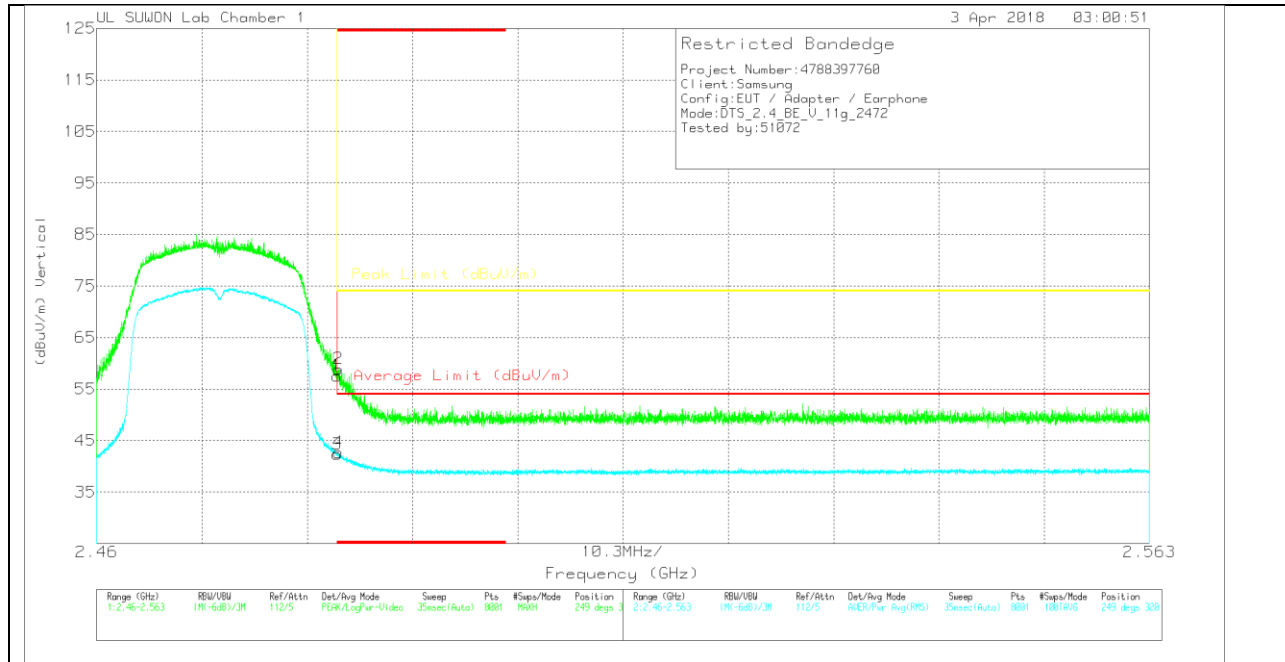
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00108 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 59.22                | Pk  | 31.6                    | -25.5               | 0            | 65.32                      | -                      | -           | 74                  | -8.68          | 321            | 152         | H        |
| 2      | * 2.484         | 60.64                | Pk  | 31.6                    | -25.5               | 0            | 66.74                      | -                      | -           | 74                  | -7.26          | 321            | 152         | H        |
| 3      | * 2.484         | 40.56                | RMS | 31.6                    | -25.5               | .14          | 46.8                       | 54                     | -7.2        | -                   | -              | 321            | 152         | H        |
| 4      | * 2.484         | 41.16                | RMS | 31.6                    | -25.5               | .14          | 47.4                       | 54                     | -6.6        | -                   | -              | 321            | 152         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 51.46                | Pk  |                         | -25.5               | 0            | 57.56                      | -                      | -           | 74                  | -16.44         | 249             | 320         | V        |
| 2      | * 2.484         | 52.81                | Pk  |                         | -25.5               | 0            | 58.91                      | -                      | -           | 74                  | -15.09         | 249             | 320         | V        |
| 3      | * 2.484         | 36.08                | RMS |                         | -25.5               | .14          | 42.32                      | 54                     | -11.68      | -                   | -              | 249             | 320         | V        |
| 4      | * 2.484         | 36.43                | RMS |                         | -25.5               | .14          | 42.67                      | 54                     | -11.33      | -                   | -              | 249             | 320         | V        |

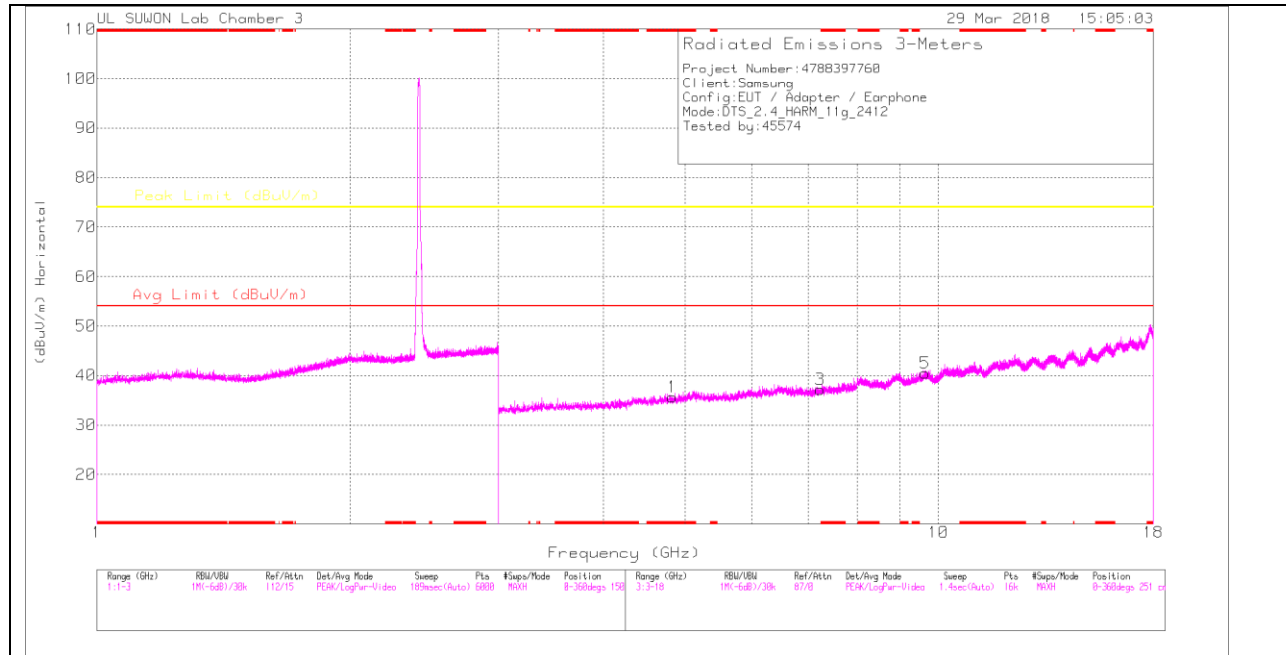
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

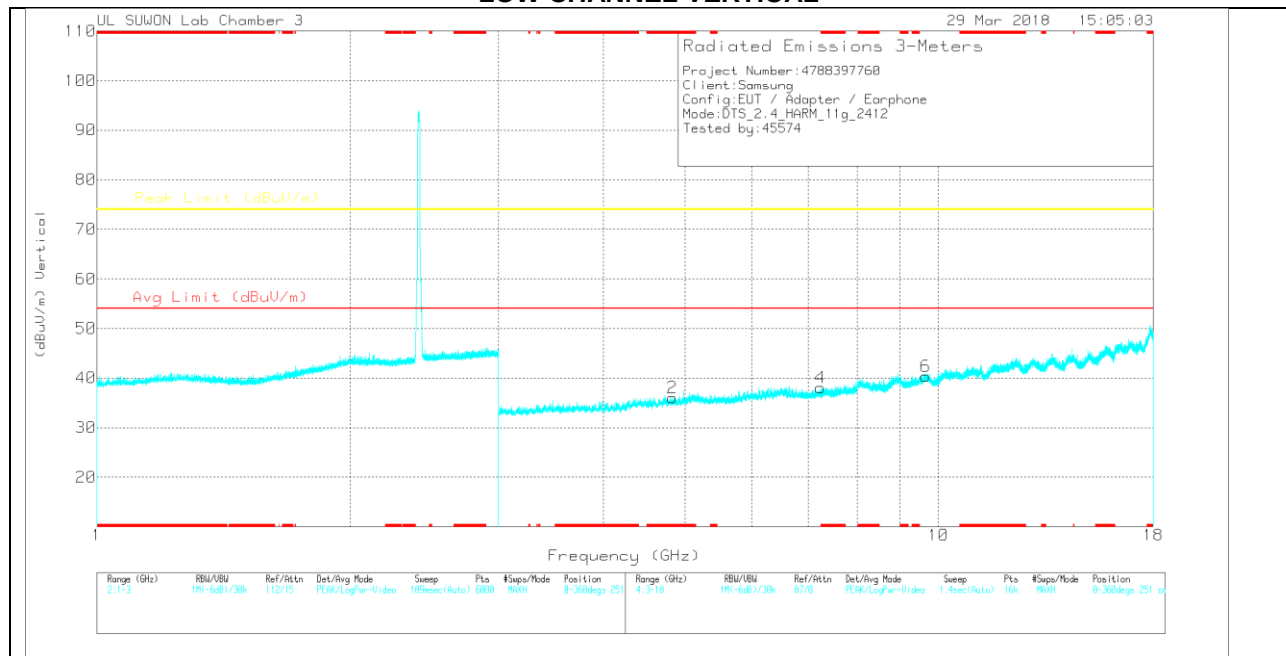
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



### LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## LOW CHANNEL DATA

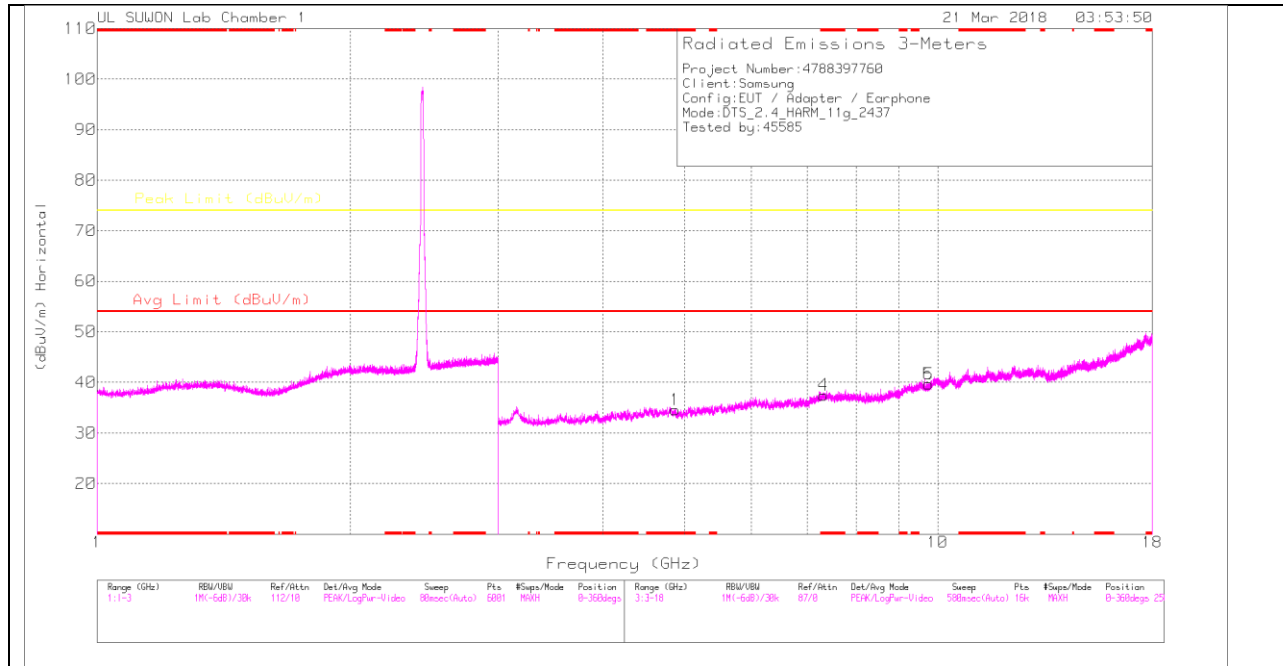
### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117(00205959) | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 4.829         | 30.07                | PK  | 34             | -28.4       | 0            | 35.67                      | -                  | -           | 74                  | -38.33      | 0-360          | 150         | H        |
| 3      | 7.238           | 25.47                | PK  | 35.6           | -23.9       | 0            | 37.17                      | -                  | -           | 74                  | -36.83      | 0-360          | 150         | H        |
| 5      | 9.646           | 23.61                | PK  | 36.7           | -19.8       | 0            | 40.51                      | -                  | -           | 74                  | -33.49      | 0-360          | 150         | H        |
| 2      | * 4.827         | 30.47                | PK  | 34             | -28.4       | 0            | 36.07                      | -                  | -           | 74                  | -37.93      | 0-360          | 149         | V        |
| 4      | 7.241           | 26.34                | PK  | 35.6           | -23.9       | 0            | 38.04                      | -                  | -           | 74                  | -35.96      | 0-360          | 251         | V        |
| 6      | 9.651           | 23.29                | PK  | 36.7           | -19.7       | 0            | 40.29                      | -                  | -           | 74                  | -33.71      | 0-360          | 149         | V        |

