

10. RADIATED TEST RESULTS

10.1. LIMITS AND PROCEDURE

LIMITS

FCC §15.205 and §15.209

| Limits for radiated disturbance of an intentional radiator | | |
|--|-----------------------------------|--------------------------|
| Frequency range (MHz) | Limits ($\mu\text{V}/\text{m}$) | Measurement Distance (m) |
| 0.009 – 0.490 | 2400 / F (kHz) | 300 |
| 0.490 – 1.705 | 24000 / F (kHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |
| 30 – 88 | 100** | 3 |
| 88 - 216 | 150** | 3 |
| 216 – 960 | 200** | 3 |
| Above 960 | 500 | 3 |

** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g. §§ 15.231 and 15.241.

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for below 1GHz and 150 cm for above 1GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

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

For measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and add duty cycle factor for average measurements.
(Restriced bandedge, Final detection of spurious harmonic emissions)

Duty cycle factor= $10\log(1/x)$ For this sample B mode = 0.51dB; G mode = 0.61dB; N mode = 0.63dB.

Pre-scans to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.

The spectrum from 1 GHz to 26 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band.

(From 30MHz to 1GHz, test was performed with the EUT set to transmit at the channel with highest output power)

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

Note : Emission was pre-scanned from 9 kHz to 30 MHz; No emissions were detected which was at least 20dB below the specification limit (consider distance correction factor).

Per FCC part 15.31(o), test results were not reported.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.

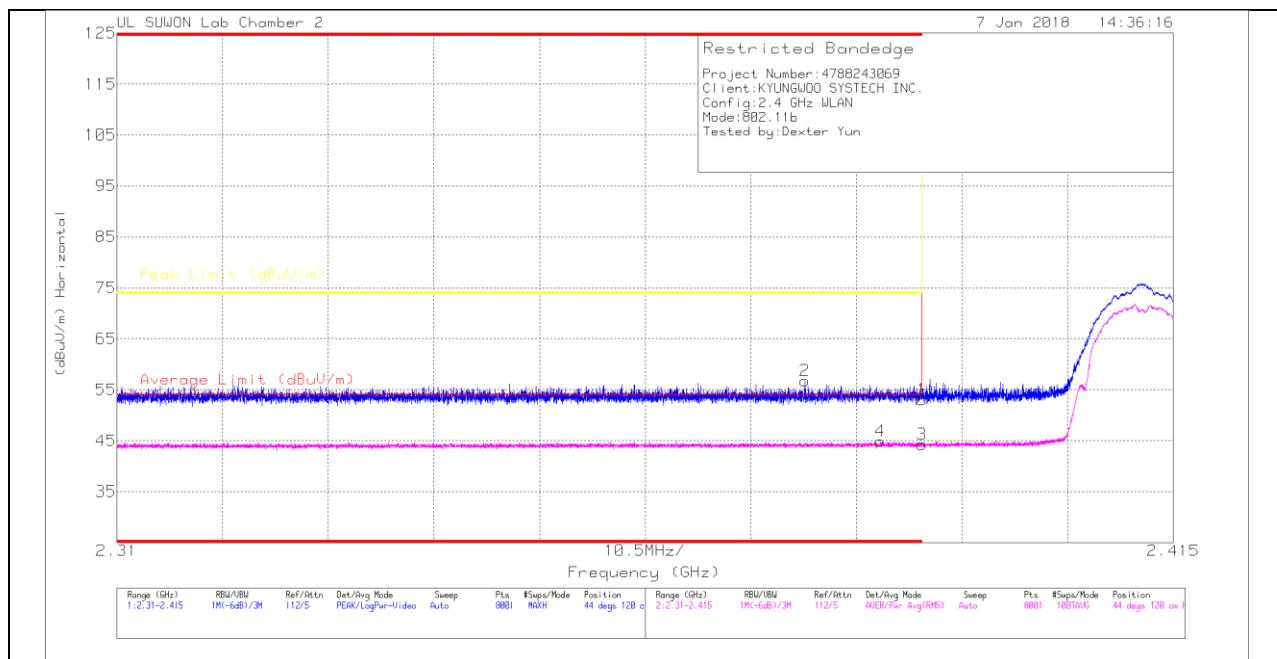
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

10.2. TRANSMITTER ABOVE 1 GHz

10.2.1. TX ABOVE 1 GHz 802.11b MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (LOW CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

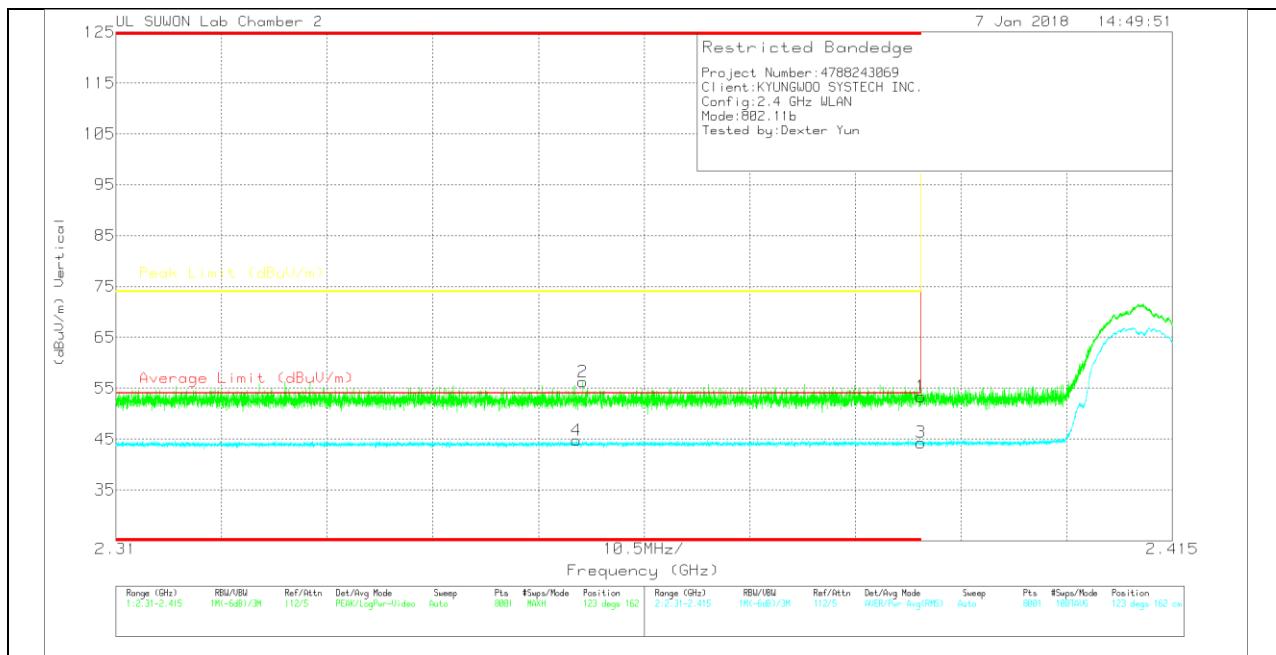
| Marker | Frequency (GHz) | Meter Reading (dBmV) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBmV/m) | Average Limit (dBmV/m) | Margin (dB) | Peak Limit (dBmV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 39.93 | Pk | 31.3 | -18.2 | 0 | 53.03 | - | - | 74 | -20.97 | 44 | 120 | H |
| 2 | * 2.378 | 43.78 | Pk | 31.3 | -18.3 | 0 | 56.78 | - | - | 74 | -17.22 | 44 | 120 | H |
| 3 | * 2.39 | 30.62 | RMS | 31.3 | -18.2 | .51 | 44.23 | 54 | -9.77 | - | - | 44 | 120 | H |
| 4 | * 2.386 | 31.26 | RMS | 31.3 | -18.2 | .51 | 44.87 | 54 | -9.13 | - | - | 44 | 120 | 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 | 170531_3117[00168724] | 10dB[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 40.26 | Pk | 31.3 | -18.2 | 0 | 53.36 | - | - | 74 | -20.64 | 123 | 162 | V |
| 2 | * 2.356 | 43.42 | Pk | 31.2 | -18.3 | 0 | 56.32 | - | - | 74 | -17.68 | 123 | 162 | V |
| 3 | * 2.39 | 30.7 | RMS | 31.3 | -18.2 | .51 | 44.31 | 54 | -9.69 | - | - | 123 | 162 | V |
| 4 | * 2.356 | 31.37 | RMS | 31.2 | -18.3 | .51 | 44.78 | 54 | -9.22 | - | - | 123 | 162 | V |

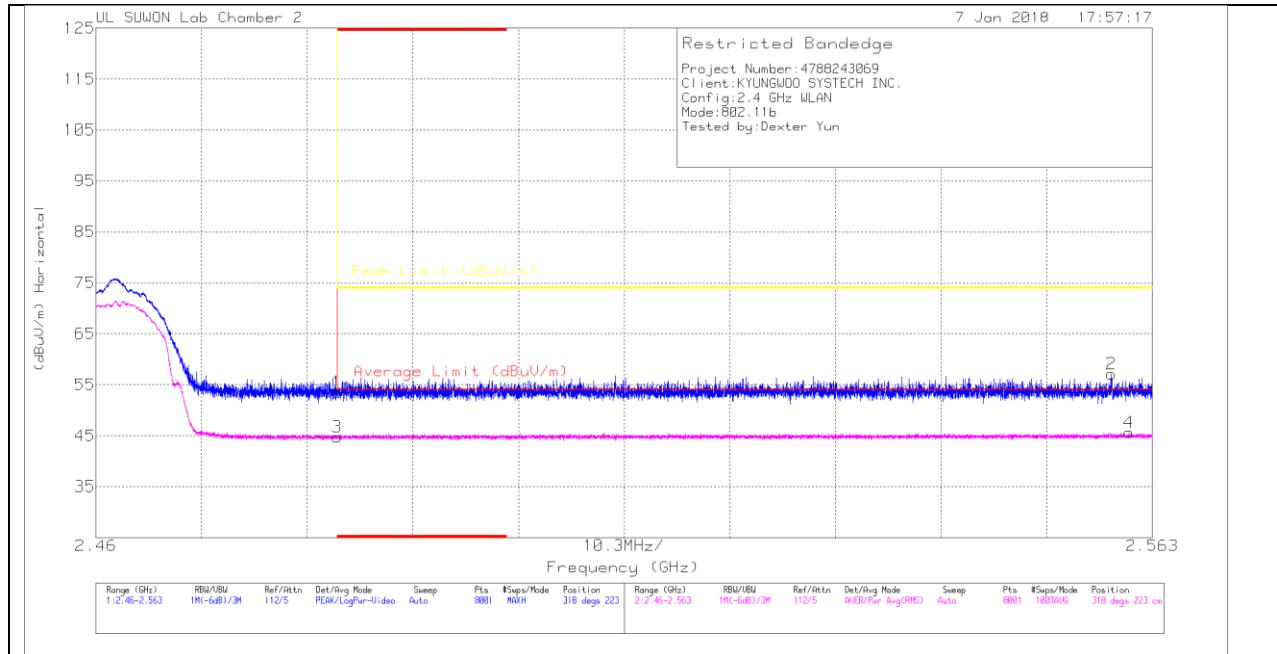
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2462 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

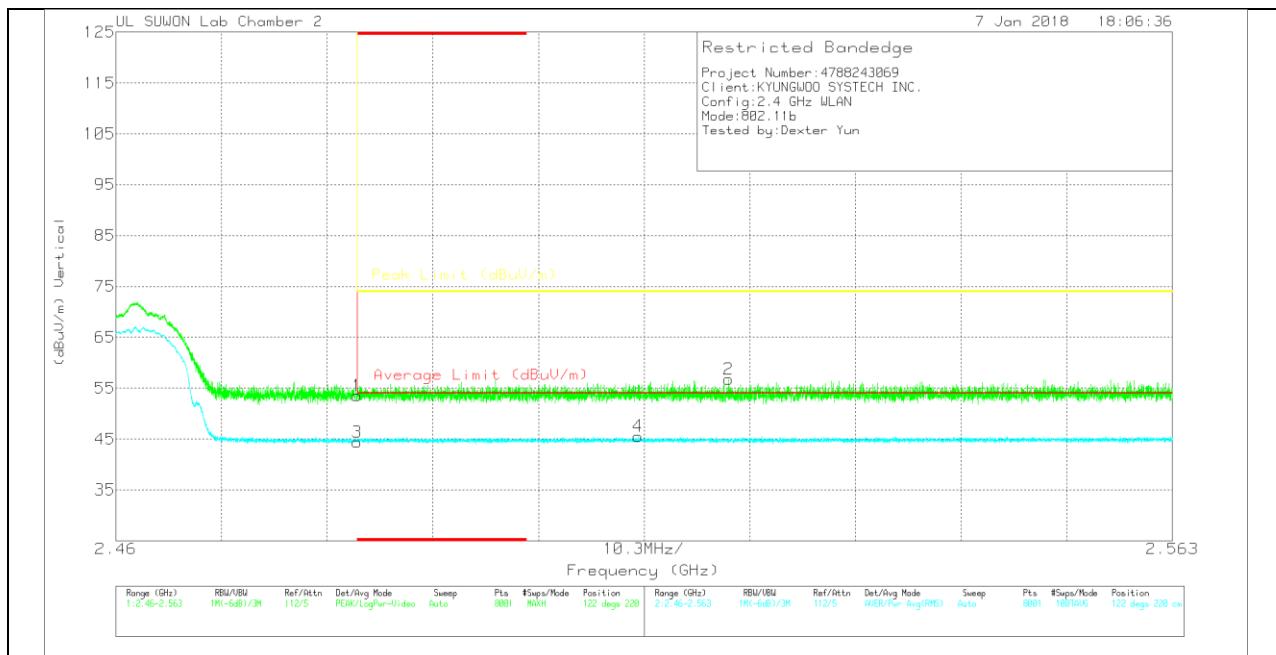
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 39.93 | Pk | 31.6 | -18 | 0 | 53.53 | - | - | 74 | -20.47 | 318 | 223 | H |
| 2 | 2.559 | 43.47 | Pk | 31.7 | -18 | 0 | 57.17 | - | - | 74 | -16.83 | 318 | 223 | H |
| 3 | *2.484 | 30.66 | RMS | 31.6 | -18 | .51 | 44.77 | 54 | -9.23 | - | - | 318 | 223 | H |
| 4 | 2.561 | 31.34 | RMS | 31.7 | -18 | .51 | 45.55 | 54 | -8.45 | - | - | 318 | 223 | 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 | 170531_3117[00168724] | 10dB[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 39.96 | Pk | 31.6 | -18 | 0 | 53.56 | - | - | 74 | -20.44 | 122 | 220 | V |
| 2 | 2.52 | 43.21 | Pk | 31.6 | -18 | 0 | 56.81 | - | - | 74 | -17.19 | 122 | 220 | V |
| 3 | *2.484 | 30.29 | RMS | 31.6 | -18 | .51 | 44.4 | 54 | -9.6 | - | - | 122 | 220 | V |
| 4 | 2.511 | 31.43 | RMS | 31.6 | -18 | .51 | 45.54 | 54 | -8.46 | - | - | 122 | 220 | V |