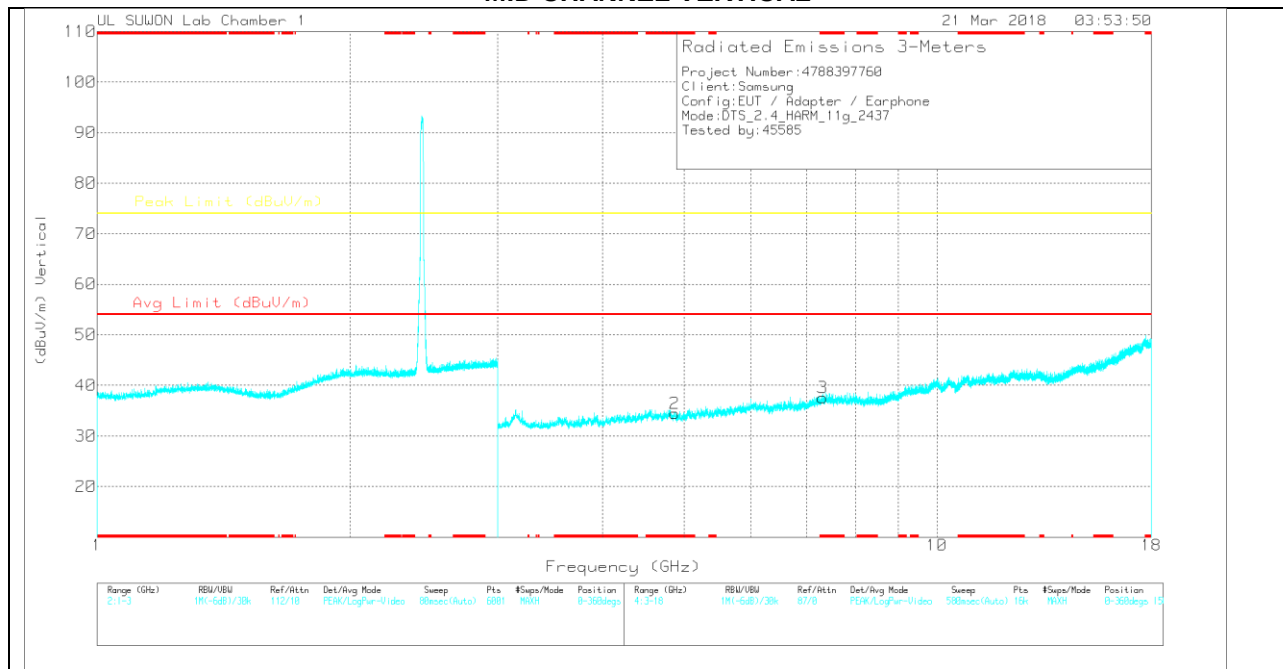
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### MID CHANNEL HORIZONTAL



### MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## MID CHANNEL DATA

### Trace Markers

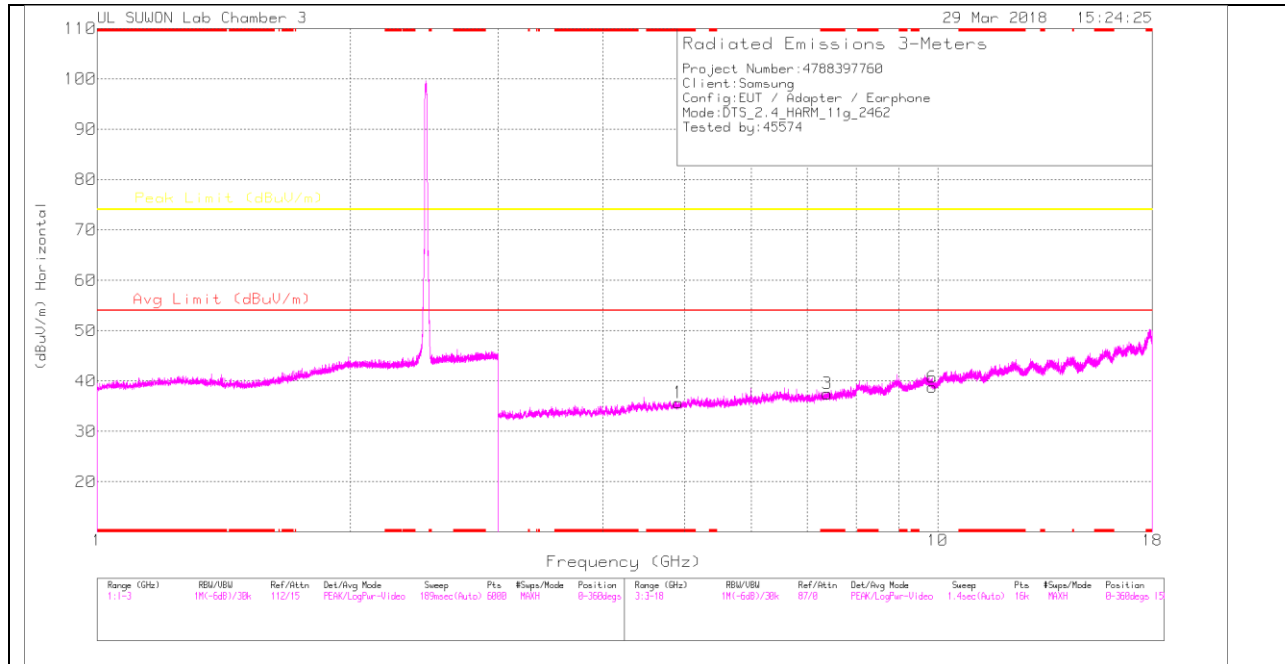
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117(00005959) | 3GHz_HP(dB) | DC.Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 4.869         | 31.41                | PK  | 34             | -28.8       | 0            | 36.61                      | -                  | -           | 74                  | -37.39      | 0-360          | 250         | H        |
| 4      | * 7.311         | 26.55                | PK  | 35.6           | -23.5       | 0            | 38.65                      | -                  | -           | 74                  | -35.35      | 0-360          | 250         | H        |
| 5      | 9.741           | 23.51                | PK  | 36.9           | -19.5       | 0            | 40.91                      | -                  | -           | 74                  | -33.09      | 0-360          | 150         | H        |
| 2      | * 4.868         | 30.58                | PK  | 34             | -28.8       | 0            | 35.78                      | -                  | -           | 74                  | -38.22      | 0-360          | 150         | V        |
| 3      | * 7.302         | 25.96                | PK  | 35.6           | -23.7       | 0            | 37.86                      | -                  | -           | 74                  | -36.14      | 0-360          | 250         | V        |
| 6      | 9.748           | 23.89                | PK  | 36.9           | -19.5       | 0            | 41.29                      | -                  | -           | 74                  | -32.71      | 0-360          | 150         | V        |

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

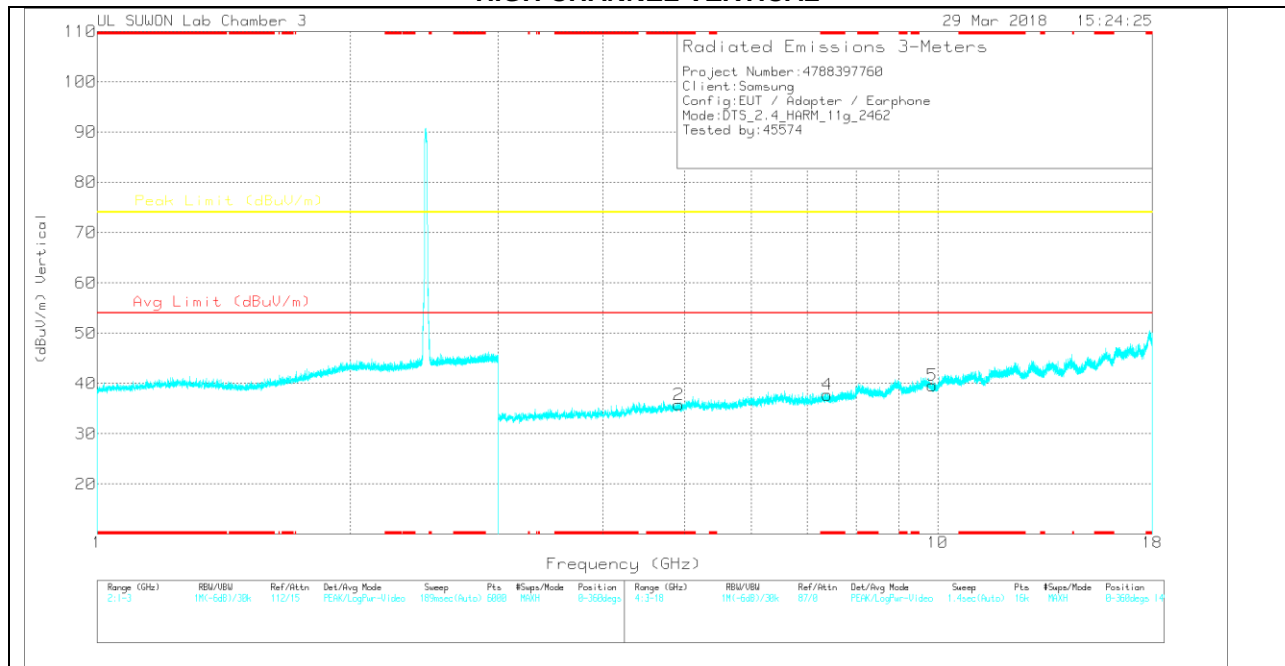
PK – Peak detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## HIGH CHANNEL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117[00205959] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degree) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|------------------|-------------|----------|
| 1      | * 4.918         | 30.6                 | PK  | 34             | -28.9       | 0            | 35.7                       | -                  | -           | 74                  | -38.3       | 0-360            | 150         | H        |
| 3      | * 7.393         | 24.88                | PK  | 35.6           | -23         | 0            | 37.48                      | -                  | -           | 74                  | -36.52      | 0-360            | 250         | H        |
| 6      | 9.851           | 21.45                | PK  | 37             | -19.7       | 0            | 38.75                      | -                  | -           | 74                  | -35.25      | 0-360            | 250         | H        |
| 2      | * 4.919         | 30.66                | PK  | 34             | -28.9       | 0            | 35.76                      | -                  | -           | 74                  | -38.24      | 0-360            | 251         | V        |
| 4      | * 7.394         | 25.14                | PK  | 35.6           | -23         | 0            | 37.74                      | -                  | -           | 74                  | -36.26      | 0-360            | 149         | V        |
| 5      | 9.85            | 22.3                 | PK  | 37             | -19.7       | 0            | 39.6                       | -                  | -           | 74                  | -34.4       | 0-360            | 251         | V        |

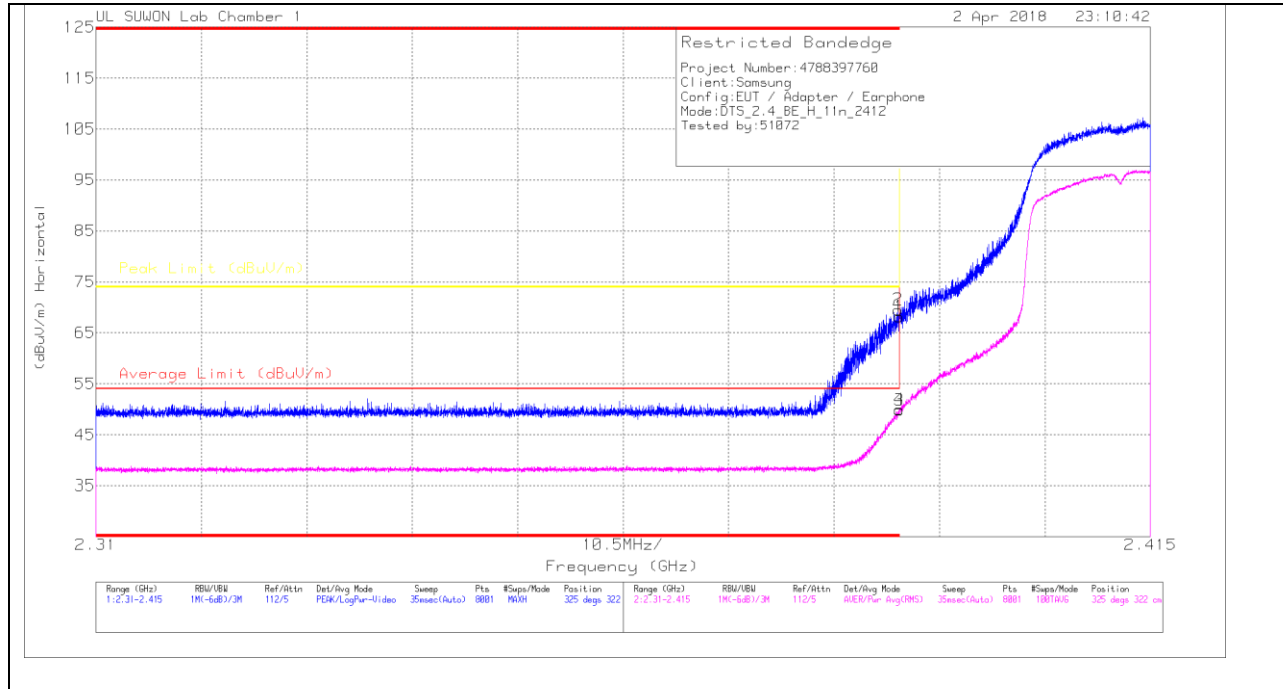
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
PK – Peak detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

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

#### RESTRICTED BANDEDGE (LOW CHANNEL)

#### HORIZONTAL PEAK AND AVERAGE PLOT



#### HORIZONTAL DATA

##### Trace Markers

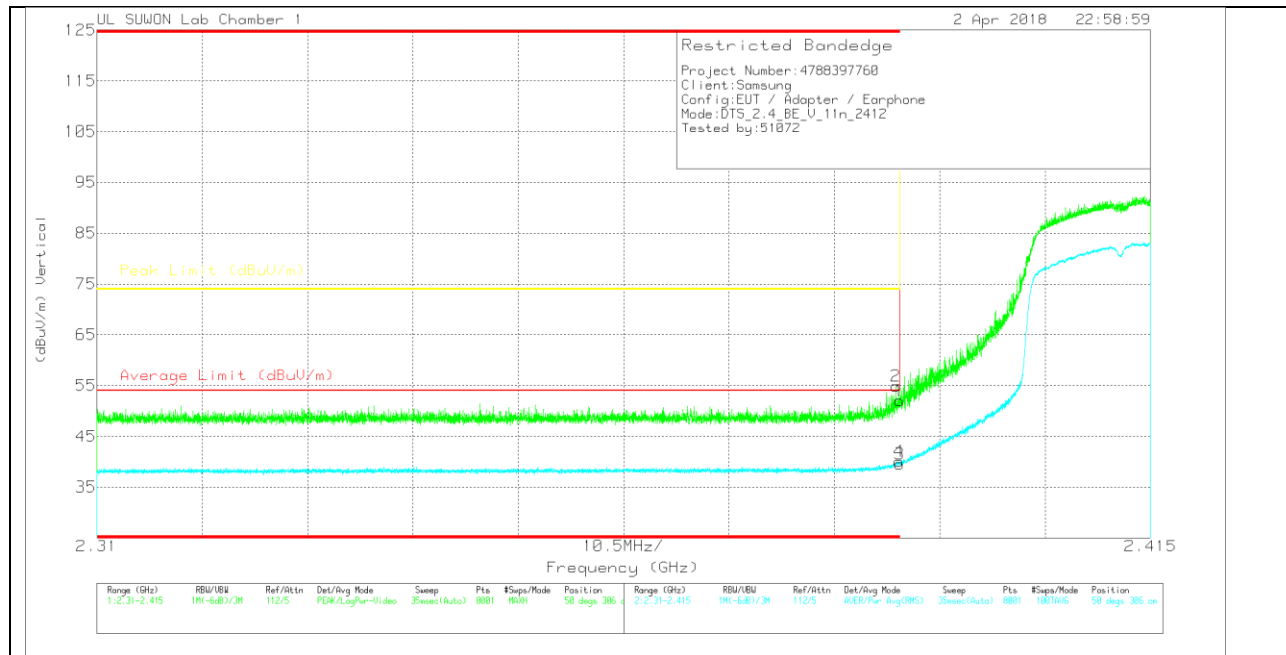
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_1117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.39          | 62.6                 | Pk  | 31.3                    | -25.7               | 0            | 68.2                       | -                      | -           | 74                  | -5.8           | 325             | 322         | H        |
| 2      | * 2.39          | 63.96                | Pk  | 31.3                    | -25.7               | 0            | 69.56                      | -                      | -           | 74                  | -4.44          | 325             | 322         | H        |
| 3      | * 2.39          | 44.06                | RMS | 31.3                    | -25.7               | .15          | 49.81                      | 54                     | -4.19       | -                   | -              | 325             | 322         | H        |
| 4      | * 2.39          | 44.15                | RMS | 31.3                    | -25.7               | .15          | 49.9                       | 54                     | -4.1        | -                   | -              | 325             | 322         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.39          | 46.5                 | Pk  | 31.3                    | -25.7               | 0            | 52.1                       | -                      | -           | 74                  | -21.9          | 50              | 306         | V        |
| 2      | * 2.39          | 49.31                | Pk  | 31.3                    | -25.7               | 0            | 54.91                      | -                      | -           | 74                  | -19.09         | 50              | 306         | V        |
| 3      | * 2.39          | 33.76                | RMS | 31.3                    | -25.7               | .15          | 39.51                      | 54                     | -14.49      | -                   | -              | 50              | 306         | V        |
| 4      | * 2.39          | 34.26                | RMS | 31.3                    | -25.7               | .15          | 40.01                      | 54                     | -13.99      | -                   | -              | 50              | 306         | V        |

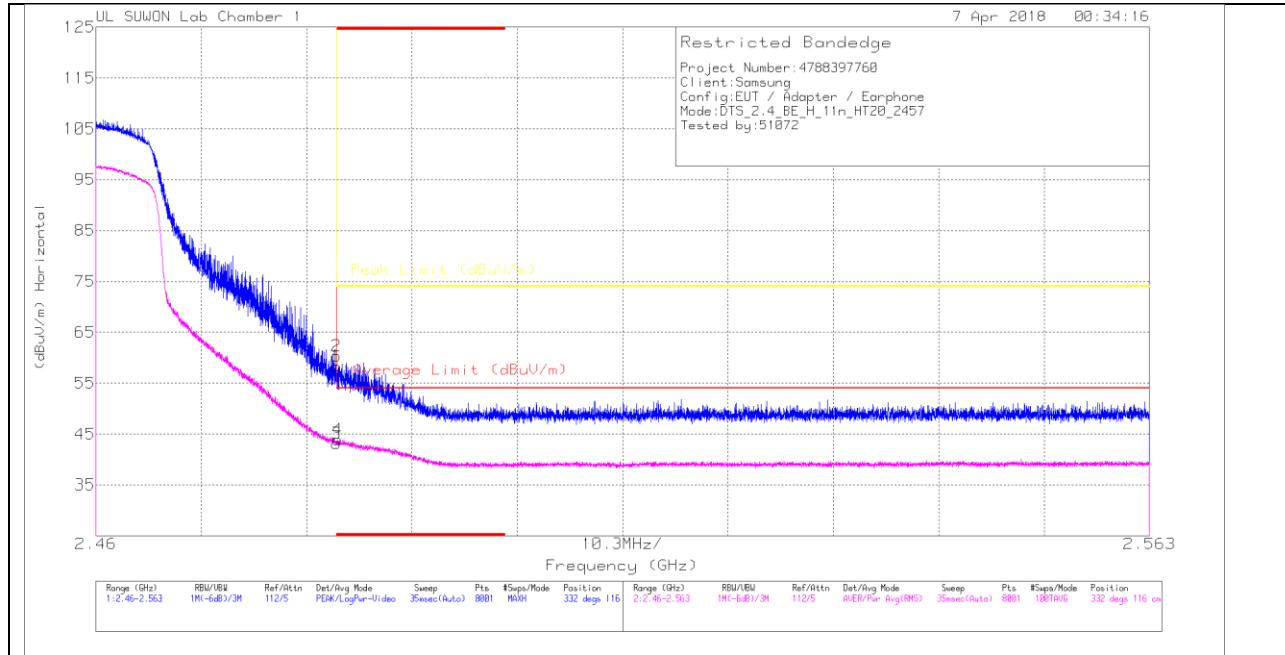
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (HIGH CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

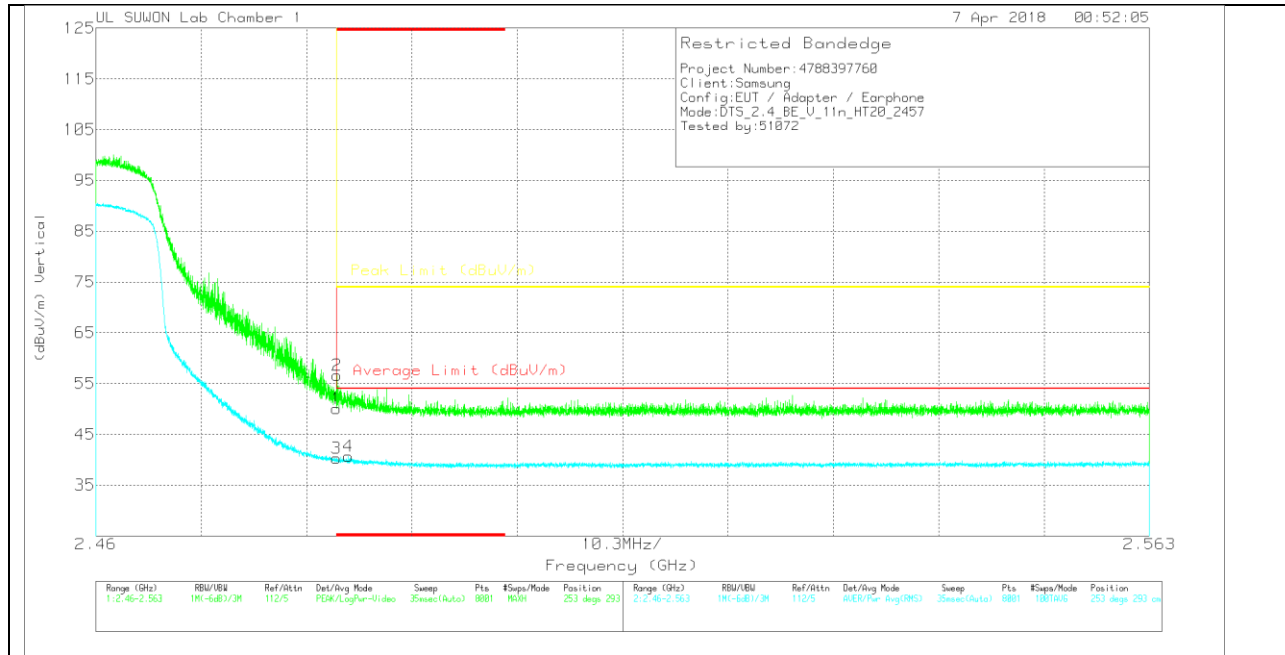
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00108 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 52.31                | Pk  |                         | -25.5               | 0            | 58.41                      | -                      | -           | 74                  | -15.59         | 332             | 116         | H        |
| 2      | * 2.484         | 54.27                | Pk  |                         | -25.5               | 0            | 60.37                      | -                      | -           | 74                  | -13.63         | 332             | 116         | H        |
| 3      | * 2.484         | 36.94                | RMS |                         | -25.5               | -15          | 43.19                      | 54                     | -10.81      | -                   | -              | 332             | 116         | H        |
| 4      | * 2.484         | 37.67                | RMS |                         | -25.5               | -15          | 43.92                      | 54                     | -10.08      | -                   | -              | 332             | 116         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (m) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|--------------|-------------|----------|
| 1      | * 2.484         | 43.99                | Pk  | 31.6                    | -25.5               | 0            | 50.09                      | -                      | -           | 74                  | -23.91         | 253          | 293         | V        |
| 2      | * 2.484         | 50.49                | Pk  | 31.6                    | -25.5               | 0            | 56.59                      | -                      | -           | 74                  | -17.41         | 253          | 293         | V        |
| 3      | * 2.484         | 34.05                | RMS | 31.6                    | -25.5               | .15          | 40.3                       | 54                     | -13.7       | -                   | -              | 253          | 293         | V        |
| 4      | * 2.485         | 34.47                | RMS | 31.6                    | -25.5               | .15          | 40.72                      | 54                     | -13.28      | -                   | -              | 253          | 293         | V        |