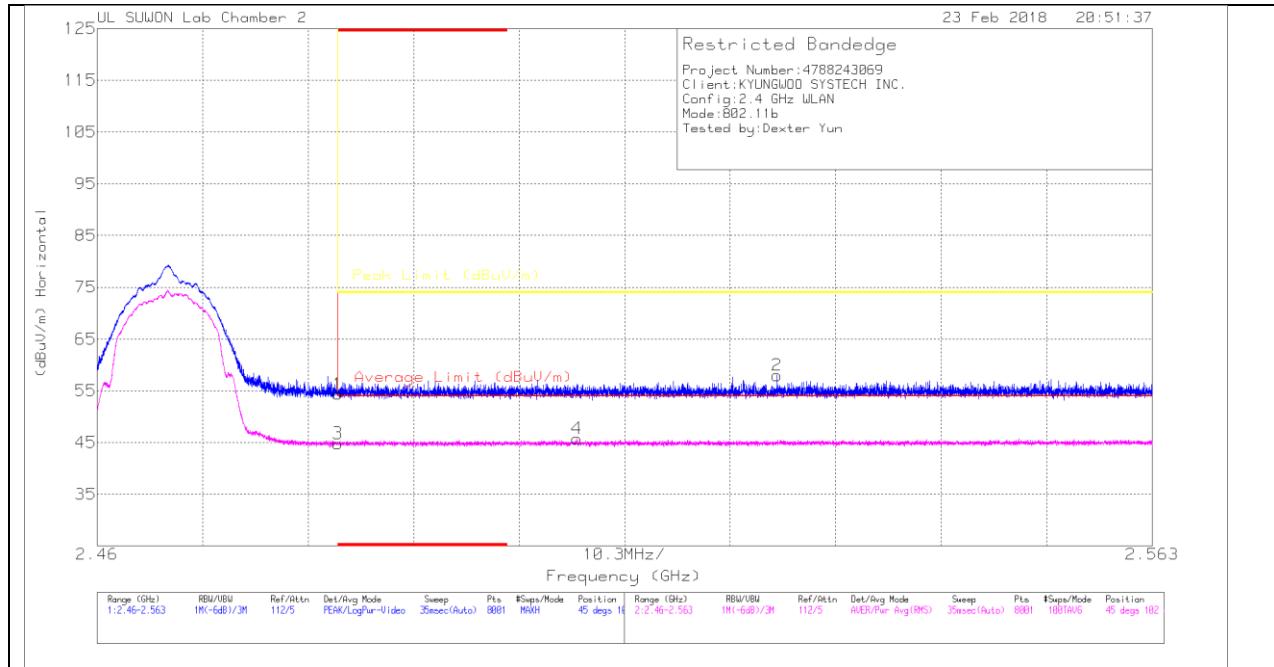
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2467 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

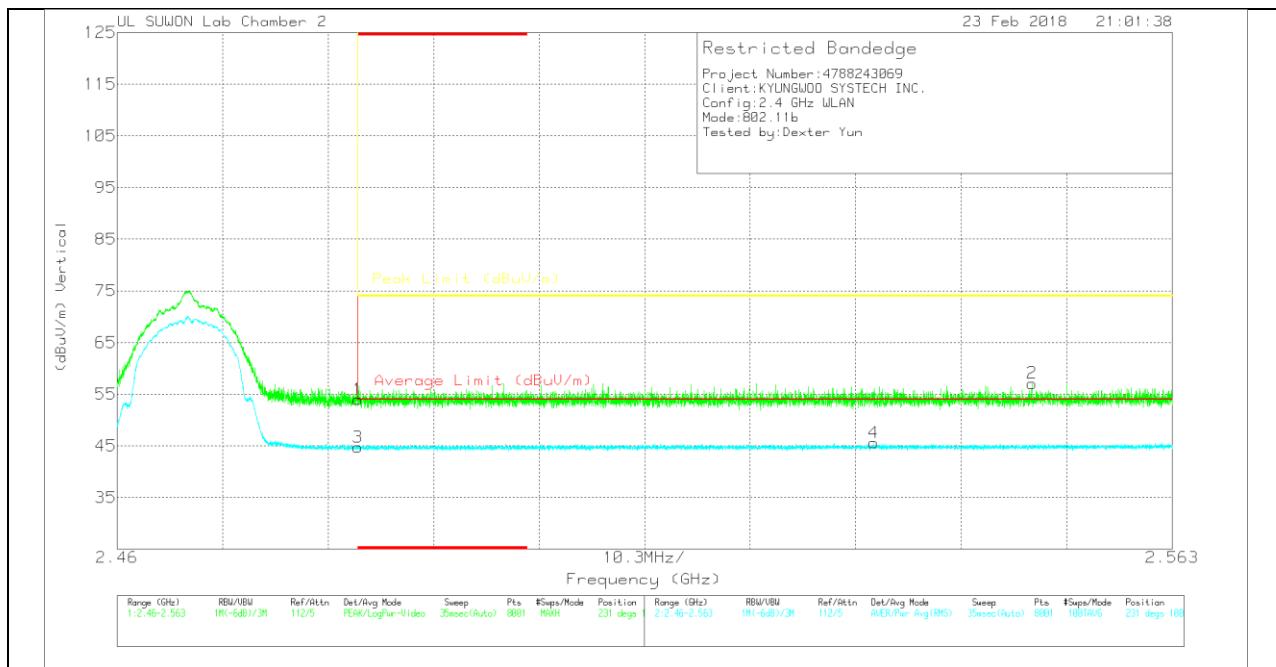
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 40.79 | Pk | 31.6 | -18 | 0 | 54.39 | - | - | 74 | -19.61 | 45 | 102 | H |
| 2 | 2.526 | 44.28 | Pk | 31.7 | -18 | 0 | 57.98 | - | - | 74 | -16.02 | 45 | 102 | H |
| 3 | * 2.484 | 30.61 | RMS | 31.6 | -18 | .51 | 44.72 | 54 | -9.28 | - | - | 45 | 102 | H |
| 4 | 2.507 | 31.55 | RMS | 31.6 | -18 | .51 | 45.66 | 54 | -8.34 | - | - | 45 | 102 | 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 (dB) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|--------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 40.38 | Pk | 31.6 | -18 | 0 | 53.98 | - | - | 74 | -20.02 | 231 | 100 | V |
| 2 | 2.549 | 43.42 | Pk | 31.7 | -18 | 0 | 57.12 | - | - | 74 | -16.88 | 231 | 100 | V |
| 3 | * 2.484 | 30.63 | RMS | 31.6 | -18 | .51 | 44.74 | 54 | -9.26 | - | - | 231 | 100 | V |
| 4 | 2.534 | 31.37 | RMS | 31.7 | -18 | .51 | 45.58 | 54 | -8.42 | - | - | 231 | 100 | V |

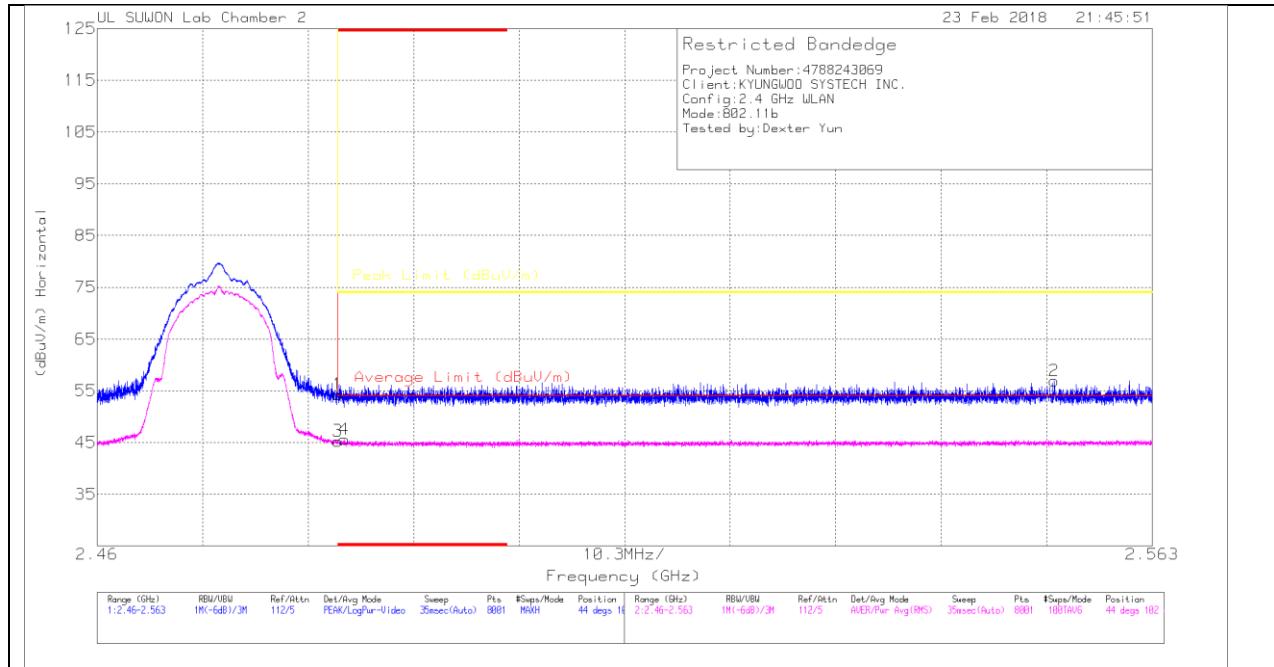
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2472 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

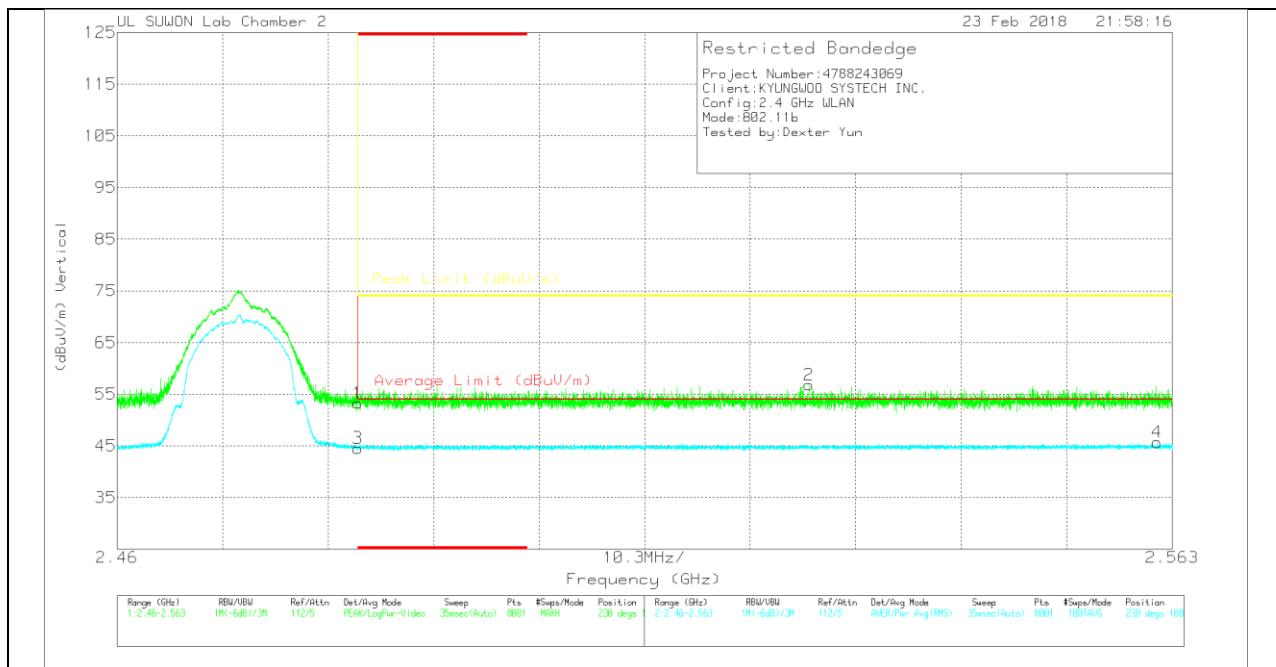
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/cm) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|-----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 40.71 | Pk | 31.6 | -18 | 0 | 54.31 | - | - | 74 | -19.69 | 44 | 102 | H |
| 2 | 2.553 | 43.22 | Pk | 31.7 | -18 | 0 | 56.92 | - | - | 74 | -17.08 | 44 | 102 | H |
| 3 | *2.484 | 31.19 | RMS | 31.6 | -18 | .51 | 45.3 | 54 | -8.7 | - | - | 44 | 102 | H |
| 4 | *2.484 | 31.48 | RMS | 31.6 | -18 | .51 | 45.59 | 54 | -8.41 | - | - | 44 | 102 | 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 (dB) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|--------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 39.69 | Pk | 31.6 | -18 | 0 | 53.28 | - | - | 74 | -20.71 | 230 | 100 | V |
| 2 | 2.528 | 43.09 | Pk | 31.7 | -18 | 0 | 56.79 | - | - | 74 | -17.21 | 230 | 100 | V |
| 3 | *2.484 | 30.44 | RMS | 31.6 | -18 | .51 | 44.55 | 54 | -9.45 | - | - | 230 | 100 | V |
| 4 | 2.562 | 31.47 | RMS | 31.7 | -18 | .51 | 45.68 | 54 | -8.32 | - | - | 230 | 100 | V |

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

Pk - Peak detector

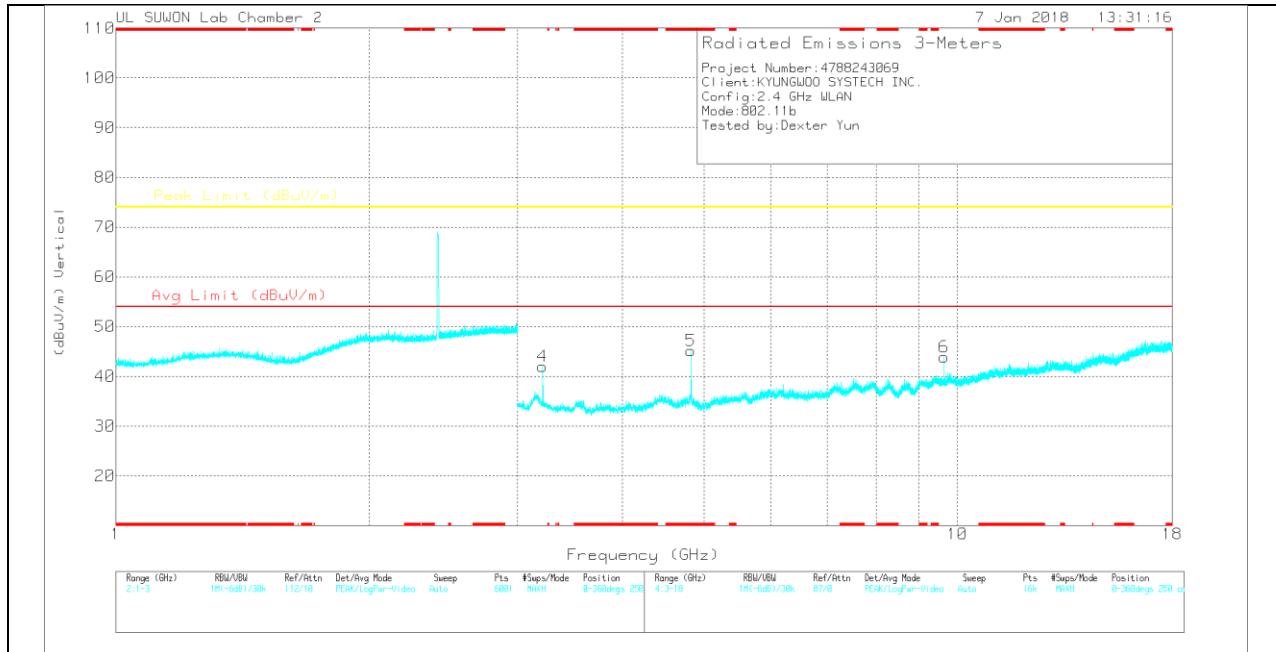
RMS - RMS detection

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 | 170531_3117[00168724] | 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 | 3.216 | 34.92 | Pk | 33.2 | -25.8 | 0 | 42.32 | - | - | 74 | -31.68 | 0-360 | 250 | H |
| 2 | * 4.823 | 39.85 | Pk | 33.8 | -24.3 | 0 | 49.35 | - | - | 74 | -24.65 | 0-360 | 250 | H |
| 3 | 9.647 | 25.74 | Pk | 36.8 | -18.3 | 0 | 44.24 | - | - | 74 | -29.76 | 0-360 | 150 | H |
| 4 | 3.216 | 34.58 | Pk | 33.2 | -25.8 | 0 | 41.98 | - | - | 74 | -32.02 | 0-360 | 250 | V |
| 5 | * 4.823 | 35.69 | Pk | 33.8 | -24.3 | 0 | 45.19 | - | - | 74 | -28.81 | 0-360 | 150 | V |
| 6 | 9.647 | 25.46 | Pk | 36.8 | -18.3 | 0 | 43.96 | - | - | 74 | -30.04 | 0-360 | 250 | V |