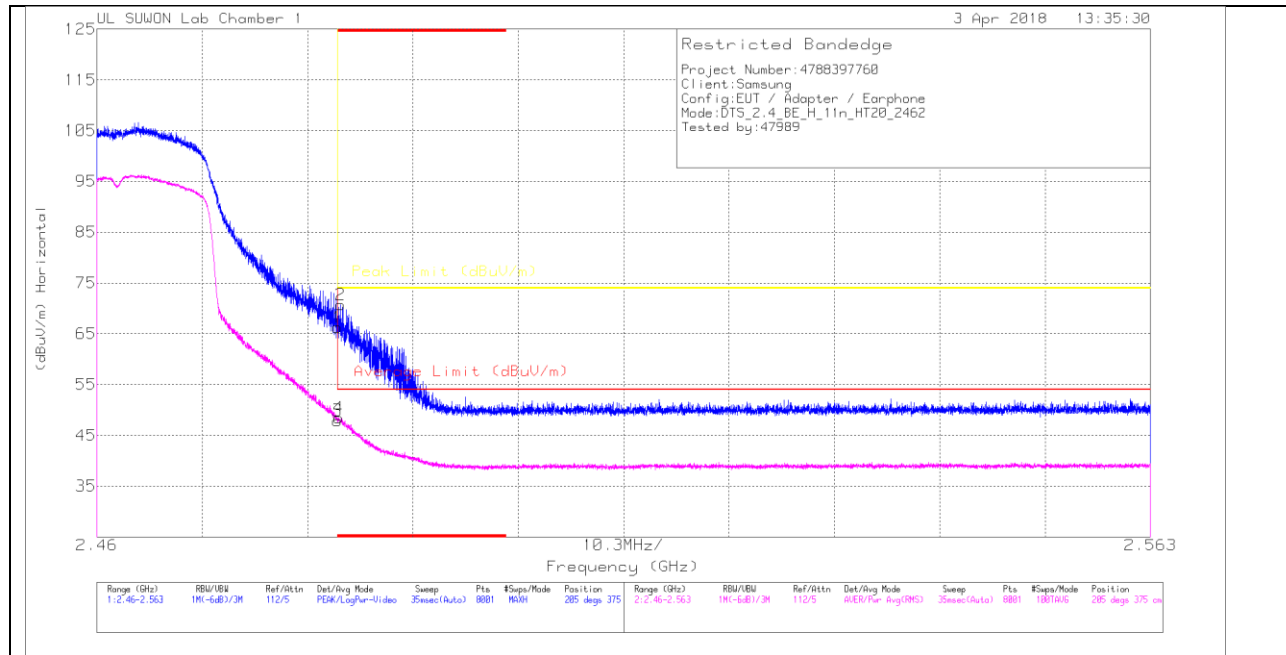
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (11 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

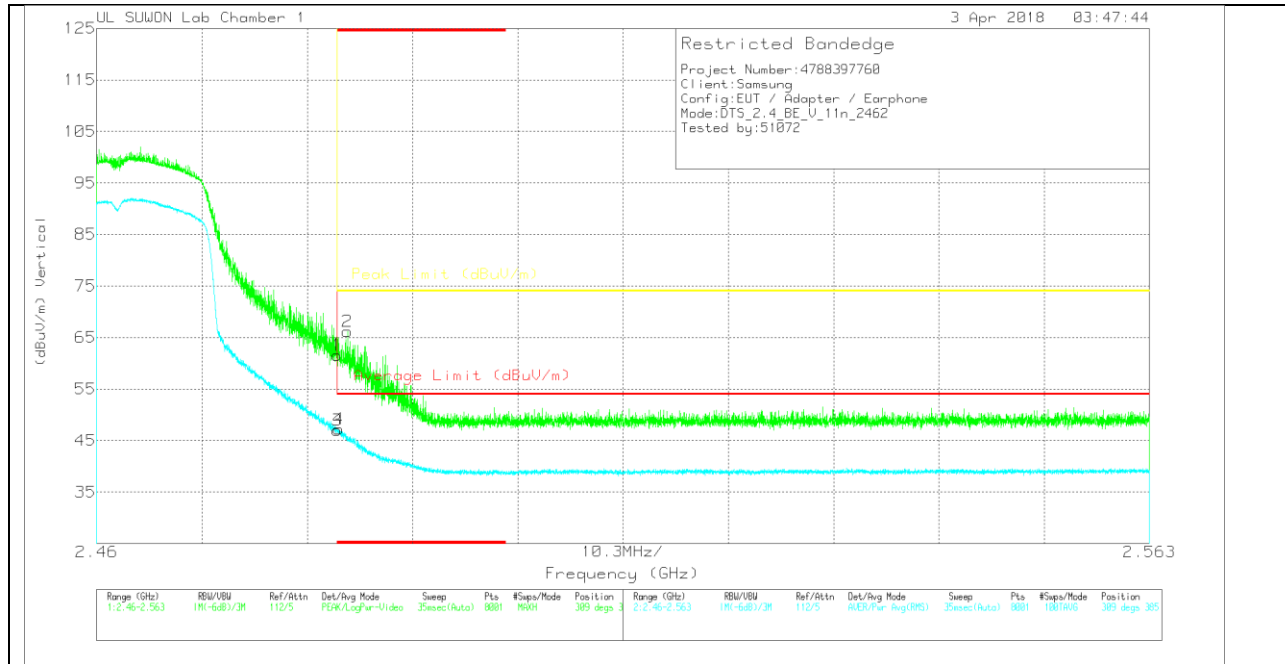
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_1117_00108 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 60.23                | Pk  | 31.6                    | -25.5               | 0            | 66.33                      | -                      | -           | 74                  | -7.67          | 205             | 375         | H        |
| 2      | * 2.484         | 64.62                | Pk  | 31.6                    | -25.5               | 0            | 70.72                      | -                      | -           | 74                  | -3.28          | 205             | 375         | H        |
| 3      | * 2.484         | 41.66                | RMS | 31.6                    | -25.5               | .15          | 47.91                      | 54                     | -6.09       | -                   | -              | 205             | 375         | H        |
| 4      | * 2.484         | 42.26                | RMS | 31.6                    | -25.5               | .15          | 48.51                      | 54                     | -5.49       | -                   | -              | 205             | 375         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 55.47                | Pk  |                         | -25.5               | 0            | 61.57                      | -                      | -           | 74                  | -12.43         | 309             | 385         | V        |
| 2      | * 2.485         | 60.08                | Pk  |                         | -25.5               | 0            | 66.18                      | -                      | -           | 74                  | -7.82          | 309             | 385         | V        |
| 3      | * 2.484         | 40.76                | RMS |                         | -25.5               | .15          | 47.01                      | 54                     | -6.99       | -                   | -              | 309             | 385         | V        |
| 4      | * 2.484         | 41                   | RMS |                         | -25.5               | .15          | 47.25                      | 54                     | -6.75       | -                   | -              | 309             | 385         | V        |

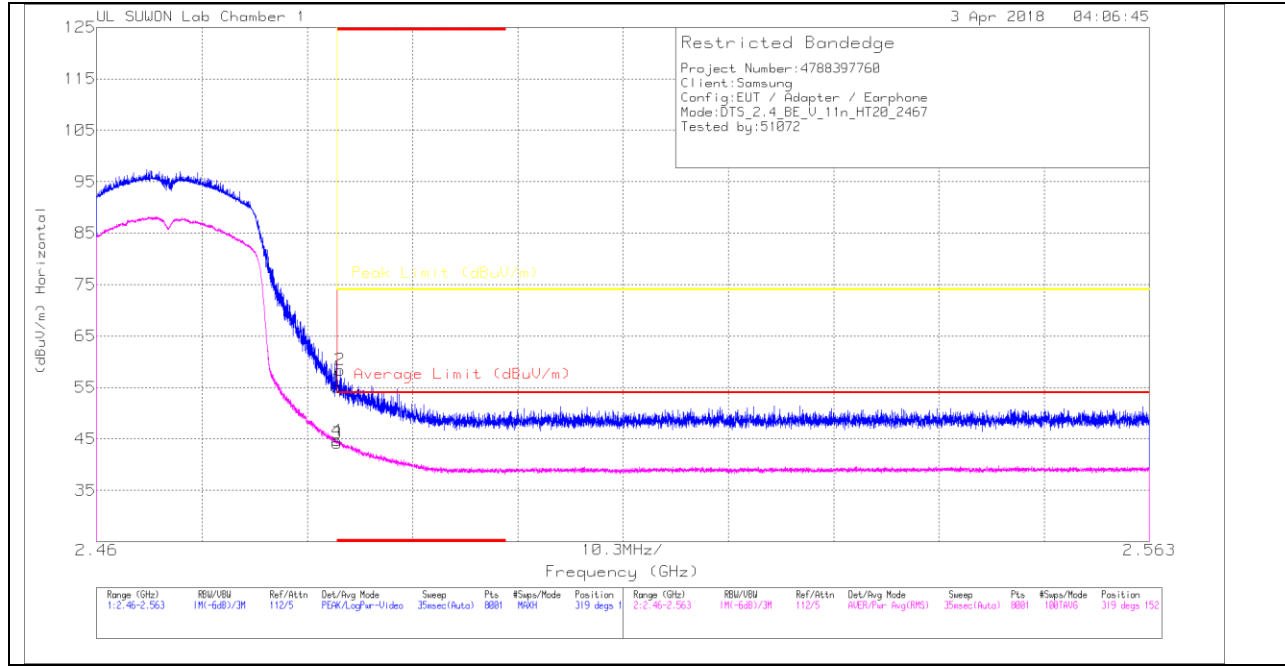
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (12 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

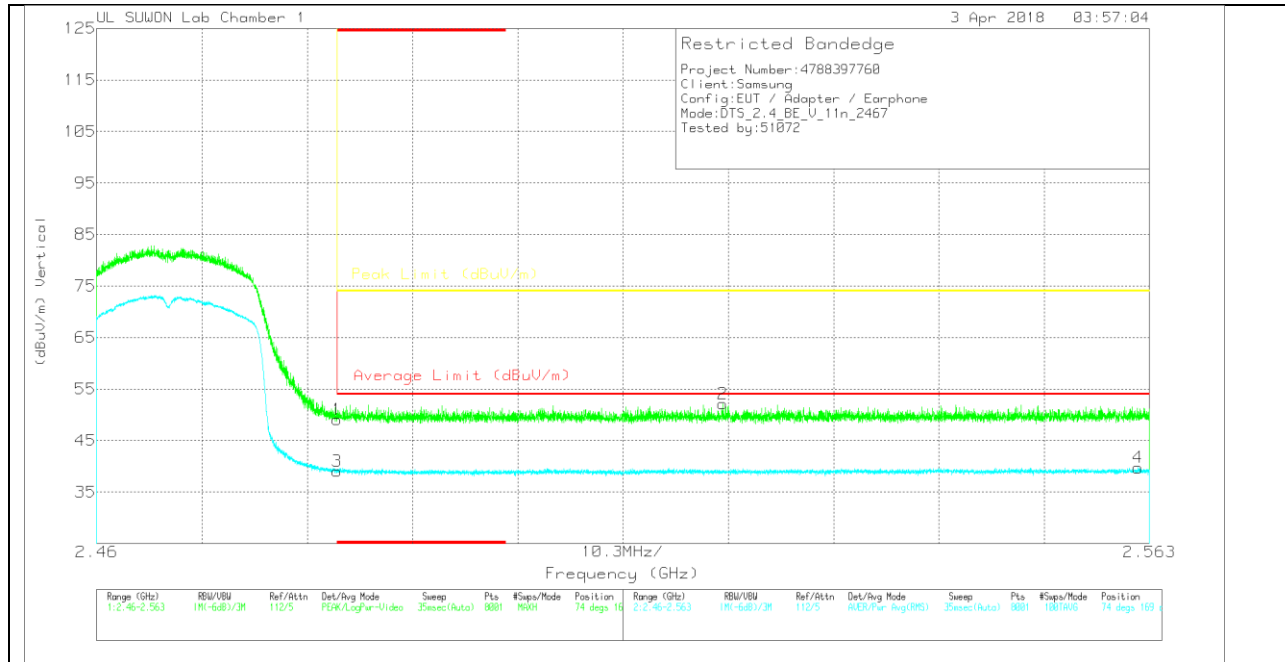
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00108 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 48.92                | Pk  | 31.6                    | -25.5               | 0            | 55.02                      | -                      | -           | 74                  | -18.98         | 319            | 152         | H        |
| 2      | * 2.484         | 52.32                | Pk  | 31.6                    | -25.5               | 0            | 58.42                      | -                      | -           | 74                  | -15.58         | 319            | 152         | H        |
| 3      | * 2.484         | 37.92                | RMS | 31.6                    | -25.5               | .15          | 44.17                      | 54                     | -9.83       | -                   | -              | 319            | 152         | H        |
| 4      | * 2.484         | 38.43                | RMS | 31.6                    | -25.5               | .15          | 44.68                      | 54                     | -9.32       | -                   | -              | 319            | 152         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 42.95                | Pk  | 31.6                    | -25.5               | 0            | 49.05                      | -                      | -           | 74                  | -24.95         | 74              | 169         | V        |
| 2      | 2.521           | 45.82                | Pk  | 31.6                    | -25.3               | 0            | 52.12                      | -                      | -           | 74                  | -21.88         | 74              | 169         | V        |
| 3      | * 2.484         | 32.82                | RMS | 31.6                    | -25.5               | .15          | 39.07                      | 54                     | -14.93      | -                   | -              | 74              | 169         | V        |
| 4      | 2.562           | 33.18                | RMS | 31.7                    | -25.3               | .15          | 39.73                      | 54                     | -14.27      | -                   | -              | 74              | 169         | V        |