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

PK – Peak detector

Radiated Emissions

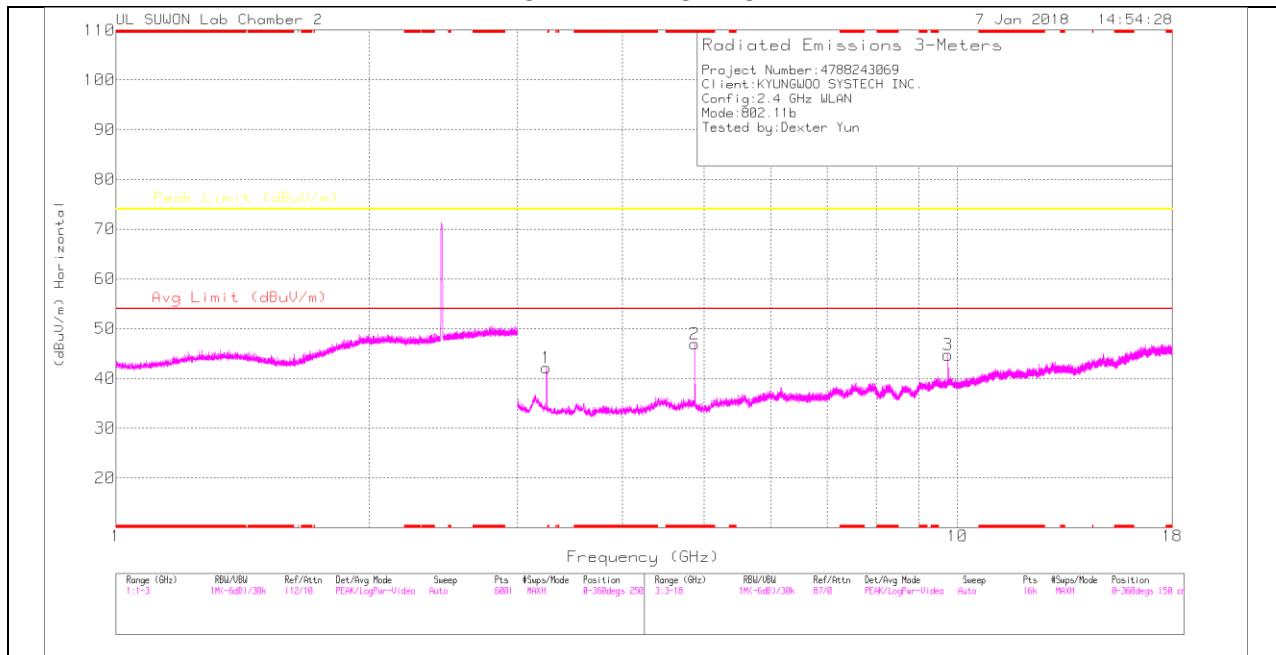
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 3.216 | 36.23 | PK2 | 33.2 | -25.8 | 0 | 43.63 | - | - | 74 | -30.37 | 344 | 224 | H |
| * 4.824 | 43.38 | PK2 | 33.8 | -24.3 | 0 | 52.88 | - | - | 74 | -21.12 | 150 | 185 | H |
| * 4.824 | 39.68 | MAv1 | 33.8 | -24.3 | .51 | 49.69 | 54 | -4.31 | - | - | 150 | 185 | H |
| 9.647 | 32.49 | PK2 | 36.8 | -18.3 | 0 | 50.99 | - | - | 74 | -23.01 | 157 | 109 | H |
| 3.216 | 39.96 | PK2 | 33.2 | -25.8 | 0 | 47.36 | - | - | 74 | -26.64 | 141 | 100 | V |
| * 4.824 | 41.33 | PK2 | 33.8 | -24.3 | 0 | 50.83 | - | - | 74 | -23.17 | 196 | 100 | V |
| * 4.824 | 36.36 | MAv1 | 33.8 | -24.3 | .51 | 46.37 | 54 | -7.63 | - | - | 196 | 100 | V |
| 9.648 | 31.09 | PK2 | 36.8 | -18.3 | 0 | 49.59 | - | - | 74 | -24.41 | 225 | 143 | V |

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

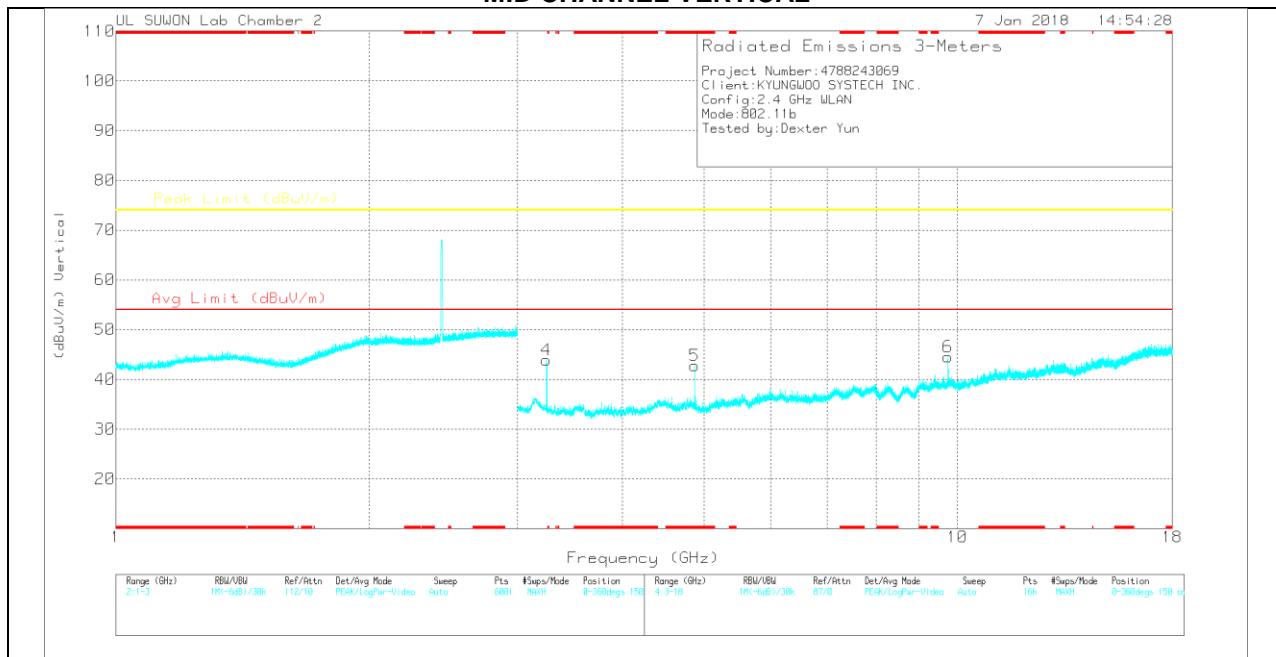
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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 | 170531_3117[00168724] | 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 | 3.248 | 35.3 | Pk | 32.7 | -25.9 | 0 | 42.1 | - | - | 74 | -31.9 | 0-360 | 150 | H |
| 2 | * 4.873 | 37.63 | Pk | 33.8 | -24.5 | 0 | 46.93 | - | - | 74 | -27.07 | 0-360 | 250 | H |
| 3 | 9.748 | 25.93 | Pk | 36.9 | -18.1 | 0 | 44.73 | - | - | 74 | -29.27 | 0-360 | 150 | H |
| 4 | 3.248 | 37.08 | Pk | 32.7 | -25.9 | 0 | 43.88 | - | - | 74 | -30.12 | 0-360 | 150 | V |
| 5 | * 4.873 | 33.49 | Pk | 33.8 | -24.5 | 0 | 42.79 | - | - | 74 | -31.21 | 0-360 | 250 | V |
| 6 | 9.748 | 25.71 | Pk | 36.9 | -18.1 | 0 | 44.51 | - | - | 74 | -29.49 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

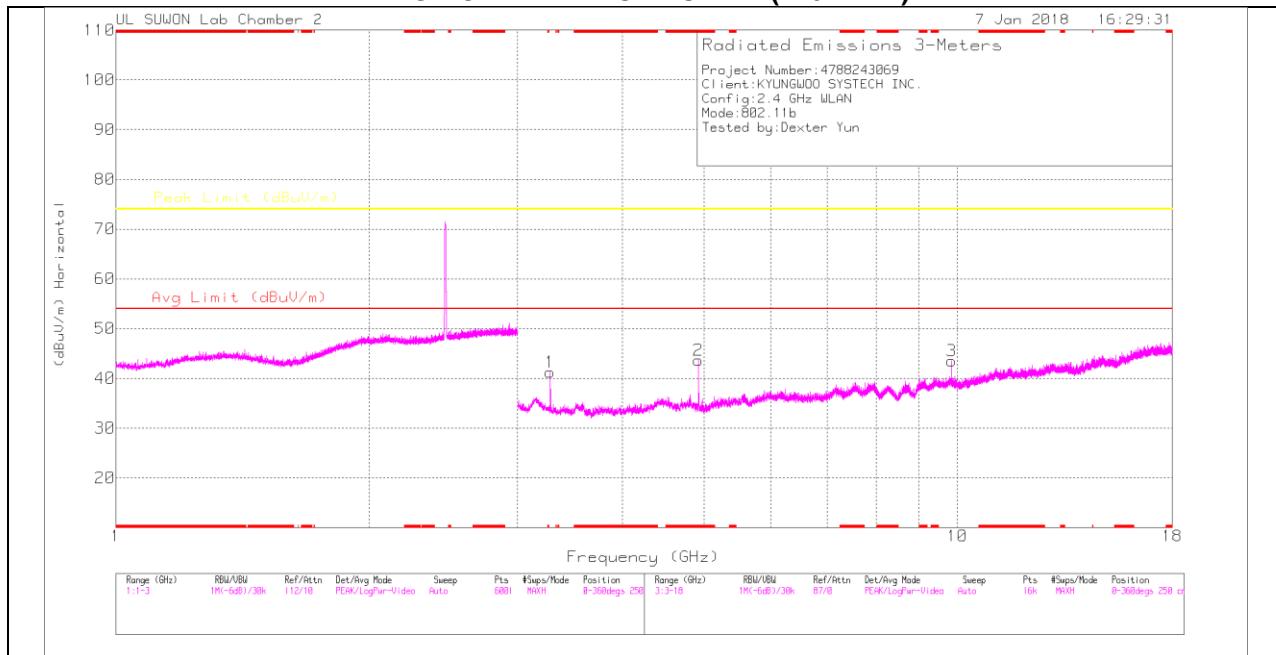
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 3.249 | 40.73 | PK2 | 32.7 | -25.9 | 0 | 47.53 | - | - | 74 | -26.47 | 27 | 100 | H |
| * 4.874 | 41.09 | PK2 | 33.8 | -24.5 | 0 | 50.39 | - | - | 74 | -23.61 | 147 | 287 | H |
| * 4.874 | 36.48 | MAv1 | 33.8 | -24.5 | .51 | 46.29 | 54 | -7.71 | - | - | 147 | 287 | H |
| 9.748 | 32.3 | PK2 | 36.9 | -18.1 | 0 | 51.1 | - | - | 74 | -22.9 | 157 | 101 | H |
| 3.249 | 41.29 | PK2 | 32.7 | -25.9 | 0 | 48.09 | - | - | 74 | -25.91 | 137 | 138 | V |
| * 4.874 | 39.15 | PK2 | 33.8 | -24.5 | 0 | 48.45 | - | - | 74 | -25.55 | 198 | 133 | V |
| * 4.874 | 33.29 | MAv1 | 33.8 | -24.5 | .51 | 43.1 | 54 | -10.9 | - | - | 198 | 133 | V |
| 9.748 | 31.96 | PK2 | 36.9 | -18.1 | 0 | 50.76 | - | - | 74 | -23.24 | 356 | 140 | V |

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

PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2462 MHz)



HIGH CHANNEL VERTICAL(2462 MHz)



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(2462 MHz)

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 | 3.282 | 34.55 | Pk | 32.6 | -25.9 | 0 | 42.25 | - | - | 74 | -32.75 | 0-360 | 250 | H |
| 2 | *4.924 | 34.55 | Pk | 33.8 | -24.7 | 0 | 43.65 | - | - | 74 | -30.35 | 0-360 | 250 | H |
| 3 | 9.848 | 24.43 | Pk | 37 | -17.9 | 0 | 43.53 | - | - | 74 | -30.47 | 0-360 | 150 | H |
| 4 | 3.282 | 36.21 | Pk | 32.6 | -25.9 | 0 | 42.91 | - | - | 74 | -31.09 | 0-360 | 250 | V |
| 5 | *4.924 | 31.64 | Pk | 33.8 | -24.7 | 0 | 40.74 | - | - | 74 | -33.26 | 0-360 | 250 | V |
| 6 | 9.848 | 25.01 | Pk | 37 | -17.9 | 0 | 44.11 | - | - | 74 | -29.89 | 0-360 | 250 | V |

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

PK – Peak detector

Radiated Emissions

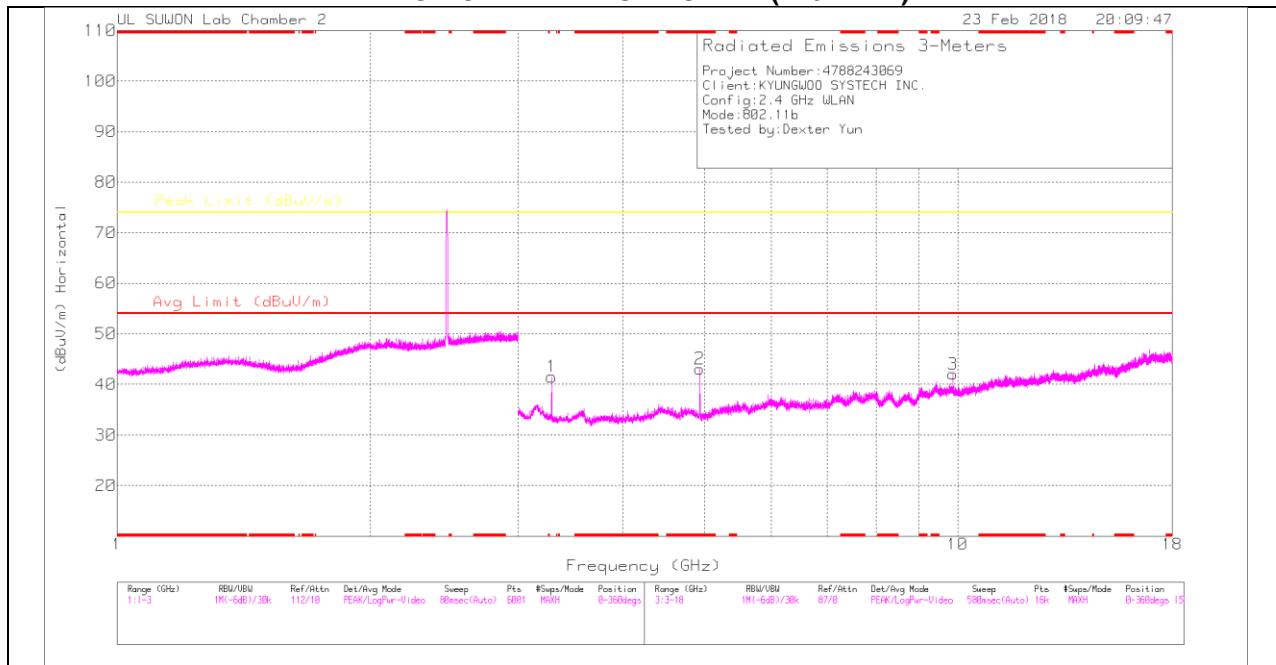
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 3.283 | 39.6 | PK2 | 32.6 | -25.9 | 0 | 46.3 | - | - | 74 | -27.7 | 165 | 188 | H |
| *4.924 | 39.38 | PK2 | 33.8 | -24.7 | 0 | 48.48 | - | - | 74 | -25.52 | 150 | 281 | H |
| *4.924 | 33.49 | MAv1 | 33.8 | -24.7 | .51 | 43.1 | 54 | -10.9 | - | - | 150 | 281 | H |
| 9.848 | 31.79 | PK2 | 37 | -17.9 | 0 | 50.89 | - | - | 74 | -23.11 | 158 | 100 | H |
| 3.282 | 41.04 | PK2 | 32.6 | -25.9 | 0 | 47.74 | - | - | 74 | -26.26 | 141 | 132 | V |
| *4.924 | 38.85 | PK2 | 33.8 | -24.7 | 0 | 47.95 | - | - | 74 | -26.05 | 155 | 247 | V |
| *4.924 | 32.76 | MAv1 | 33.8 | -24.7 | .51 | 42.37 | 54 | -11.63 | - | - | 155 | 247 | V |
| 9.848 | 31.18 | PK2 | 37 | -17.9 | 0 | 50.28 | - | - | 74 | -23.72 | 355 | 144 | V |

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

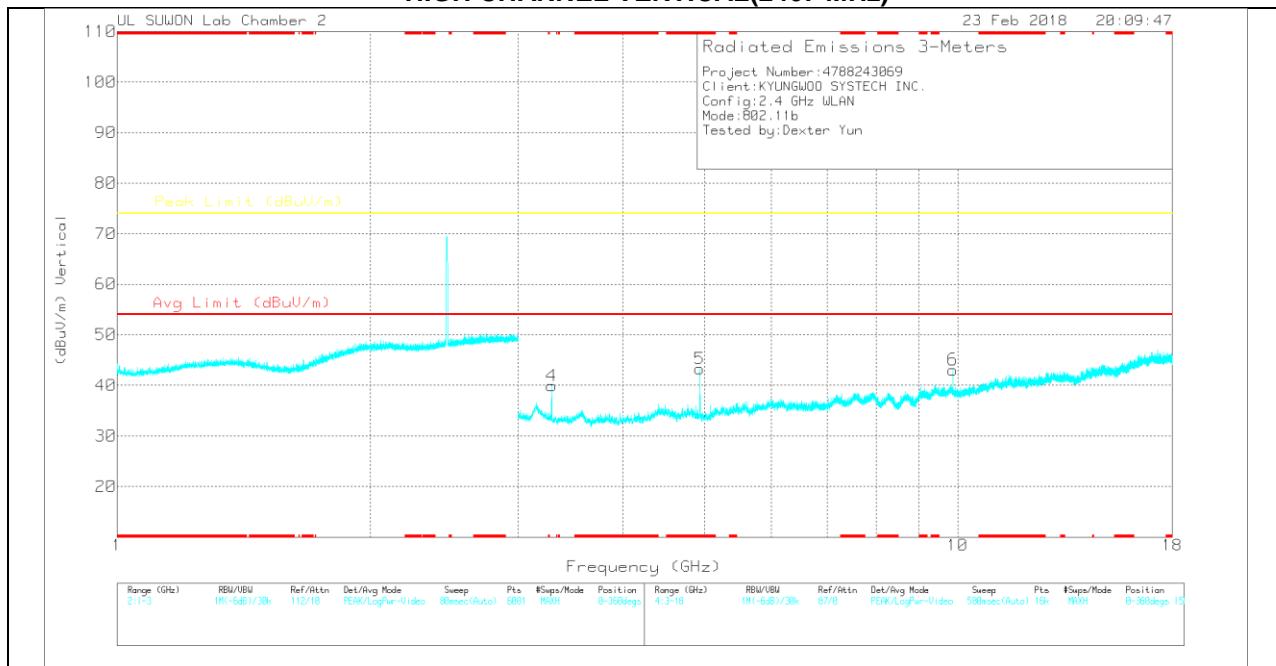
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2467 MHz)



HIGH CHANNEL VERTICAL(2467 MHz)



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(2467 MHz)

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 | 3.289 | 34.68 | Avg | 32.5 | -25.9 | 0 | 49.48 | - | - | 74 | -32.52 | 0-360 | 150 | H |
| 2 | *4.934 | 33.95 | Avg | 33.8 | -24.7 | 0 | 43.05 | - | - | 74 | -30.95 | 0-360 | 150 | H |
| 3 | 9.868 | 23.03 | Avg | 37 | -18 | 0 | 42.03 | - | - | 74 | -31.97 | 0-360 | 150 | H |
| 4 | 3.289 | 33.3 | Avg | 32.5 | -25.9 | 0 | 39.9 | - | - | 74 | -34.1 | 0-360 | 250 | V |
| 5 | *4.933 | 34.15 | Avg | 33.8 | -24.7 | 0 | 43.25 | - | - | 74 | -30.75 | 0-360 | 150 | V |
| 6 | 9.868 | 24.08 | Avg | 37 | -18 | 0 | 43.08 | - | - | 74 | -30.92 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

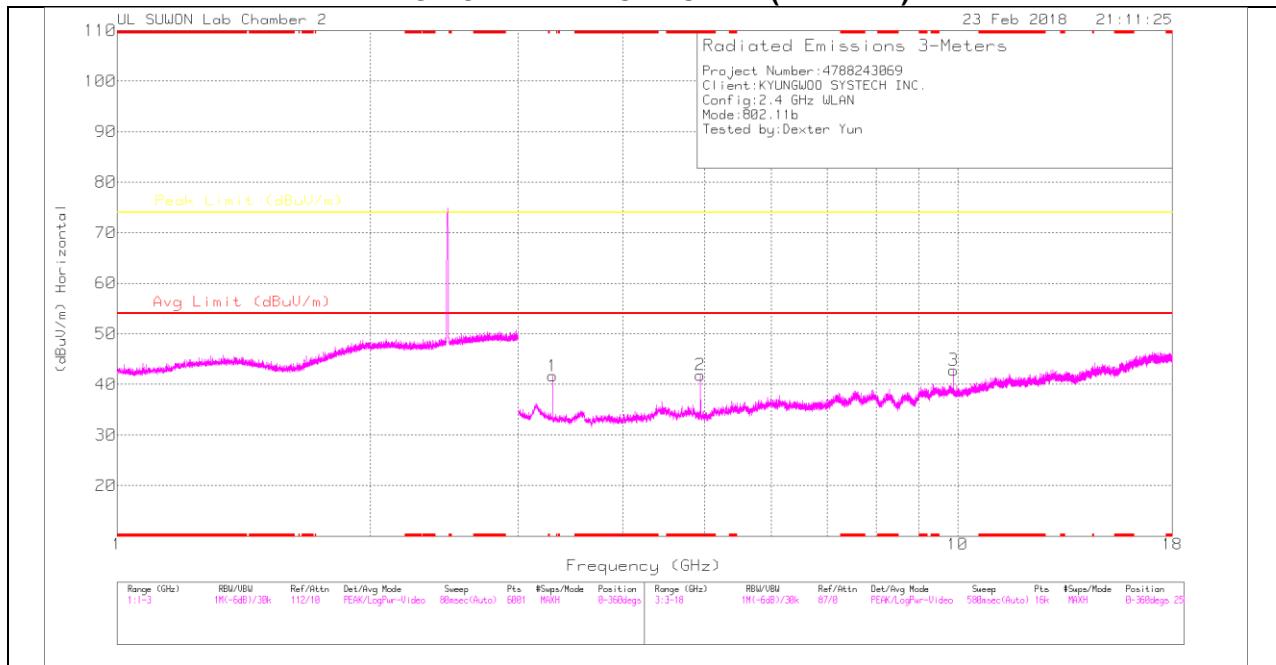
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.934 | 40.08 | PK2 | 33.8 | -24.7 | 0 | 49.18 | - | - | 74 | -24.82 | 153 | 316 | H |
| * 4.934 | 34.43 | MAv1 | 33.8 | -24.7 | .51 | 44.04 | 54 | -9.96 | - | - | 153 | 316 | H |
| * 4.934 | 39.34 | PK2 | 33.8 | -24.7 | 0 | 48.44 | - | - | 74 | -25.56 | 206 | 147 | V |
| * 4.934 | 33.97 | MAv1 | 33.8 | -24.7 | .51 | 43.58 | 54 | -10.42 | - | - | 206 | 147 | V |

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

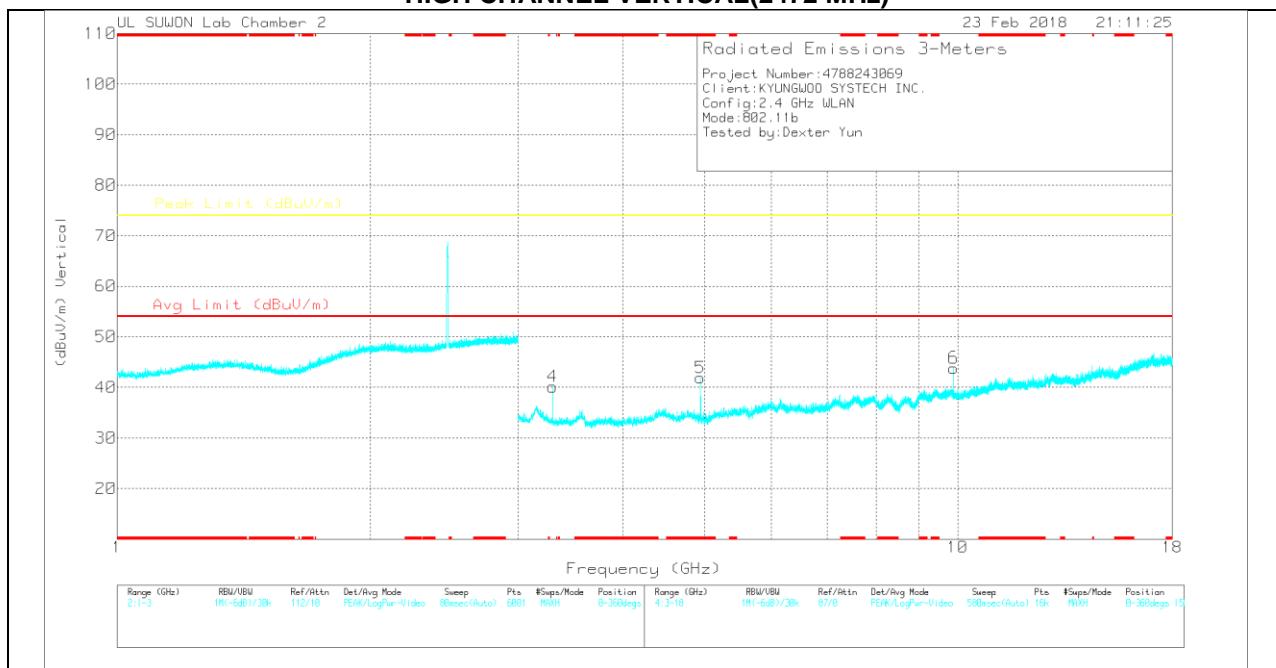
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2472 MHz)



HIGH CHANNEL VERTICAL(2472 MHz)



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(2472 MHz)

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 | 3.295 | 35.04 | Avg | 32.5 | -25.9 | 0 | 41.64 | - | - | 74 | -32.36 | 0-360 | 150 | H |
| 2 | * 4.943 | 32.74 | Avg | 33.8 | -24.7 | 0 | 41.84 | - | - | 74 | -32.16 | 0-360 | 250 | H |
| 3 | 9.887 | 23.7 | Avg | 37.1 | -18 | 0 | 42.8 | - | - | 74 | -31.2 | 0-360 | 150 | H |
| 4 | 3.295 | 33.53 | Avg | 32.5 | -25.9 | 0 | 40.13 | - | - | 74 | -33.87 | 0-360 | 150 | V |
| 5 | * 4.943 | 32.8 | Avg | 33.8 | -24.7 | 0 | 41.9 | - | - | 74 | -32.1 | 0-360 | 250 | V |
| 6 | 9.887 | 24.72 | Avg | 37.1 | -18 | 0 | 43.82 | - | - | 74 | -30.18 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.944 | 37.47 | PK2 | 33.8 | -24.7 | 0 | 46.57 | - | - | 74 | -27.43 | 8 | 106 | H |
| * 4.944 | 31.08 | MAv1 | 33.8 | -24.7 | .51 | 40.69 | 54 | -13.31 | - | - | 8 | 106 | H |
| * 4.944 | 38.77 | PK2 | 33.8 | -24.7 | 0 | 47.87 | - | - | 74 | -26.13 | 212 | 125 | V |
| * 4.944 | 32.93 | MAv1 | 33.8 | -24.7 | .51 | 42.54 | 54 | -11.46 | - | - | 212 | 125 | V |

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

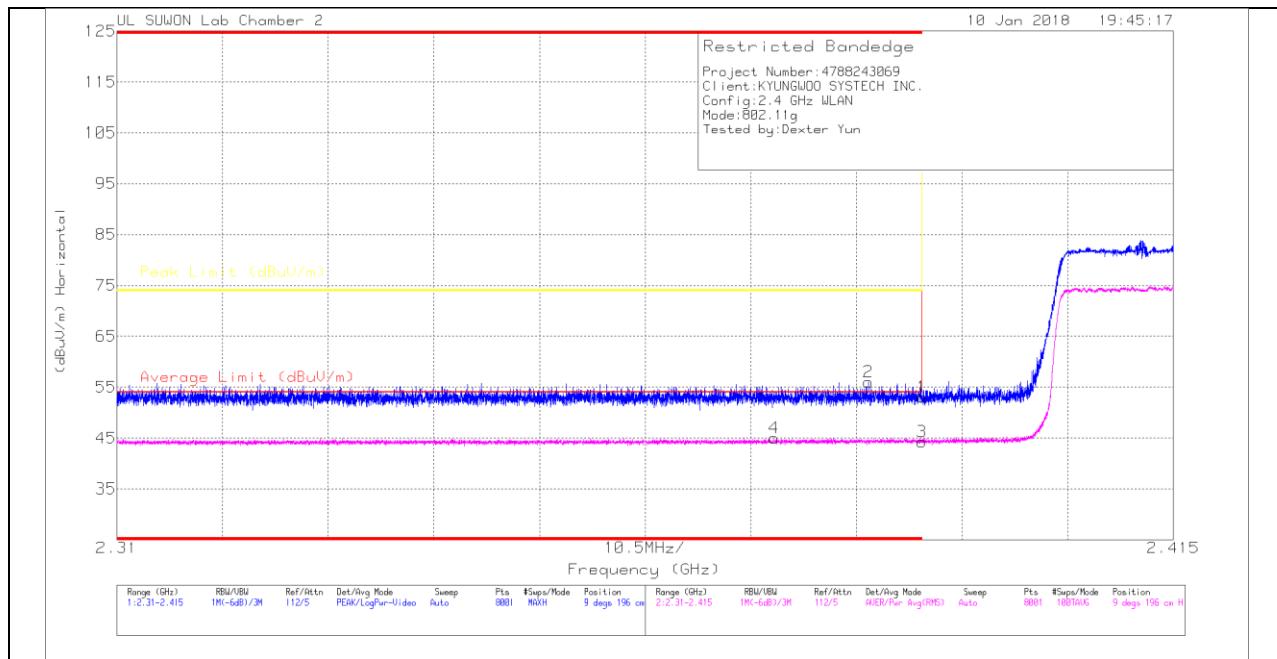
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.2.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