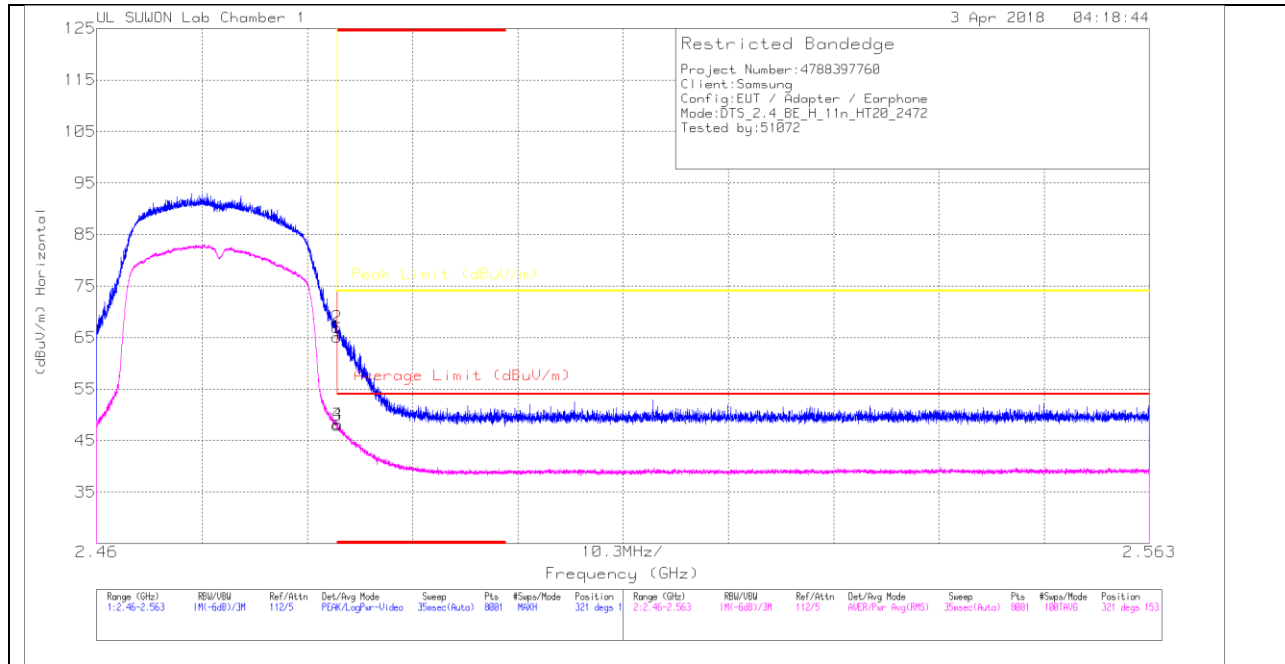
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

## AUTHORIZED BANDEDGE (13 CHANNEL)

### HORIZONTAL PEAK AND AVERAGE PLOT



### HORIZONTAL DATA

#### Trace Markers

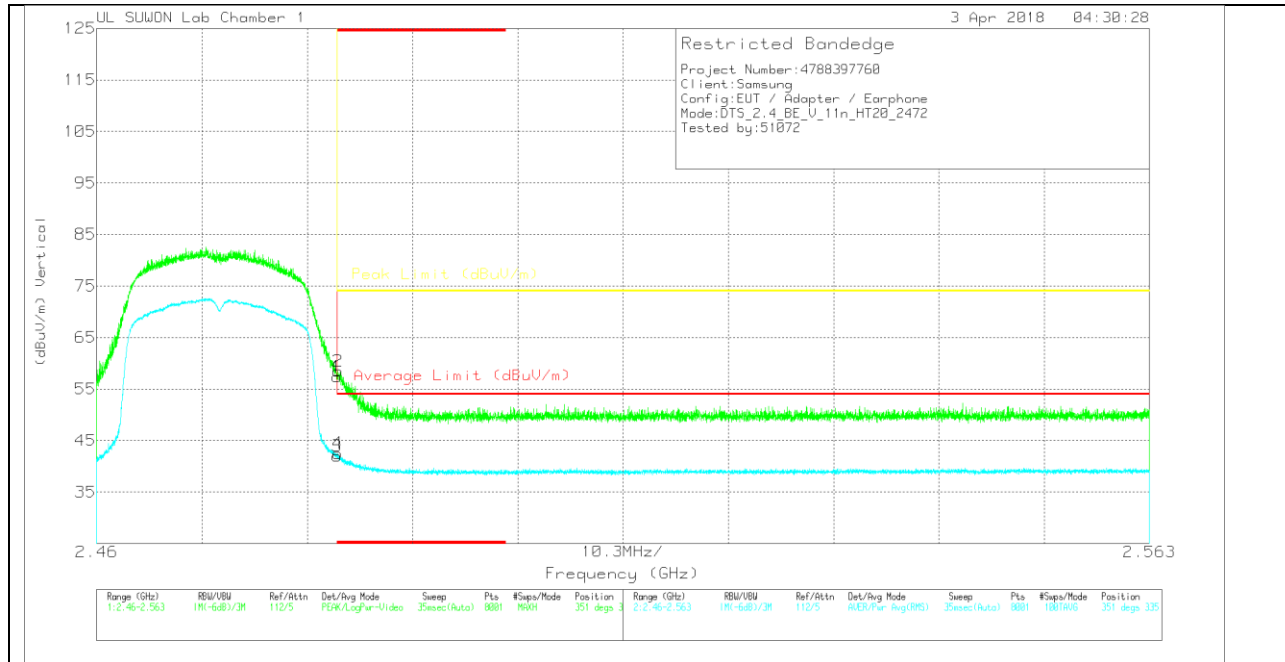
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1      | * 2.484         | 59.03                | Pk  |                         | -25.5               | 0            | 65.13                      | -                      | -           | 74                  | -8.87          | 321            | 153         | H        |
| 2      | * 2.484         | 60.84                | Pk  |                         | -25.5               | 0            | 66.94                      | -                      | -           | 74                  | -7.06          | 321            | 153         | H        |
| 3      | * 2.484         | 41.76                | RMS |                         | -25.5               | .15          | 48.01                      | 54                     | -5.99       | -                   | -              | 321            | 153         | H        |
| 4      | * 2.484         | 41.93                | RMS |                         | -25.5               | .15          | 48.18                      | 54                     | -5.82       | -                   | -              | 321            | 153         | H        |

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

Pk - Peak detector

RMS - RMS detection

## VERTICAL PEAK AND AVERAGE PLOT



## VERTICAL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_00168 717 | 10dB_ATT(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Altitude (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|---------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|-----------------|-------------|----------|
| 1      | * 2.484         | 51.27                | Pk  | 31.6                    | -25.5               | 0            | 57.37                      | -                      | -           | 74                  | -16.63         | 351             | 335         | V        |
| 2      | * 2.484         | 52.37                | Pk  | 31.6                    | -25.5               | 0            | 58.47                      | -                      | -           | 74                  | -15.53         | 351             | 335         | V        |
| 3      | * 2.484         | 35.71                | RMS | 31.6                    | -25.5               | .15          | 41.96                      | 54                     | -12.04      | -                   | -              | 351             | 335         | V        |
| 4      | * 2.484         | 36.26                | RMS | 31.6                    | -25.5               | .15          | 42.51                      | 54                     | -11.49      | -                   | -              | 351             | 335         | V        |

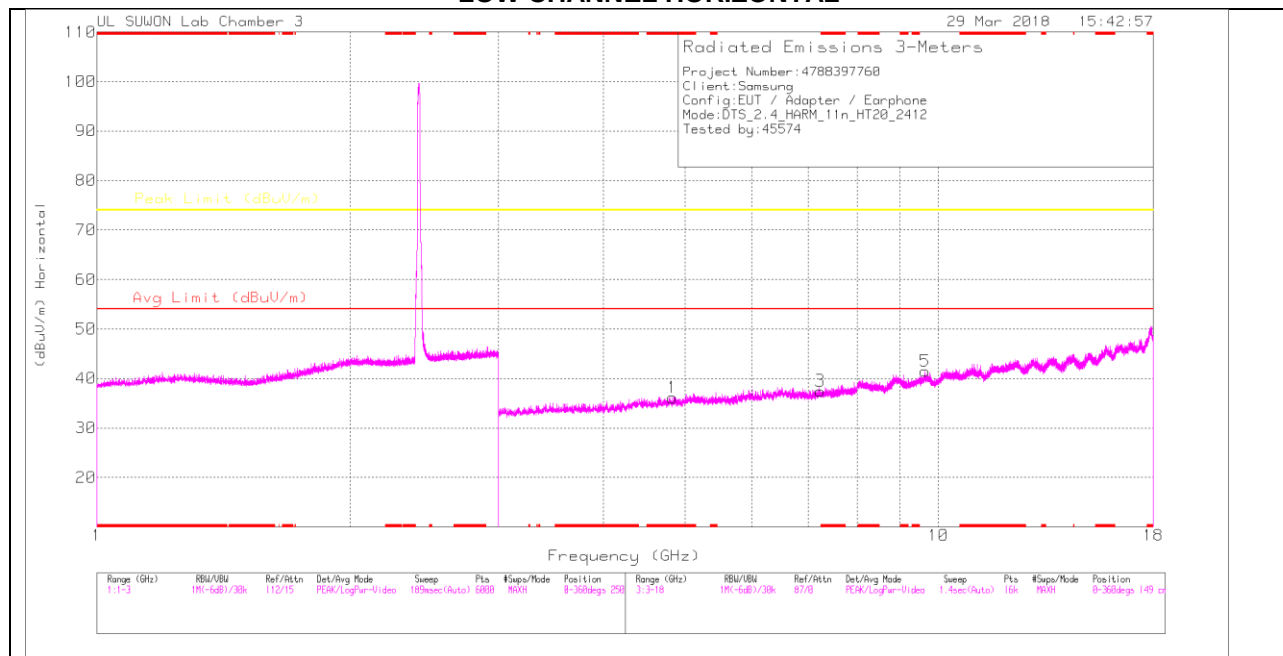
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

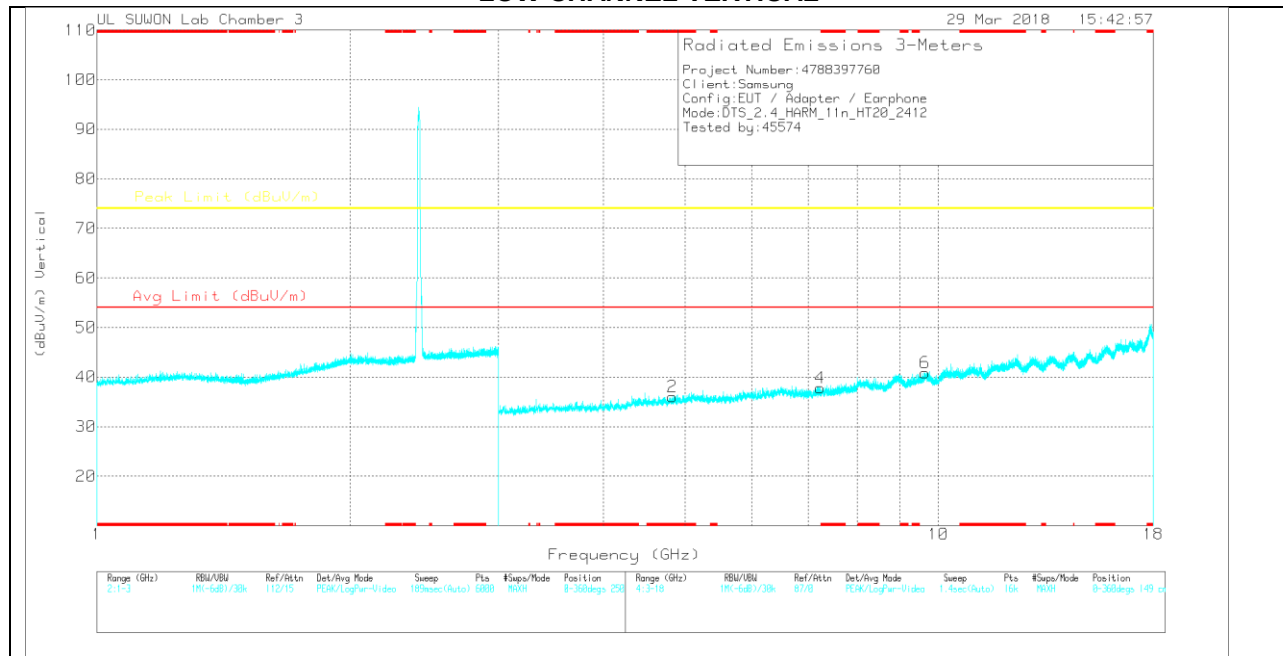
RMS - RMS detection

## HARMONICS AND SPURIOUS EMISSIONS

### LOW CHANNEL HORIZONTAL



### LOW CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## LOW CHANNEL DATA

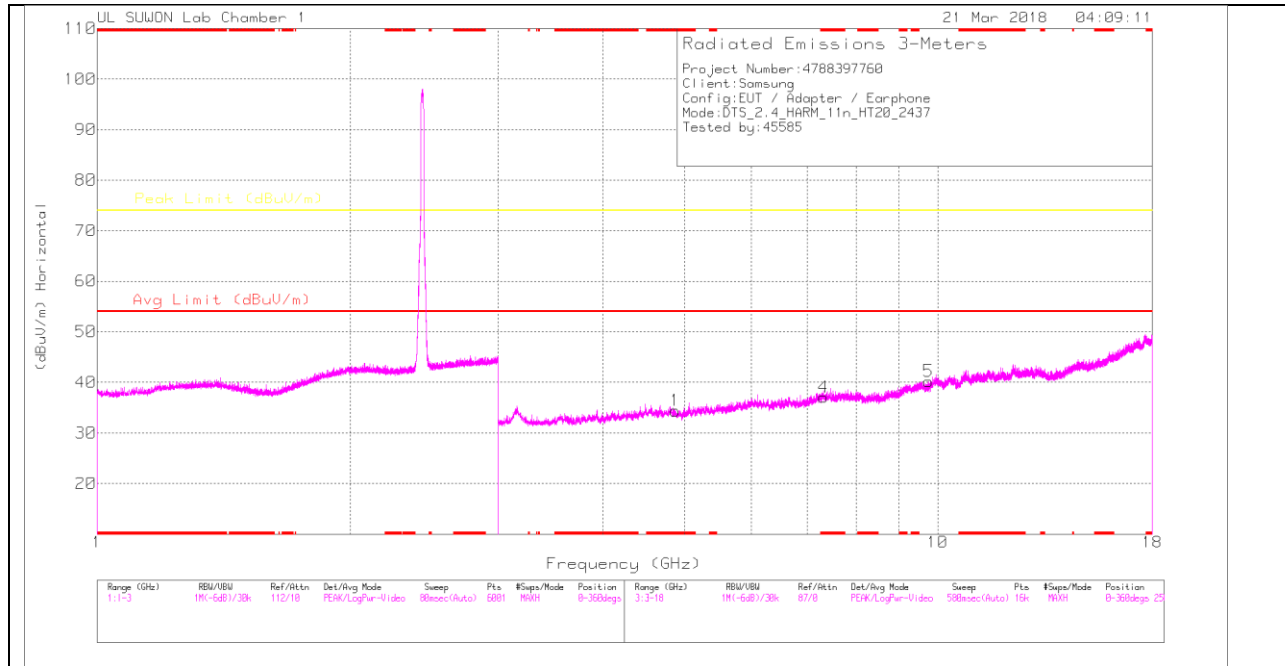
### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117[00205959] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degree) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|------------------|-------------|----------|
| 1      | * 4.832         | 30.5                 | PK  | 34             | -28.4       | 0            | 36.1                       | -                  | -           | 74                  | -37.9       | 0-360            | 250         | H        |
| 3      | 7.232           | 25.79                | PK  | 35.6           | -23.9       | 0            | 37.49                      | -                  | -           | 74                  | -36.51      | 0-360            | 149         | H        |
| 5      | 9.643           | 24.62                | PK  | 36.7           | -19.8       | 0            | 41.52                      | -                  | -           | 74                  | -32.48      | 0-360            | 250         | H        |
| 2      | * 4.826         | 30.36                | PK  | 34             | -28.3       | 0            | 36.06                      | -                  | -           | 74                  | -37.94      | 0-360            | 250         | V        |
| 4      | 7.235           | 26.14                | PK  | 35.6           | -23.9       | 0            | 37.84                      | -                  | -           | 74                  | -36.16      | 0-360            | 149         | V        |
| 6      | 9.646           | 23.98                | PK  | 36.7           | -19.8       | 0            | 40.88                      | -                  | -           | 74                  | -33.12      | 0-360            | 149         | V        |

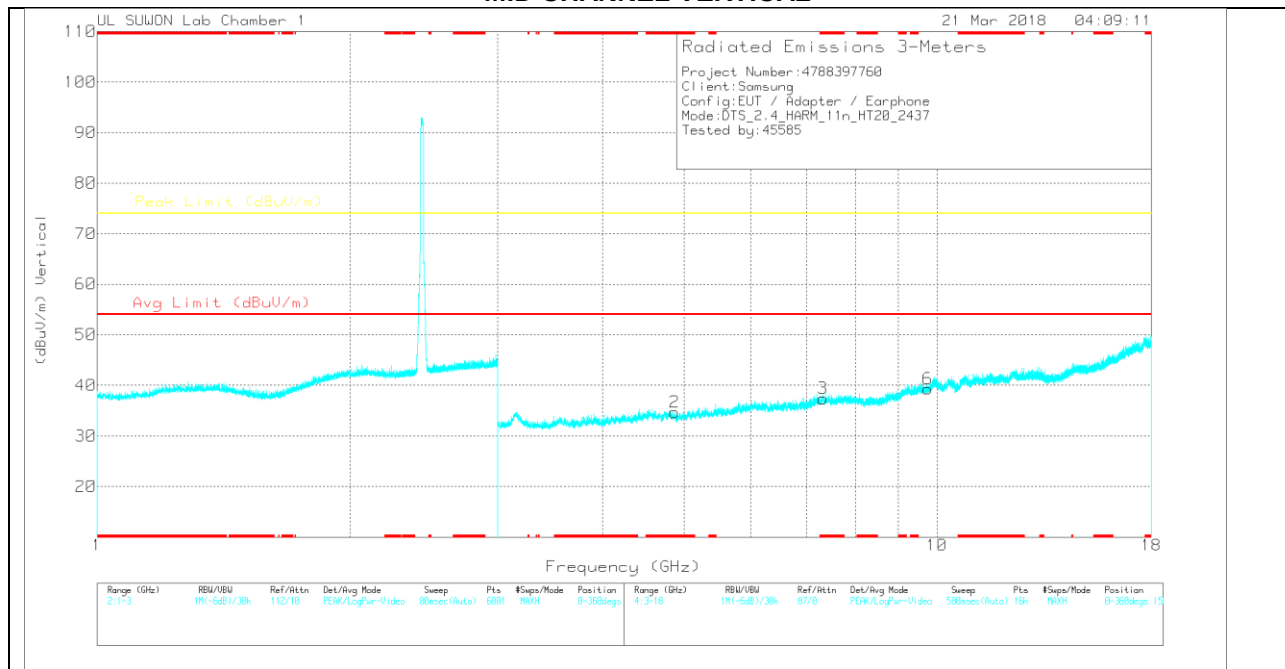
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### MID CHANNEL HORIZONTAL



### MID CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## MID CHANNEL DATA

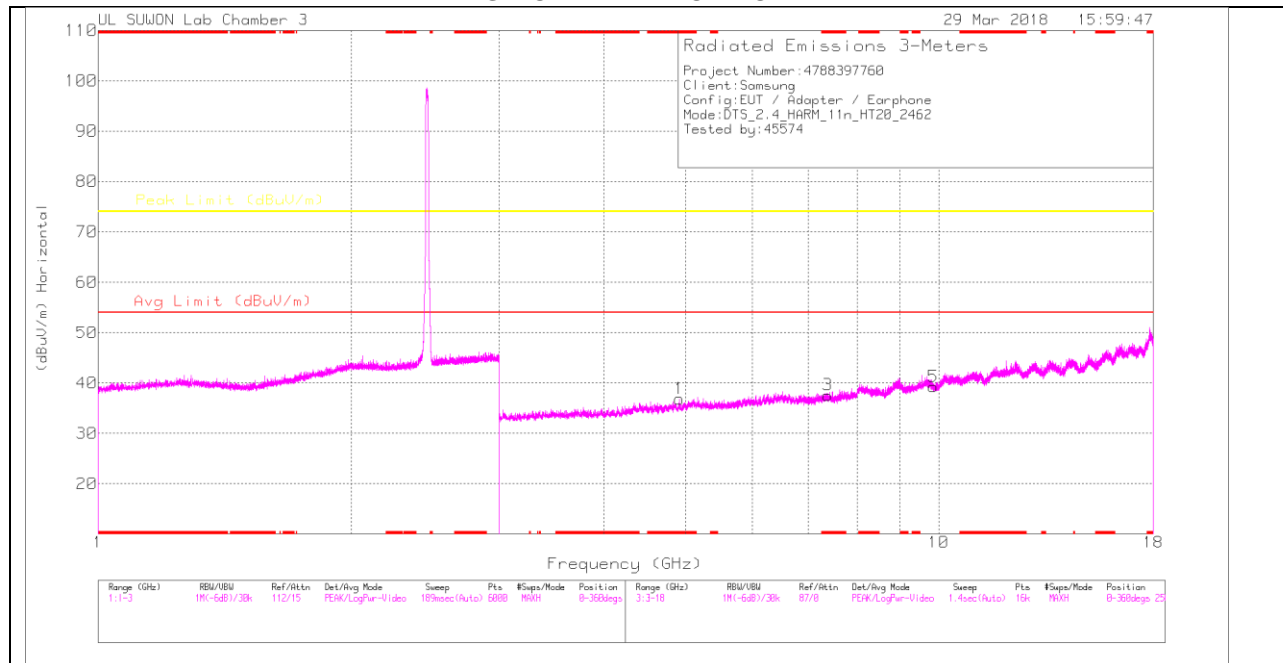
### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 20170531_3117_0016 8717 | 3GHz_HP(dB)_170809 | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-------------------------|--------------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 4.874         | 32.29                | PK  | 33.8                    | -31.7              | 0            | 34.39                      | -                  | -           | 74                  | -39.61      | 0-360          | 250         | H        |
| 4      | * 7.311         | 28.77                | PK  | 35.9                    | -27.6              | 0            | 37.07                      | -                  | -           | 74                  | -36.93      | 0-360          | 150         | H        |
| 5      | 9.748           | 27.49                | PK  | 36.9                    | -24.2              | 0            | 40.19                      | -                  | -           | 74                  | -33.81      | 0-360          | 150         | H        |
| 2      | * 4.874         | 32.54                | PK  | 33.8                    | -31.7              | 0            | 34.64                      | -                  | -           | 74                  | -39.36      | 0-360          | 250         | V        |
| 3      | * 7.311         | 29.09                | PK  | 35.9                    | -27.6              | 0            | 37.39                      | -                  | -           | 74                  | -36.61      | 0-360          | 250         | V        |
| 6      | 9.747           | 26.59                | PK  | 36.9                    | -24.2              | 0            | 39.29                      | -                  | -           | 74                  | -34.71      | 0-360          | 150         | V        |