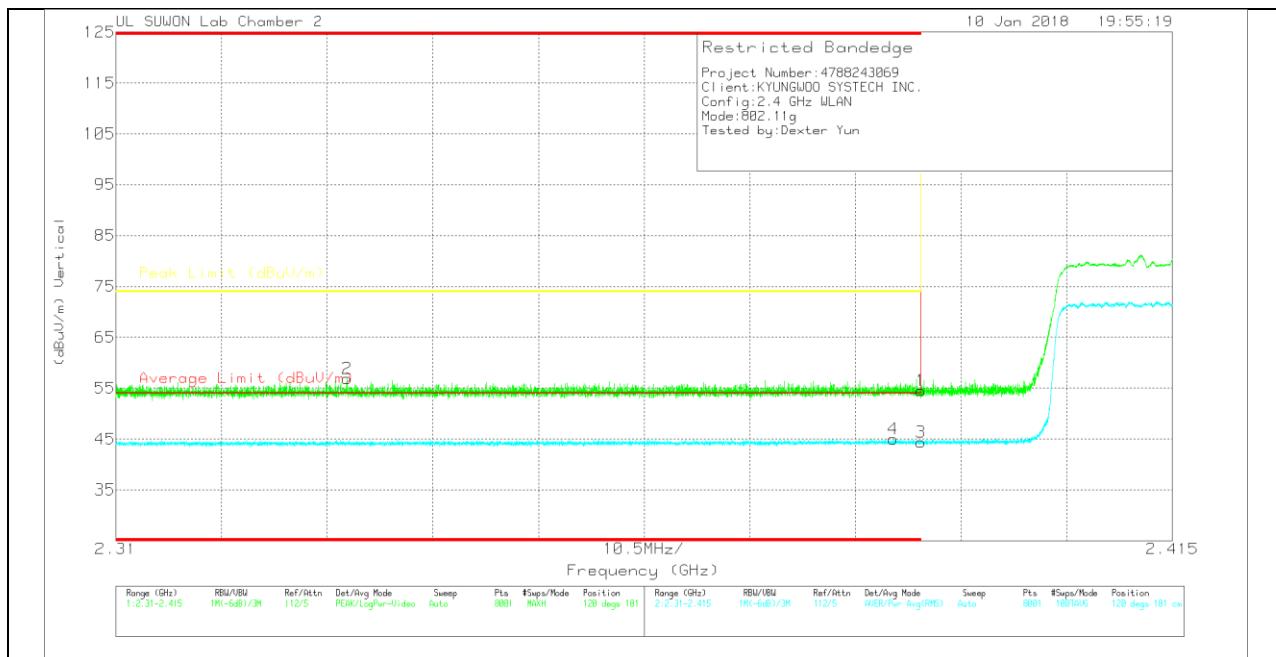
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 39.98 | Pk | 31.3 | -18.2 | 0 | 53.08 | - | - | 74 | -20.92 | 9 | 196 | H |
| 2 | * 2.385 | 42.93 | Pk | 31.3 | -18.2 | 0 | 56.03 | - | - | 74 | -17.97 | 9 | 196 | H |
| 3 | * 2.39 | 30.47 | RMS | 31.3 | -18.2 | .61 | 44.18 | 54 | -9.82 | - | - | 9 | 196 | H |
| 4 | * 2.375 | 31.36 | RMS | 31.3 | -18.3 | .61 | 44.97 | 54 | -9.03 | - | - | 9 | 196 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



Trace Markers

| Marker | Frequency (GHz) | Meas Reading (dBuV) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Pk Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 41.41 | Pk | 31.3 | -18.2 | 0 | 54.51 | - | - | 74 | -19.49 | 120 | 181 | V |
| 2 | * 2.33 | 44.06 | Pk | 31.2 | -18.4 | 0 | 56.86 | - | - | 74 | -17.14 | 120 | 181 | V |
| 3 | * 2.39 | 30.62 | RMS | 31.3 | -18.2 | .61 | 44.33 | 54 | -9.67 | - | - | 120 | 181 | V |
| 4 | * 2.387 | 31.18 | RMS | 31.3 | -18.2 | .61 | 44.89 | 54 | -9.11 | - | - | 120 | 181 | V |

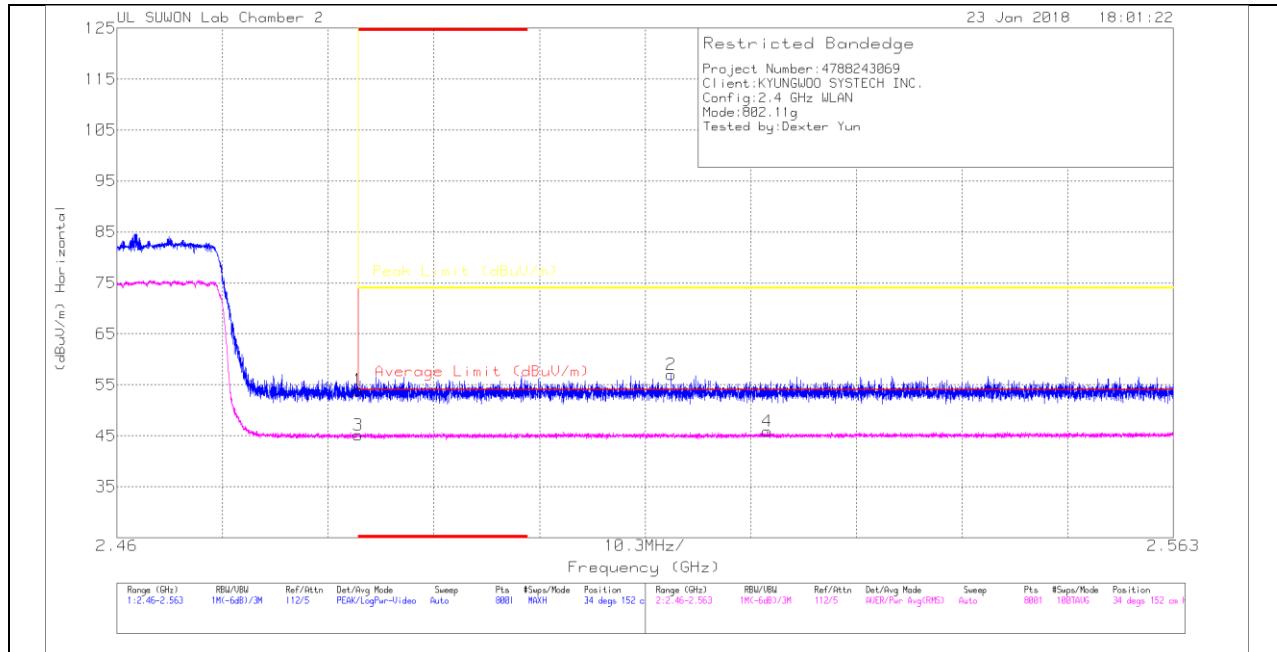
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2462 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

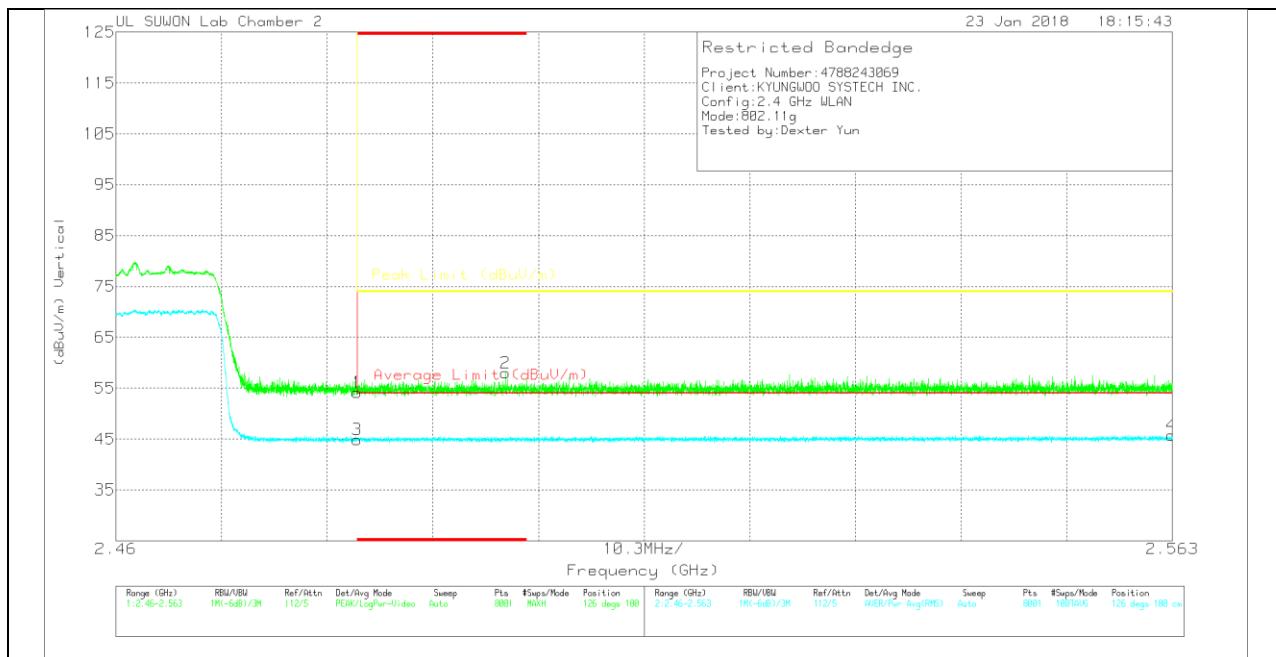
| Marker | Frequency (GHz) | Meter Power (dBm/V) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Power(dBm/V) | Average Limit (dBm/V/m) | Margin (dB) | Peak Limit (dBm/V/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|-----------------------|----------|--------------|------------------------|-------------------------|-------------|----------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 40.38 | Pk | 31.6 | -18 | 0 | 53.98 | - | - | 74 | -20.02 | 34 | 152 | H |
| 2 | 2.514 | 43.44 | Pk | 31.6 | -18 | 0 | 57.04 | - | - | 74 | -16.96 | 34 | 152 | H |
| 3 | * 2.484 | 30.85 | RMS | 31.6 | -18 | .61 | 45.06 | 54 | -8.94 | - | - | 34 | 152 | H |
| 4 | 2.523 | 31.62 | RMS | 31.6 | -18 | .61 | 45.83 | 54 | -8.17 | - | - | 34 | 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 (dB _U /m) | Det | 170531_3117[00168724] | 10dB[dB] | DC Corr (dB) | Corrected Reading (dB _U /m) | Average Limit (dB _U /m) | Margin (dB) | Peak Limit (dB _U /m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|------------------------------------|-----|-----------------------|----------|--------------|--|------------------------------------|-------------|---------------------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 40.51 | Pk | 31.6 | -18 | 0 | 54.11 | - | - | 74 | -19.89 | 126 | 180 | V |
| 2 | *2.498 | 44.38 | Pk | 31.6 | -18 | 0 | 57.98 | - | - | 74 | -16.02 | 126 | 180 | V |
| 3 | *2.484 | 30.63 | RMS | 31.6 | -18 | .61 | 44.84 | 54 | -9.16 | - | - | 126 | 180 | V |
| 4 | 2.563 | 31.22 | RMS | 31.8 | -18 | .61 | 45.63 | 54 | -8.37 | - | - | 126 | 180 | V |

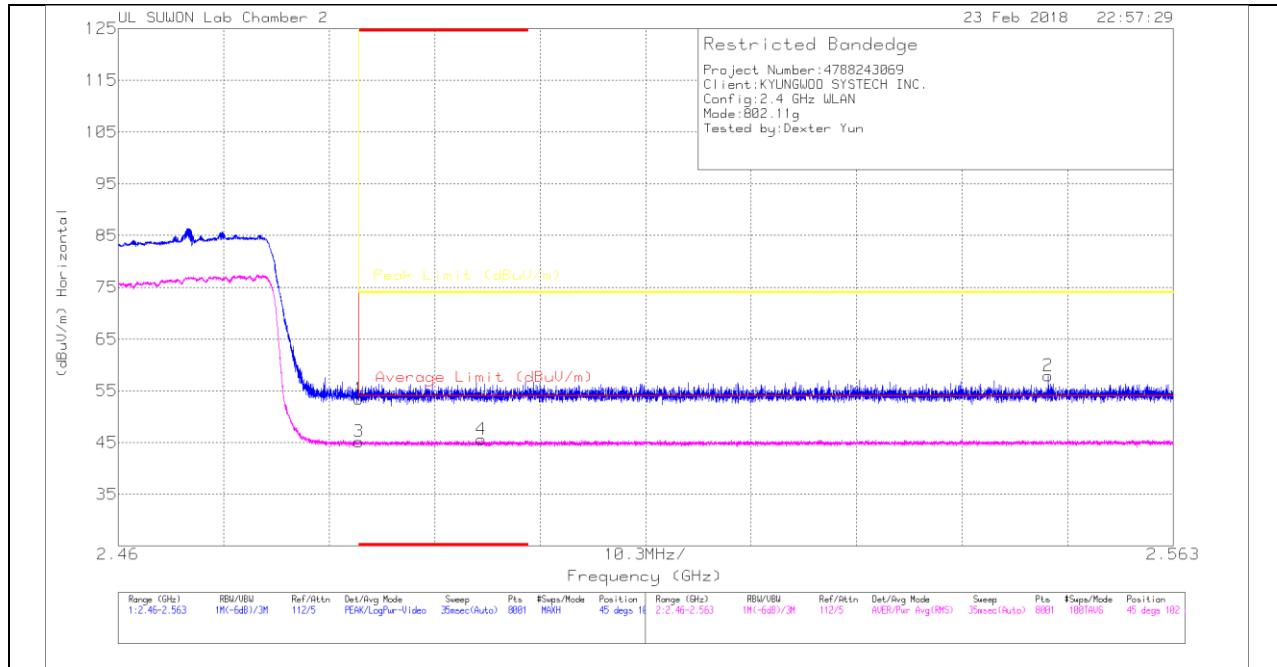
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2467 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