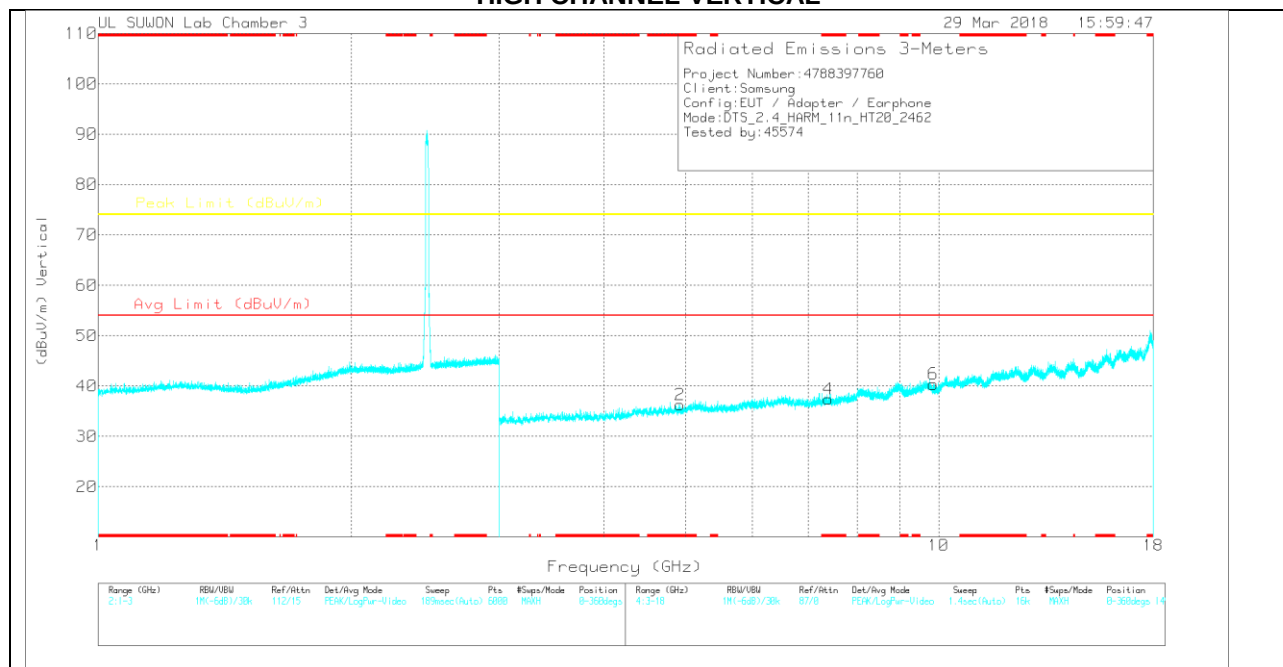
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band  
PK – Peak Detector

Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

### HIGH CHANNEL HORIZONTAL



### HIGH CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

## HIGH CHANNEL DATA

### Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117(00205959) | 3GHz_HP(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1      | * 4.917         | 31.75                | PK  | 34             | -28.9       | 0            | 36.85                      | -                  | -           | 74                  | -37.15      | 0-360          | 150         | H        |
| 3      | * 7.383         | 24.99                | PK  | 35.6           | -23         | 0            | 37.59                      | -                  | -           | 74                  | -36.41      | 0-360          | 250         | H        |
| 5      | 9.851           | 21.98                | PK  | 37             | -19.7       | 0            | 39.28                      | -                  | -           | 74                  | -34.72      | 0-360          | 150         | H        |
| 2      | * 4.922         | 31.07                | PK  | 34             | -28.8       | 0            | 36.27                      | -                  | -           | 74                  | -37.73      | 0-360          | 149         | V        |
| 4      | * 7.389         | 24.78                | PK  | 35.6           | -23         | 0            | 37.38                      | -                  | -           | 74                  | -36.62      | 0-360          | 250         | V        |
| 6      | 9.85            | 23.06                | PK  | 37             | -19.7       | 0            | 40.36                      | -                  | -           | 74                  | -33.64      | 0-360          | 149         | V        |

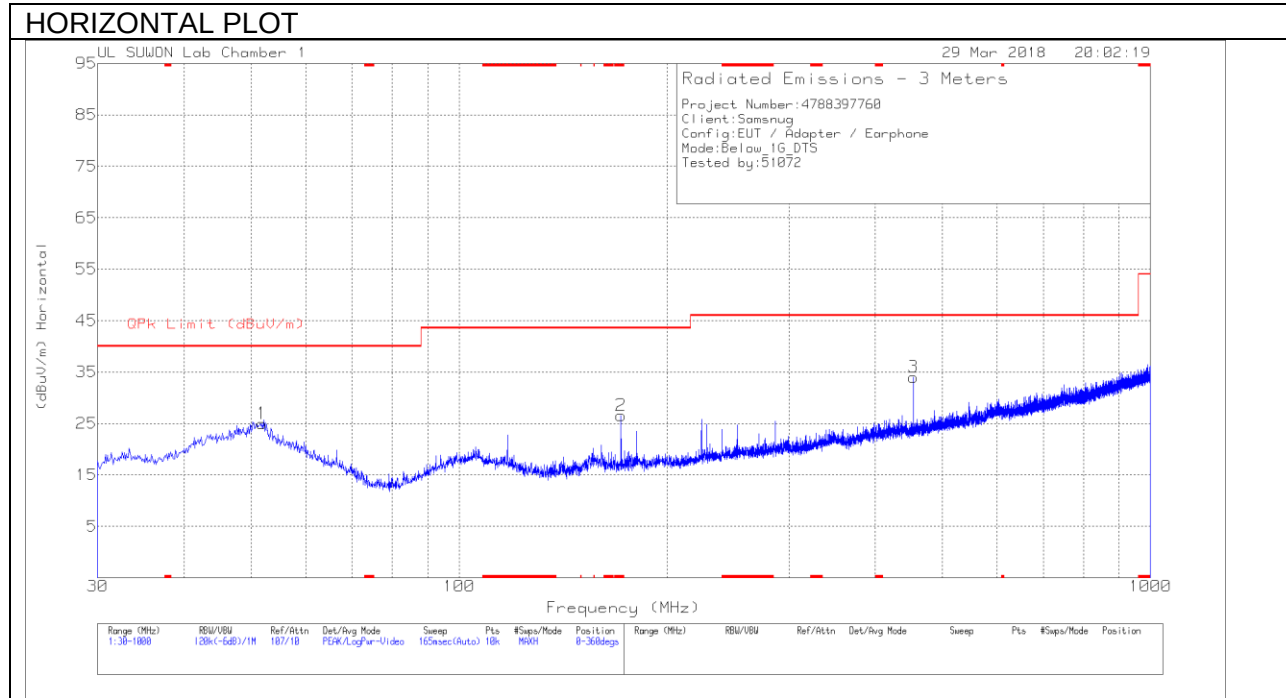
\* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK – Peak detector

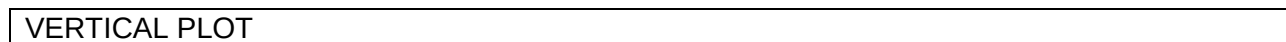
Note: Only peak measurement was performed. Because peak measurement result of unwanted emission is less than average limit (54dBuV/m).

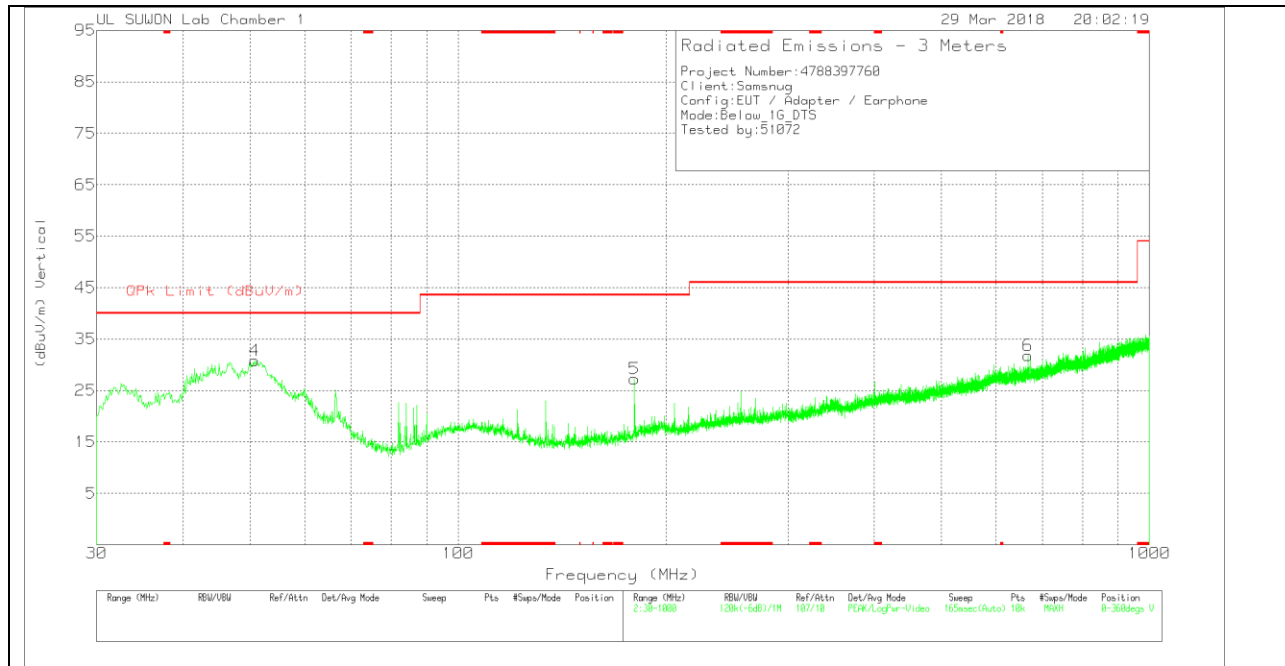
### 11.3. WORST-CASE BELOW 1 GHz

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



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





## Below 1G Data

### Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 750_20170831 | 30-1000MHz[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1      | 51.825          | 34.48                | Pk  | 19.7         | -29.2          | 0            | 24.98                      | 40                 | -15.02      | 0-360          | 400         | H        |
| 2      | * 171.426       | 39.36                | Pk  | 14.8         | -27.6          | 0            | 26.56                      | 43.52              | -16.96      | 0-360          | 100         | H        |
| 3      | 453.696         | 38.03                | Pk  | 22           | -26            | 0            | 34.03                      | 46.02              | -11.99      | 0-360          | 200         | H        |
| 4      | 50.758          | 40.2                 | Pk  | 19.8         | -29.2          | 0            | 30.8                       | 40                 | -9.2        | 0-360          | 100         | V        |
| 5      | 179.865         | 39.54                | Pk  | 15.3         | -27.6          | 0            | 27.24                      | 43.52              | -16.28      | 0-360          | 200         | V        |
| 6      | 667.29          | 31.58                | Pk  | 25.3         | -25.1          | 0            | 31.78                      | 46.02              | -14.24      | 0-360          | 400         | V        |

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

Pk - Peak detector

## 12. AC POWER LINE CONDUCTED EMISSIONS

### LIMITS

FCC §15.207 (a)  
IC RSS-GEN Clause 8.8

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

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

### TEST PROCEDURE

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

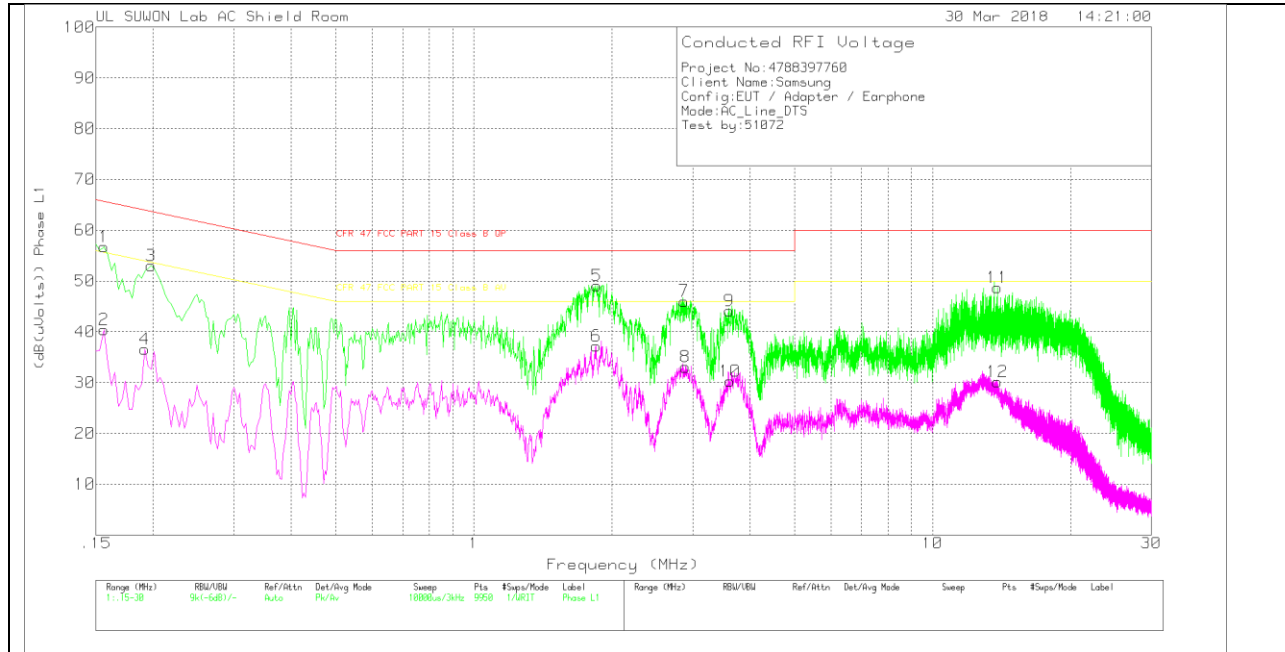
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