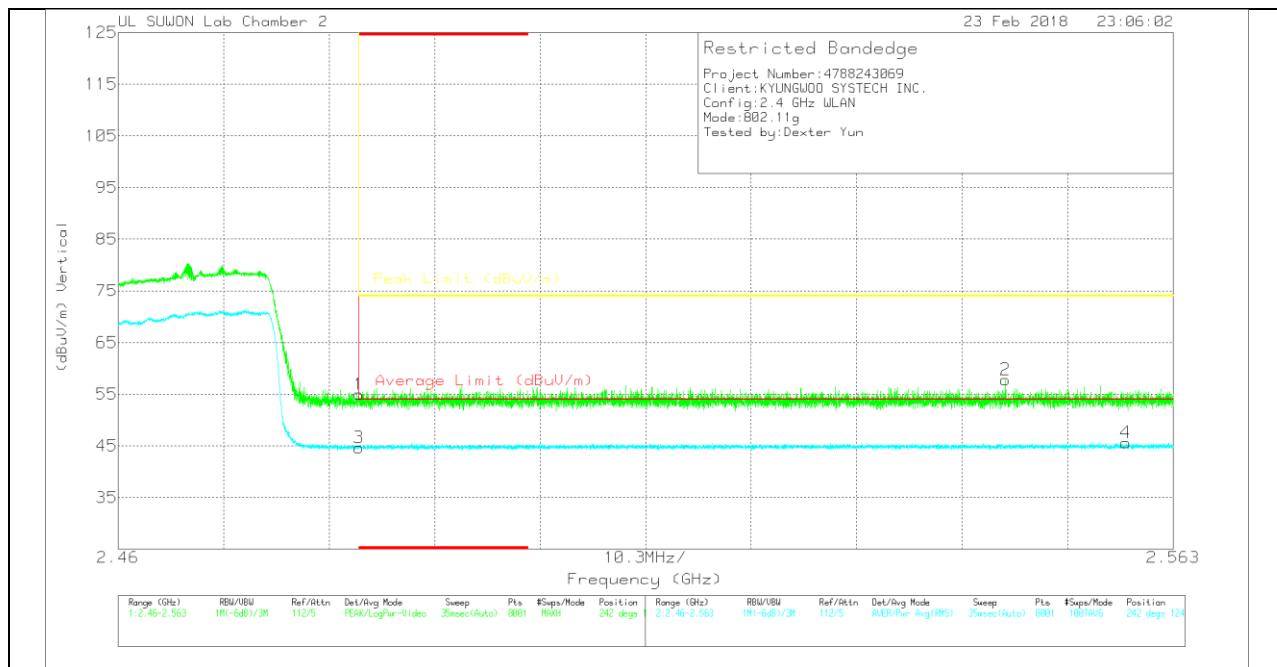
| Marker | Frequency (GHz) | Marker Reading (dBuV) | Det | Y70531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|-----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 39.89 | Pk | 31.6 | -18 | 0 | 53.49 | - | - | 74 | -20.51 | 45 | 102 | H |
| 2 | 2.551 | 44.25 | Pk | 31.7 | -18 | 0 | 57.95 | - | - | 74 | -16.05 | 45 | 102 | H |
| 3 | *2.484 | 30.99 | RMS | 31.6 | -18 | .61 | 45.2 | 54 | -8.8 | - | - | 45 | 102 | H |
| 4 | *2.495 | 31.45 | RMS | 31.6 | -18 | .61 | 45.66 | 54 | -8.34 | - | - | 45 | 102 | 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 | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 41.37 | Pk | 31.6 | -18 | 0 | 54.97 | - | - | 74 | -19.03 | 242 | 124 | V |
| 2 | 2.547 | 44.11 | Pk | 31.7 | -18 | 0 | 57.81 | - | - | 74 | -16.19 | 242 | 124 | V |
| 3 | *2.484 | 30.48 | RMS | 31.6 | -18 | .61 | 44.69 | 54 | -9.31 | - | - | 242 | 124 | V |
| 4 | 2.558 | 31.34 | RMS | 31.7 | -18 | .61 | 45.65 | 54 | -8.35 | - | - | 242 | 124 | V |

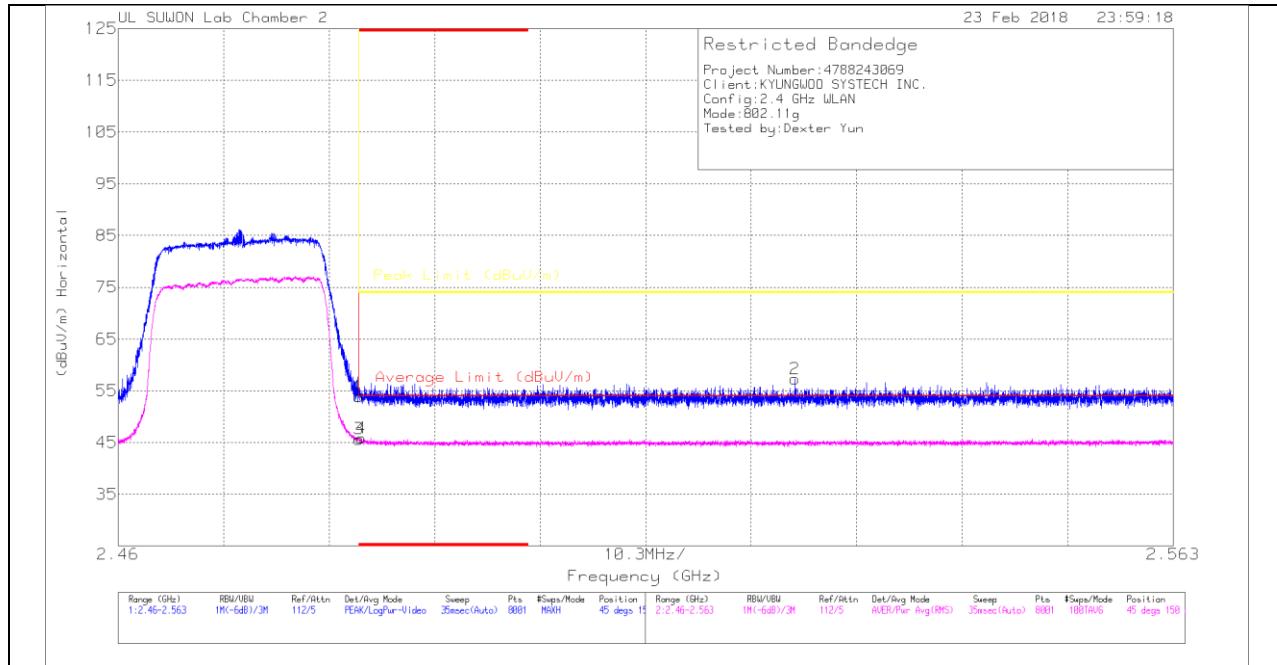
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2472 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

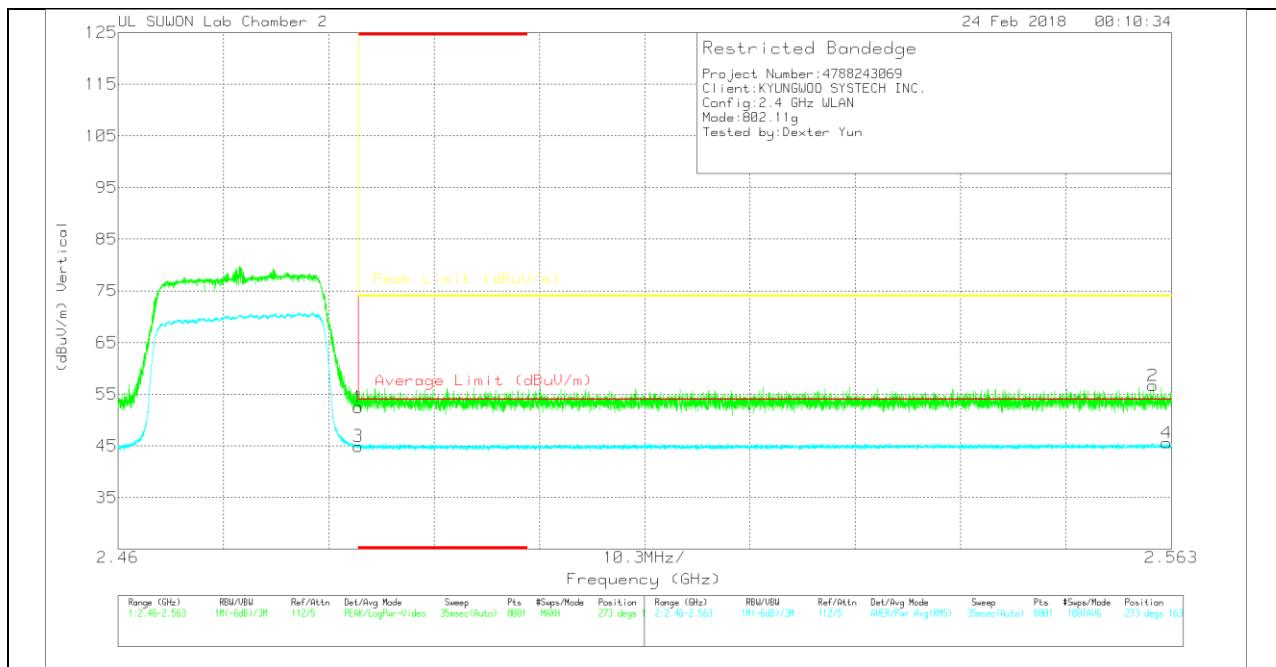
| Marker | Frequency (GHz) | Marker Reading (dBuV) | Det | Y10531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|-----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 40.34 | Pk | 31.6 | -18 | 0 | 53.94 | - | - | 74 | -20.06 | 45 | 150 | H |
| 2 | 2.526 | 43.59 | Pk | 31.7 | -18 | 0 | 57.29 | - | - | 74 | -16.71 | 45 | 150 | H |
| 3 | * 2.484 | 31.47 | RMS | 31.6 | -18 | .61 | 45.68 | 54 | -8.32 | - | - | 45 | 150 | H |
| 4 | * 2.484 | 31.65 | RMS | 31.6 | -18 | .61 | 45.86 | 54 | -8.14 | - | - | 45 | 150 | 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 | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 38.9 | Pk | 31.6 | -18 | 0 | 52.5 | - | - | 74 | -21.5 | 273 | 163 | V |
| 2 | 2.561 | 42.96 | Pk | 31.7 | -18 | 0 | 56.66 | - | - | 74 | -17.34 | 273 | 163 | V |
| 3 | *2.484 | 30.73 | RMS | 31.6 | -18 | .61 | 44.94 | 54 | -9.06 | - | - | 273 | 163 | V |
| 4 | 2.563 | 31.21 | RMS | 31.8 | -18 | .61 | 45.62 | 54 | -8.38 | - | - | 273 | 163 | V |

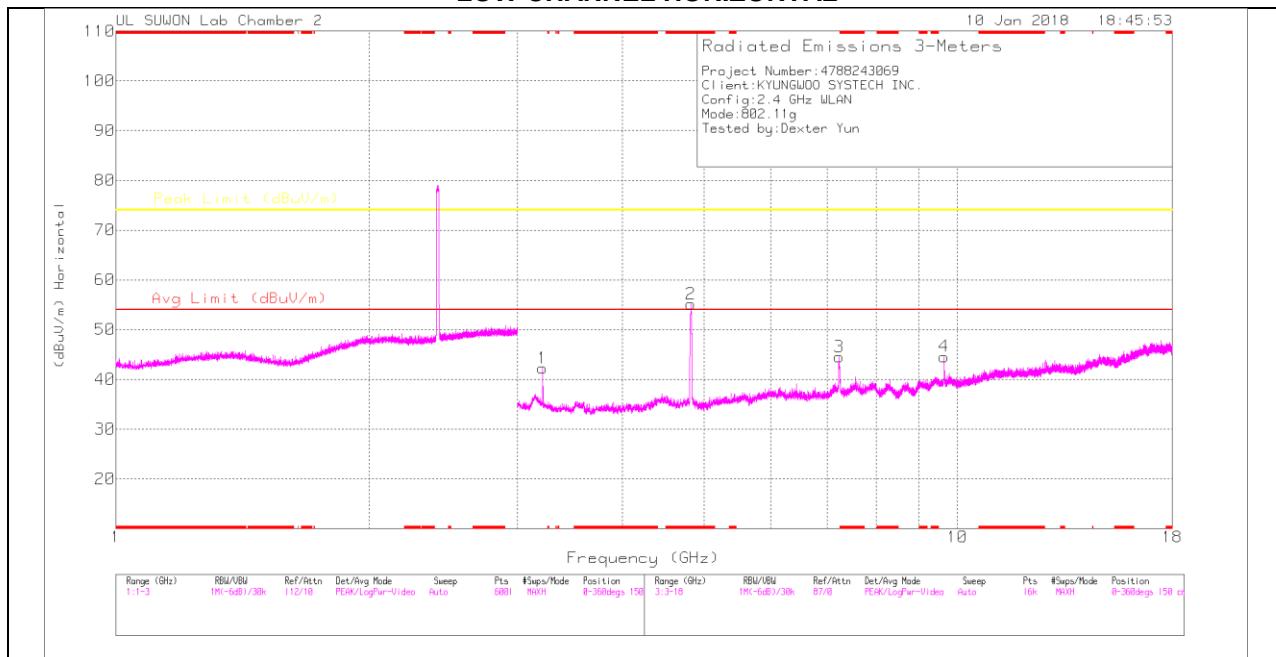
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

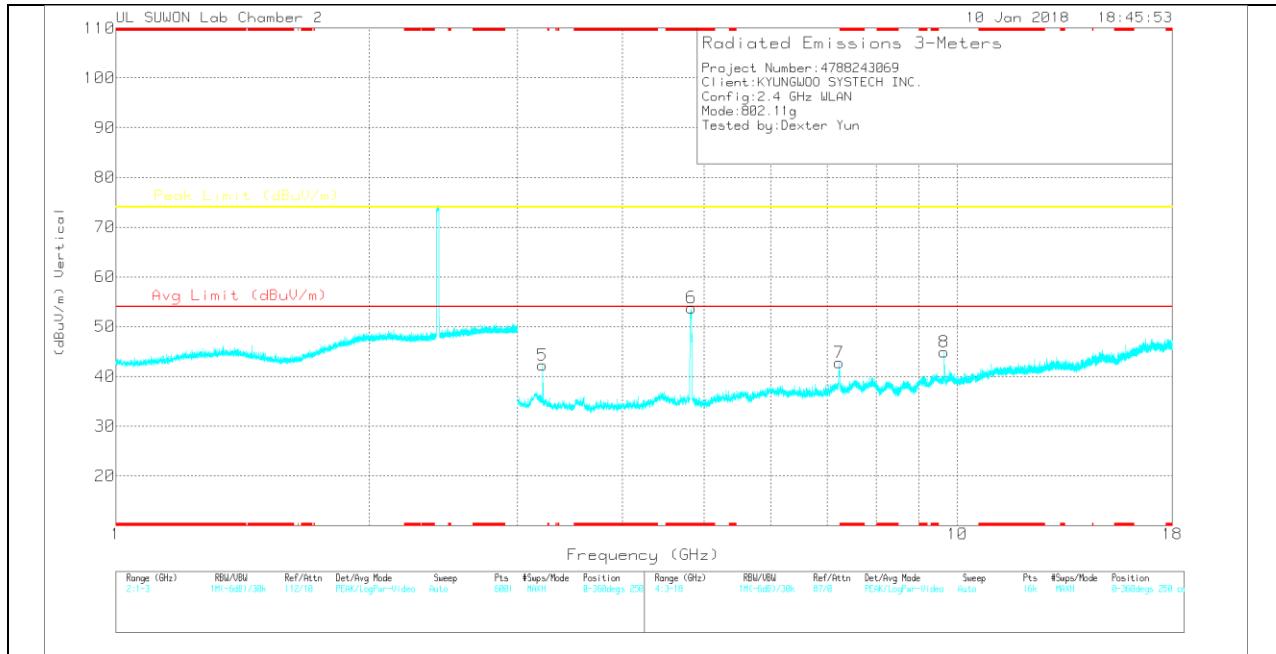
RMS - RMS detection

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 | 170531_3117[00168724] | 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 | 3.216 | 34.87 | Pk | 33.2 | -25.8 | 0 | 42.27 | - | - | 74 | -31.73 | 0-360 | 150 | H |
| 2 | *4.823 | 45.61 | Pk | 33.8 | -24.3 | 0 | 55.11 | - | - | 74 | -18.89 | 0-360 | 250 | H |
| 3 | 7.234 | 30.59 | Pk | 35.9 | -21.9 | 0 | 44.59 | - | - | 74 | -29.41 | 0-360 | 150 | H |
| 4 | 9.647 | 26.1 | Pk | 36.8 | -18.3 | 0 | 44.6 | - | - | 74 | -29.4 | 0-360 | 150 | H |
| 5 | 3.216 | 34.82 | Pk | 33.2 | -25.8 | 0 | 42.22 | - | - | 74 | -31.78 | 0-360 | 150 | V |
| 6 | *4.826 | 44.33 | Pk | 33.8 | -24.3 | 0 | 53.83 | - | - | 74 | -20.17 | 0-360 | 250 | V |
| 7 | 7.235 | 28.8 | Pk | 35.9 | -21.9 | 0 | 42.8 | - | - | 74 | -31.2 | 0-360 | 250 | V |
| 8 | 9.647 | 26.47 | Pk | 36.8 | -18.3 | 0 | 44.97 | - | - | 74 | -29.03 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

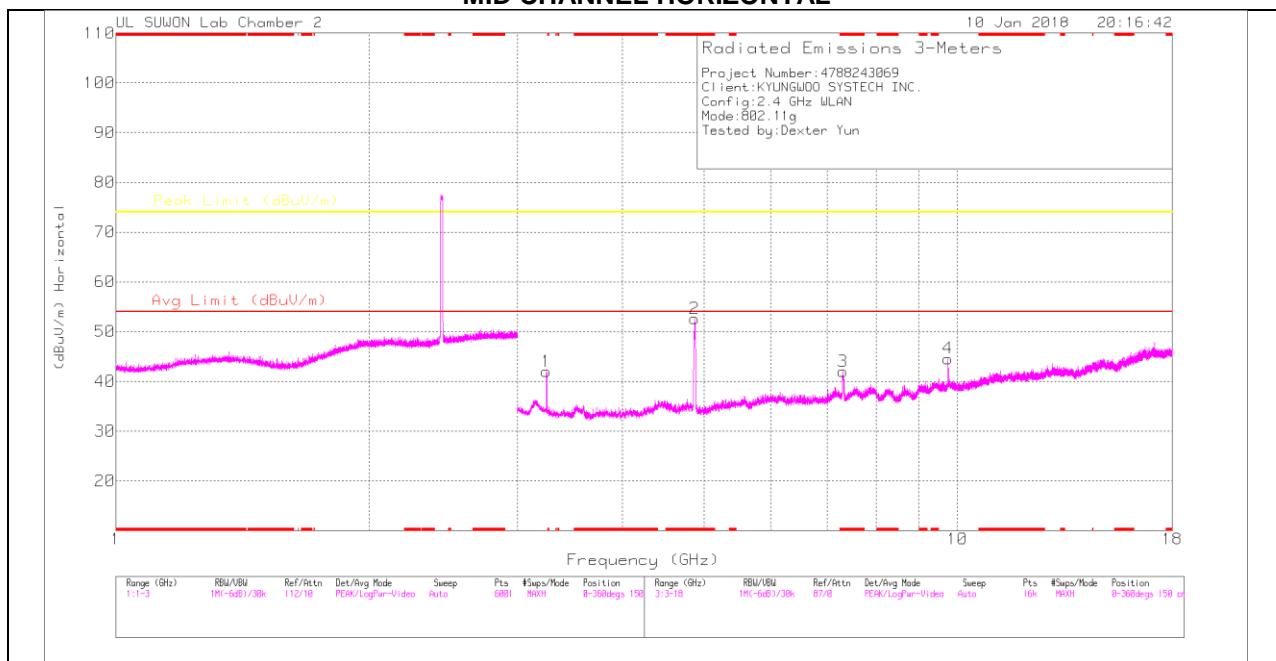
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 3.216 | 40.67 | PK2 | 33.2 | -25.8 | 0 | 48.07 | - | - | 74 | -25.93 | 168 | 112 | H |
| *4.821 | 54.12 | PK2 | 33.8 | -24.3 | 0 | 63.62 | - | - | 74 | -10.38 | 139 | 137 | H |
| *4.824 | 40.53 | MAv1 | 33.8 | -24.3 | .61 | 50.64 | 54 | -3.36 | - | - | 139 | 137 | H |
| 9.848 | 31.79 | PK2 | 37 | -17.9 | 0 | 50.89 | - | - | 74 | -23.11 | 158 | 100 | H |
| 3.216 | 40.58 | PK2 | 33.2 | -25.8 | 0 | 47.98 | - | - | 74 | -26.02 | 143 | 126 | V |
| *4.821 | 53.86 | PK2 | 33.8 | -24.3 | 0 | 63.36 | - | - | 74 | -10.64 | 111 | 253 | V |
| *4.823 | 39.96 | MAv1 | 33.8 | -24.3 | .61 | 50.07 | 54 | -3.93 | - | - | 111 | 253 | V |
| 9.848 | 31.18 | PK2 | 37 | -17.9 | 0 | 50.28 | - | - | 74 | -23.72 | 355 | 144 | V |

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

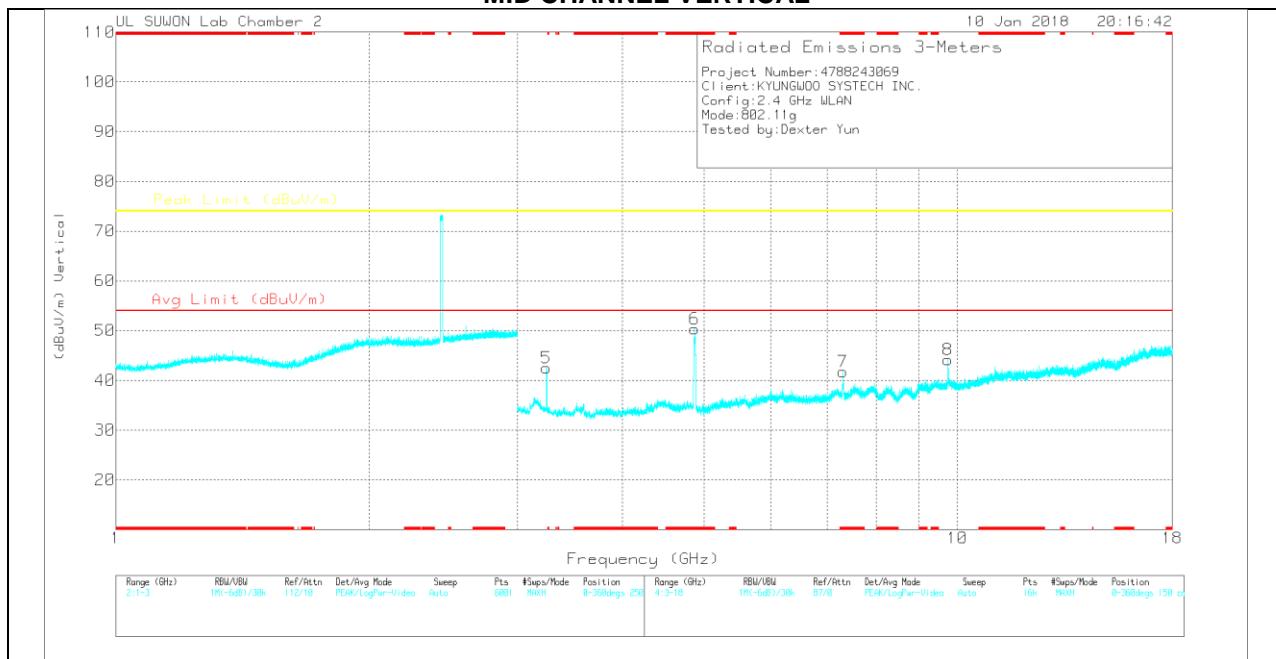
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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 | 170531_3117[00168724] | 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 | 3.248 | 35.17 | Pk | 32.7 | -25.9 | 0 | 41.97 | - | - | 74 | -32.03 | 0-360 | 250 | H |
| 2 | *4.869 | 43.38 | Pk | 33.8 | -24.5 | 0 | 52.68 | - | - | 74 | -21.32 | 0-360 | 250 | H |
| 3 | *7.309 | 28.15 | Pk | 35.9 | -22 | 0 | 42.05 | - | - | 74 | -31.95 | 0-360 | 250 | H |
| 4 | 9.748 | 25.8 | Pk | 36.9 | -18.1 | 0 | 44.6 | - | - | 74 | -29.4 | 0-360 | 150 | H |
| 5 | 3.248 | 35.66 | Pk | 32.7 | -25.9 | 0 | 42.46 | - | - | 74 | -31.54 | 0-360 | 150 | V |
| 6 | *4.872 | 41.07 | Pk | 33.8 | -24.5 | 0 | 50.37 | - | - | 74 | -23.63 | 0-360 | 250 | V |
| 7 | *7.311 | 27.84 | Pk | 35.9 | -22 | 0 | 41.74 | - | - | 74 | -32.26 | 0-360 | 250 | V |
| 8 | 9.748 | 25.37 | Pk | 36.9 | -18.1 | 0 | 44.17 | - | - | 74 | -29.83 | 0-360 | 250 | V |

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

PK – Peak detector

Radiated Emissions

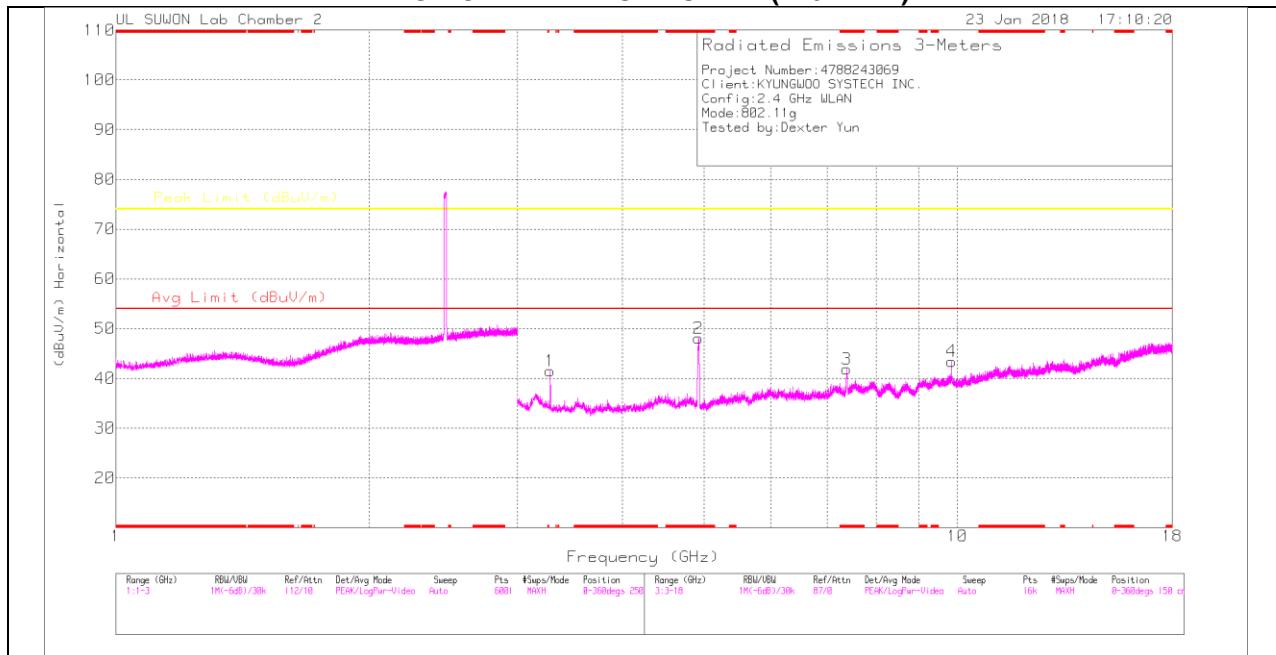
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.87 | 53.9 | PK2 | 33.8 | -24.5 | 0 | 63.2 | - | - | 74 | -10.8 | 145 | 100 | H |
| * 4.873 | 40.05 | MAv1 | 33.8 | -24.5 | .61 | 49.96 | 54 | -4.04 | - | - | 145 | 100 | H |
| * 7.301 | 37.31 | PK2 | 35.9 | -22 | 0 | 51.21 | - | - | 74 | -22.79 | 157 | 103 | H |
| * 7.311 | 24.95 | MAv1 | 35.9 | -22 | .61 | 39.46 | 54 | -14.54 | - | - | 157 | 103 | H |
| * 4.87 | 50.13 | PK2 | 33.8 | -24.5 | 0 | 59.43 | - | - | 74 | -14.57 | 109 | 262 | V |
| * 4.873 | 36.34 | MAv1 | 33.8 | -24.5 | .61 | 46.25 | 54 | -7.75 | - | - | 109 | 262 | V |
| * 7.309 | 36.58 | PK2 | 35.9 | -22 | 0 | 50.48 | - | - | 74 | -23.52 | 239 | 150 | V |
| * 7.31 | 24.19 | MAv1 | 35.9 | -22 | .61 | 38.7 | 54 | -15.3 | - | - | 239 | 150 | V |

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

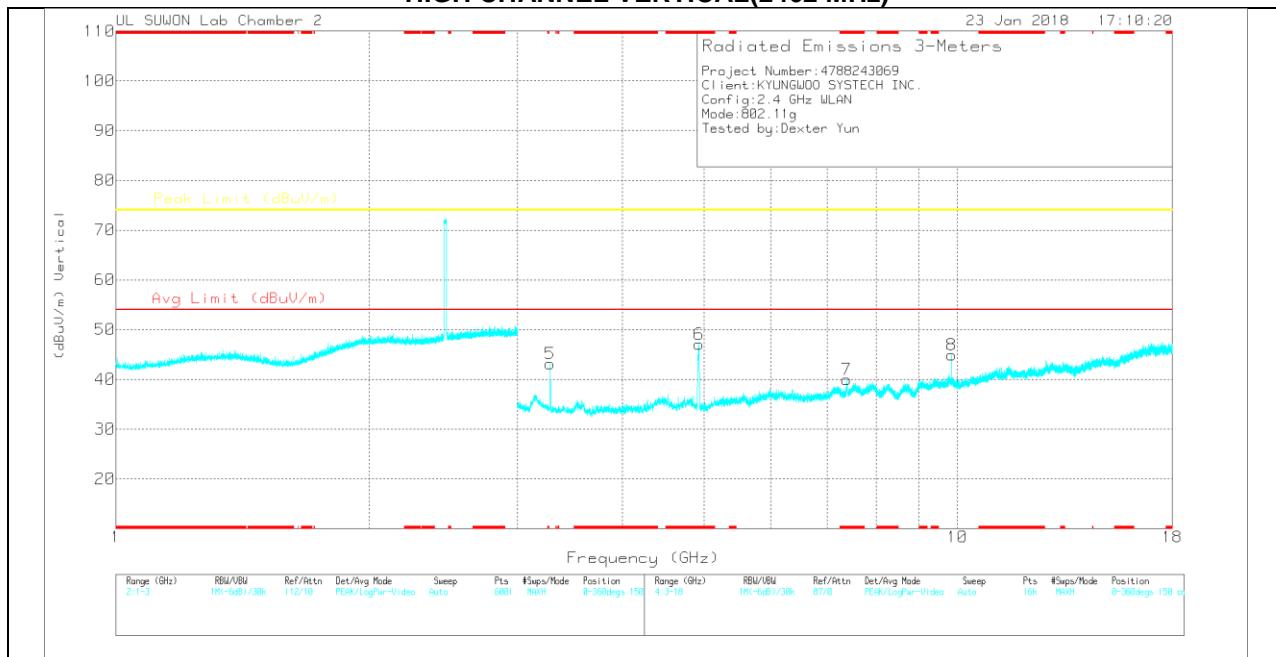
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2462 MHz)