## RESULTS

### WORST EMISSIONS

#### LINE 1 PLOT



## LINE 1 RESULTS

### Trace Markers

#### Range 1: Phase L1 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 101837_L1_wi th extension | CABLELOSS (dB) | Corrected Reading (dB(uVolts)) | CFR 47 FCC PART 15 Class B QP | Margin (dB) | CFR 47 FCC PART 15 Class B AV | Margin (dB) |
|--------|-----------------|----------------------|-----|---------------------------|----------------|--------------------------------|-------------------------------|-------------|-------------------------------|-------------|
| 1      | .156            | 46.68                | Pk  | 10                        | .1             | 56.78                          | 65.67                         | -8.89       | -                             | -           |
| 2      | .156            | 30.32                | Av  | 10                        | .1             | 40.42                          | -                             | -           | 55.67                         | -15.25      |
| 3      | .198            | 43.06                | Pk  | 9.8                       | .2             | 53.06                          | 63.69                         | -10.63      | -                             | -           |
| 4      | .192            | 26.56                | Av  | 9.8                       | .2             | 36.56                          | -                             | -           | 53.95                         | -17.39      |
| 5      | 1.854           | 38.86                | Pk  | 9.9                       | .3             | 49.06                          | 56                            | -6.94       | -                             | -           |
| 6      | 1.848           | 27                   | Av  | 9.9                       | .3             | 37.2                           | -                             | -           | 46                            | -8.8        |
| 7      | 2.871           | 35.94                | Pk  | 9.8                       | .3             | 46.04                          | 56                            | -9.96       | -                             | -           |
| 8      | 2.892           | 22.96                | Av  | 9.8                       | .3             | 33.06                          | -                             | -           | 46                            | -12.94      |
| 9      | 3.606           | 33.99                | Pk  | 9.8                       | .3             | 44.09                          | 56                            | -11.91      | -                             | -           |
| 10     | 3.615           | 20.17                | Av  | 9.8                       | .3             | 30.27                          | -                             | -           | 46                            | -15.73      |
| 11     | 13.863          | 38.55                | Pk  | 9.8                       | .4             | 48.75                          | 60                            | -11.25      | -                             | -           |
| 12     | 13.851          | 20                   | Av  | 9.8                       | .4             | 30.2                           | -                             | -           | 50                            | -19.8       |

Pk - Peak detector

Av - Average detection

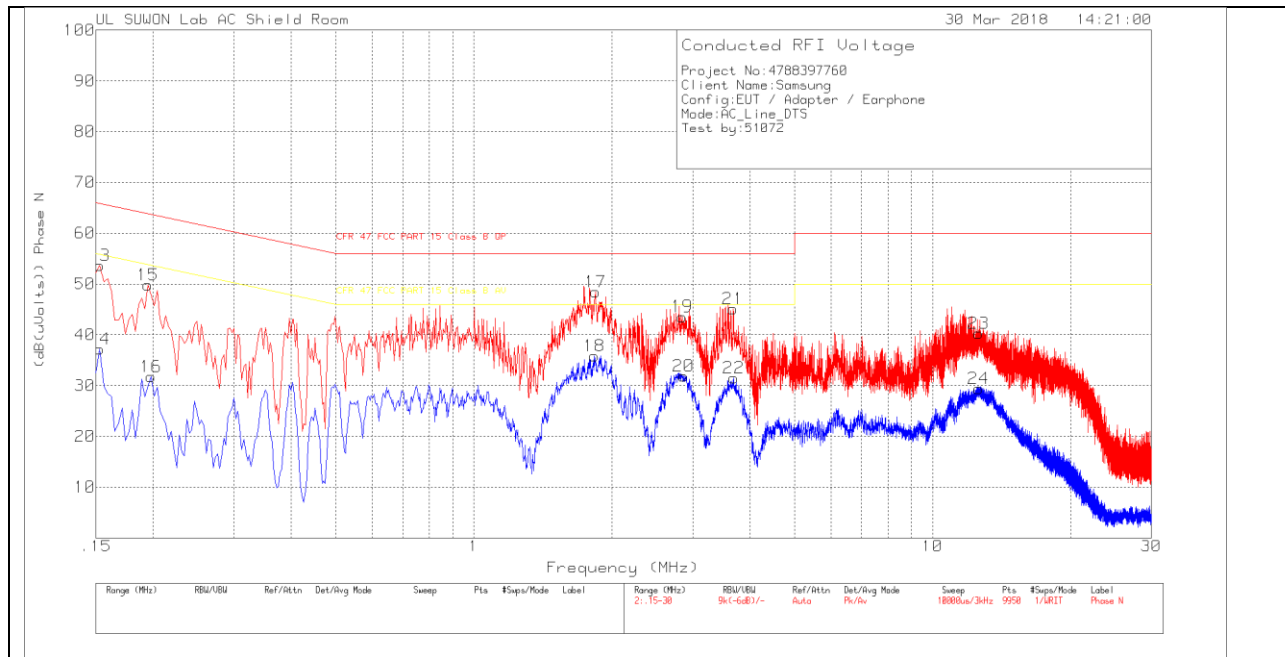
### Quasi-Peak Emissions

#### Range 1: Phase L1 .15 - 30MHz

| Frequency (MHz) | Meter Reading (dBuV) | Det | 101837_L1_wi th extension | CABLELOSS(d B) | Corrected Reading (dB(uVolts)) | CFR 47 FCC PART 15 Class B QP | Margin (dB) | CFR 47 FCC PART 15 Class B AV | Margin (dB) |
|-----------------|----------------------|-----|---------------------------|----------------|--------------------------------|-------------------------------|-------------|-------------------------------|-------------|
| .15525          | 32.98                | Qp  | 10                        | .1             | 43.08                          | 65.71                         | -22.63      | -                             | -           |
| .19725          | 29.1                 | Qp  | 9.8                       | .2             | 39.1                           | 63.73                         | -24.63      | -                             | -           |
| .19275          | 28.78                | Qp  | 9.8                       | .2             | 38.78                          | 63.92                         | -25.14      | -                             | -           |
| 1.85475         | 32.29                | Qp  | 9.9                       | .3             | 42.49                          | 56                            | -13.51      | -                             | -           |
| 1.84725         | 32.03                | Qp  | 9.9                       | .3             | 42.23                          | 56                            | -13.77      | -                             | -           |
| 2.87115         | 30                   | Qp  | 9.8                       | .3             | 40.1                           | 56                            | -15.9       | -                             | -           |
| 2.89125         | 30.51                | Qp  | 9.8                       | .3             | 40.61                          | 56                            | -15.39      | -                             | -           |
| 3.60675         | 30.19                | Qp  | 9.8                       | .3             | 40.29                          | 56                            | -15.71      | -                             | -           |
| 3.61425         | 29.11                | Qp  | 9.8                       | .3             | 39.21                          | 56                            | -16.79      | -                             | -           |
| 13.8623         | 29.25                | Qp  | 9.8                       | .4             | 39.45                          | 60                            | -20.55      | -                             | -           |
| 13.8503         | 28.97                | Qp  | 9.8                       | .4             | 39.17                          | 60                            | -20.83      | -                             | -           |

Qp - Quasi-Peak detector

## LINE 2 PLOT



## LINE 2 RESULTS

### Trace Markers

#### Range 2: Phase N .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 101837_N_wit h extension | CABLELOSS(dB) | Corrected Reading (dB(uVolts)) | CFR 47 FCC PART 15 Class B QP | Margin (dB) | CFR 47 FCC PART 15 Class B AV | Margin (dB) |
|--------|-----------------|----------------------|-----|--------------------------|---------------|--------------------------------|-------------------------------|-------------|-------------------------------|-------------|
| 13     | .153            | 43.52                | Pk  | 10                       | .1            | 53.62                          | 65.84                         | -12.22      | -                             | -           |
| 14     | .153            | 27.13                | Av  | 10                       | .1            | 37.23                          | -                             | -           | 55.84                         | -18.61      |
| 15     | .195            | 39.67                | Pk  | 9.9                      | .2            | 49.77                          | 63.82                         | -14.05      | -                             | -           |
| 16     | .198            | 21.67                | Av  | 9.9                      | .2            | 31.77                          | -                             | -           | 53.69                         | -21.92      |
| 17     | 1.842           | 38.23                | Pk  | 9.9                      | .3            | 48.43                          | 56                            | -7.57       | -                             | -           |
| 18     | 1.83            | 25.67                | Av  | 9.9                      | .3            | 35.87                          | -                             | -           | 46                            | -10.13      |
| 19     | 2.85            | 33.37                | Pk  | 9.9                      | .3            | 43.57                          | 56                            | -12.43      | -                             | -           |
| 20     | 2.862           | 21.72                | Av  | 9.9                      | .3            | 31.92                          | -                             | -           | 46                            | -14.08      |
| 21     | 3.678           | 35.07                | Pk  | 9.8                      | .3            | 45.17                          | 56                            | -10.83      | -                             | -           |
| 22     | 3.684           | 21.38                | Av  | 9.8                      | .3            | 31.48                          | -                             | -           | 46                            | -14.52      |
| 23     | 12.594          | 30.16                | Pk  | 9.8                      | .3            | 40.26                          | 60                            | -19.74      | -                             | -           |
| 24     | 12.594          | 19.34                | Av  | 9.8                      | .3            | 29.44                          | -                             | -           | 50                            | -20.56      |

Pk - Peak detector

Av - Average detection

### Quasi-Peak Emissions

#### Range 2: Phase N .15 - 30MHz

| Frequency (MHz) | Meter Reading (dBuV) | Det | 101837_N_wit h extension | CABLELOSS(dB) | Corrected Reading (dB(uVolts)) | CFR 47 FCC PART 15 Class B QP | Margin (dB) | CFR 47 FCC PART 15 Class B AV | Margin (dB) |
|-----------------|----------------------|-----|--------------------------|---------------|--------------------------------|-------------------------------|-------------|-------------------------------|-------------|
| .15225          | 32                   | Qp  | 10                       | .1            | 42.1                           | 65.88                         | -23.78      | -                             | -           |
| .19515          | 27.88                | Qp  | 9.9                      | .2            | 37.98                          | 63.81                         | -25.83      | -                             | -           |
| .19815          | 28.02                | Qp  | 9.9                      | .2            | 38.12                          | 63.69                         | -25.57      | -                             | -           |
| 1.84275         | 29.74                | Qp  | 9.9                      | .3            | 39.94                          | 56                            | -16.06      | -                             | -           |
| 1.82925         | 32.18                | Qp  | 9.9                      | .3            | 42.38                          | 56                            | -13.62      | -                             | -           |
| 2.85015         | 25.65                | Qp  | 9.9                      | .3            | 35.85                          | 56                            | -20.15      | -                             | -           |
| 2.86215         | 26.97                | Qp  | 9.9                      | .3            | 37.17                          | 56                            | -18.83      | -                             | -           |
| 3.67815         | 23.91                | Qp  | 9.8                      | .3            | 34.01                          | 56                            | -21.99      | -                             | -           |
| 3.68475         | 24.19                | Qp  | 9.8                      | .3            | 34.29                          | 56                            | -21.71      | -                             | -           |
| 12.5942         | 24.02                | Qp  | 9.8                      | .3            | 34.12                          | 60                            | -25.88      | -                             | -           |

Qp - Quasi-Peak detector