HIGH CHANNEL VERTICAL(2462 MHz)



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(2462 MHz)

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 | 3.282 | 34.77 | Pk | 32.6 | -25.9 | 0 | 41.47 | - | - | 74 | -32.53 | 0-360 | 250 | H |
| 2 | * 4.923 | 39.01 | Pk | 33.8 | -24.7 | 0 | 48.11 | - | - | 74 | -25.89 | 0-360 | 250 | H |
| 3 | * 7.381 | 27.46 | Pk | 35.9 | -21.5 | 0 | 41.86 | - | - | 74 | -32.14 | 0-360 | 250 | H |
| 4 | 9.848 | 24.36 | Pk | 37 | -17.9 | 0 | 43.46 | - | - | 74 | -30.54 | 0-360 | 150 | H |
| 5 | 3.282 | 36.4 | Pk | 32.6 | -25.9 | 0 | 43.1 | - | - | 74 | -30.9 | 0-360 | 150 | V |
| 6 | * 4.927 | 37.92 | Pk | 33.8 | -24.7 | 0 | 47.02 | - | - | 74 | -26.98 | 0-360 | 250 | V |
| 7 | * 7.383 | 25.51 | Pk | 35.9 | -21.4 | 0 | 40.01 | - | - | 74 | -33.99 | 0-360 | 250 | V |
| 8 | 9.848 | 25.84 | Pk | 37 | -17.9 | 0 | 44.94 | - | - | 74 | -29.06 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.921 | 49.75 | PK2 | 33.8 | -24.7 | 0 | 58.85 | - | - | 74 | -15.15 | 158 | 316 | H |
| * 4.924 | 36.03 | MAv1 | 33.8 | -24.7 | .61 | 45.74 | 54 | -8.26 | - | - | 158 | 316 | H |
| * 7.391 | 36.45 | PK2 | 35.9 | -21.3 | 0 | 51.05 | - | - | 74 | -22.95 | 346 | 117 | H |
| * 7.388 | 24.38 | MAv1 | 35.9 | -21.4 | .61 | 39.49 | 54 | -14.51 | - | - | 346 | 117 | H |
| * 4.921 | 49.3 | PK2 | 33.8 | -24.7 | 0 | 58.4 | - | - | 74 | -15.6 | 153 | 400 | V |
| * 4.924 | 35.67 | MAv1 | 33.8 | -24.7 | .61 | 45.38 | 54 | -8.62 | - | - | 153 | 400 | V |
| * 7.389 | 34.71 | PK2 | 35.9 | -21.4 | 0 | 49.21 | - | - | 74 | -24.79 | 280 | 111 | V |
| * 7.385 | 22.52 | MAv1 | 35.9 | -21.4 | .61 | 37.63 | 54 | -16.37 | - | - | 280 | 111 | V |

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

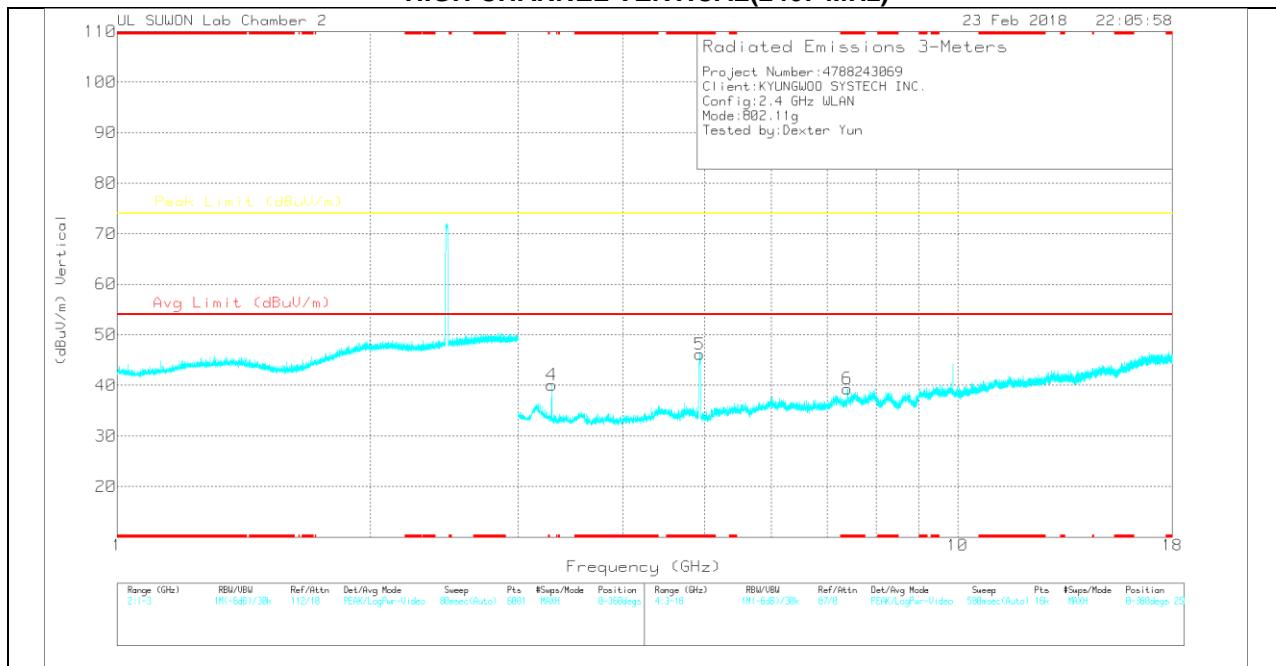
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2467 MHz)



HIGH CHANNEL VERTICAL(2467 MHz)



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(2467 MHz)

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 | 3.289 | 34.95 | Avg | 32.5 | -25.9 | 0 | 41.55 | - | - | 74 | -32.45 | 0-360 | 150 | H |
| 2 | * 4.932 | 36.5 | Avg | 33.8 | -24.7 | 0 | 45.6 | - | - | 74 | -28.4 | 0-360 | 250 | H |
| 3 | * 7.394 | 25.61 | Avg | 35.9 | -21.3 | 0 | 40.21 | - | - | 74 | -33.79 | 0-360 | 250 | H |
| 4 | 3.289 | 33.48 | Avg | 32.5 | -25.9 | 0 | 40.08 | - | - | 74 | -33.92 | 0-360 | 250 | V |
| 5 | * 4.93 | 37.02 | Avg | 33.8 | -24.7 | 0 | 46.12 | - | - | 74 | -27.88 | 0-360 | 250 | V |
| 6 | * 7.396 | 24.75 | Avg | 35.9 | -21.3 | 0 | 39.35 | - | - | 74 | -34.65 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

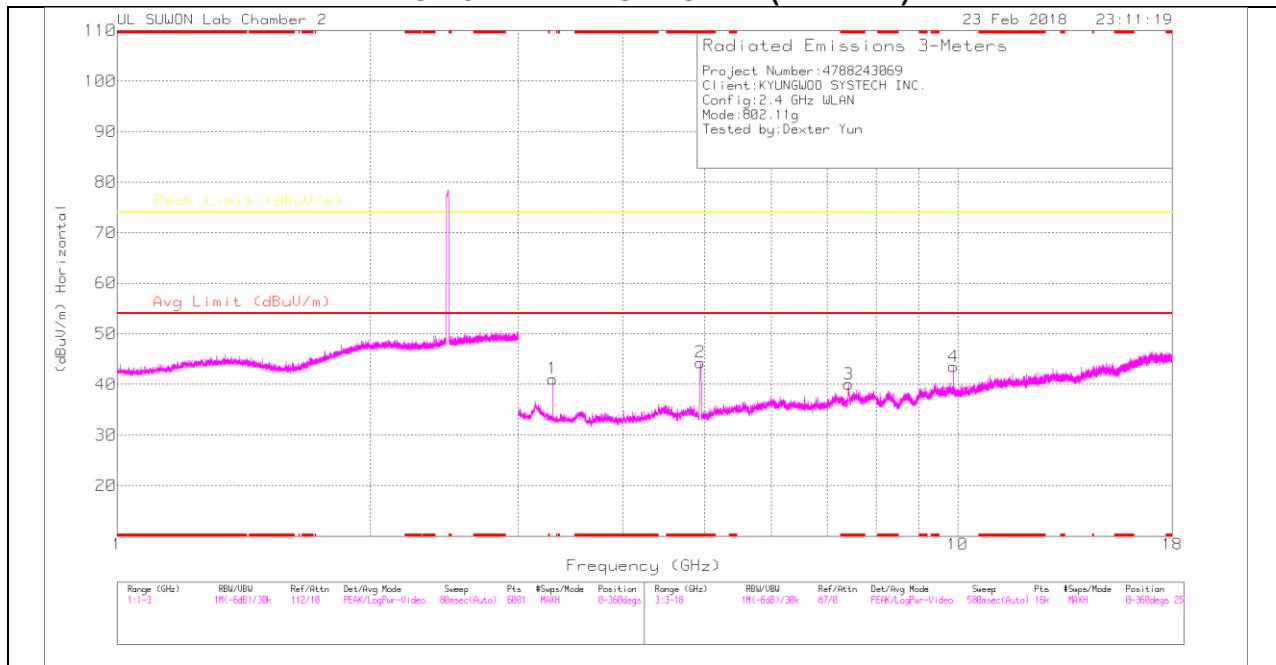
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.931 | 47.37 | PK2 | 33.8 | -24.7 | 0 | 56.47 | - | - | 74 | -17.53 | 126 | 116 | H |
| * 4.934 | 33.83 | MAv1 | 33.8 | -24.7 | .61 | 43.54 | 54 | -10.46 | - | - | 126 | 116 | H |
| * 7.396 | 34.82 | PK2 | 35.9 | -21.3 | 0 | 49.42 | - | - | 74 | -24.58 | 102 | 229 | H |
| * 7.4 | 22.8 | MAv1 | 35.9 | -21.3 | .61 | 38.01 | 54 | -15.99 | - | - | 102 | 229 | H |
| * 4.931 | 47.48 | PK2 | 33.8 | -24.7 | 0 | 56.58 | - | - | 74 | -17.42 | 205 | 147 | V |
| * 4.933 | 33.53 | MAv1 | 33.8 | -24.7 | .61 | 43.24 | 54 | -10.76 | - | - | 205 | 147 | V |
| * 7.4 | 35.28 | PK2 | 35.9 | -21.3 | 0 | 49.88 | - | - | 74 | -24.12 | 244 | 109 | V |
| * 7.4 | 22.81 | MAv1 | 35.9 | -21.3 | .61 | 38.02 | 54 | -15.98 | - | - | 244 | 109 | V |

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

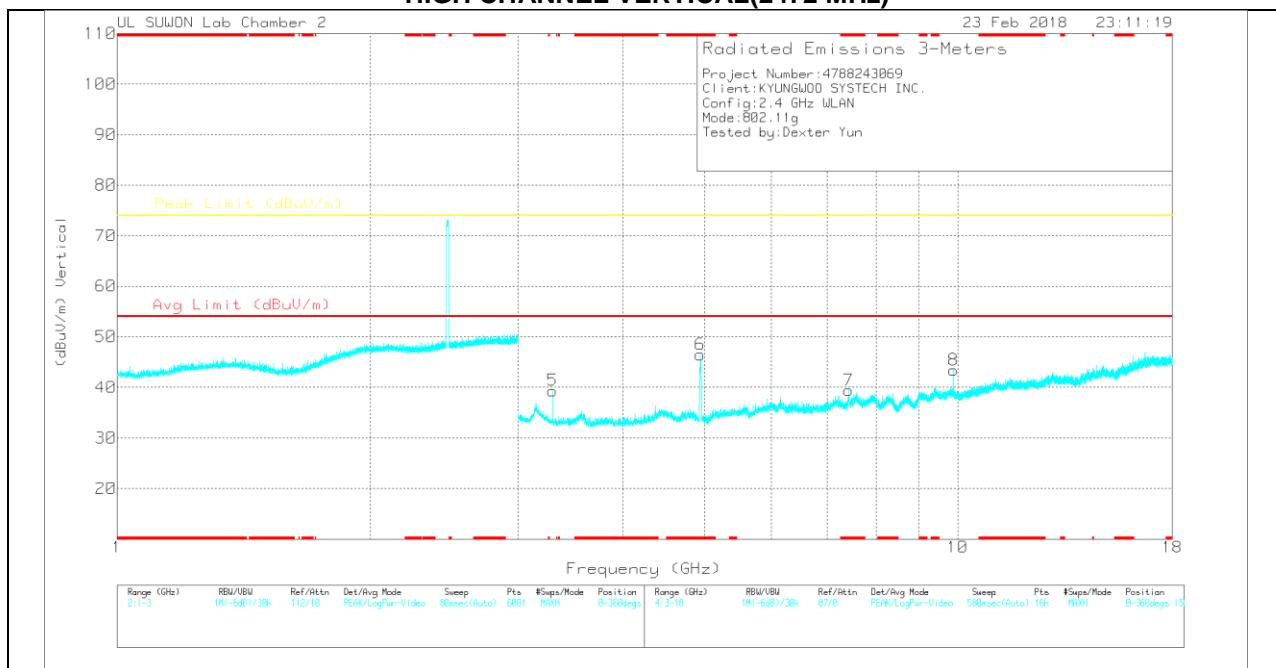
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2472 MHz)



HIGH CHANNEL VERTICAL(2472 MHz)



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(2472 MHz)

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 | 3.295 | 34.5 | Avg | 32.5 | -25.9 | 0 | 41.1 | - | - | 74 | -32.9 | 0-360 | 150 | H |
| 2 | * 4.941 | 35.33 | Avg | 33.8 | -24.8 | 0 | 44.33 | - | - | 74 | -29.67 | 0-360 | 150 | H |
| 3 | * 7.416 | 25.31 | Avg | 35.9 | -21.2 | 0 | 40.01 | - | - | 74 | -33.99 | 0-360 | 250 | H |
| 4 | 9.887 | 24.43 | Avg | 37.1 | -18 | 0 | 43.53 | - | - | 74 | -30.47 | 0-360 | 150 | H |
| 5 | 3.295 | 32.76 | Avg | 32.5 | -25.9 | 0 | 39.36 | - | - | 74 | -34.64 | 0-360 | 250 | V |
| 6 | * 4.94 | 37.47 | Avg | 33.8 | -24.8 | 0 | 46.47 | - | - | 74 | -27.53 | 0-360 | 250 | V |
| 7 | * 7.417 | 24.71 | Avg | 35.9 | -21.2 | 0 | 39.41 | - | - | 74 | -34.59 | 0-360 | 150 | V |
| 8 | 9.887 | 24.32 | Avg | 37.1 | -18 | 0 | 43.42 | - | - | 74 | -30.58 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.941 | 46.38 | PK2 | 33.8 | -24.8 | 0 | 55.38 | - | - | 74 | -18.62 | 132 | 109 | H |
| * 4.944 | 32.71 | MAv1 | 33.8 | -24.7 | .61 | 42.42 | 54 | -11.58 | - | - | 132 | 109 | H |
| * 7.419 | 34.49 | PK2 | 35.9 | -21.2 | 0 | 49.19 | - | - | 74 | -24.81 | 106 | 239 | H |
| * 7.415 | 22.28 | MAv1 | 35.9 | -21.2 | .61 | 37.59 | 54 | -16.41 | - | - | 106 | 239 | H |
| * 4.941 | 47.13 | PK2 | 33.8 | -24.8 | 0 | 56.13 | - | - | 74 | -17.87 | 212 | 134 | V |
| * 4.943 | 33.1 | MAv1 | 33.8 | -24.7 | .61 | 42.81 | 54 | -11.19 | - | - | 212 | 134 | V |
| * 7.425 | 33.76 | PK2 | 35.9 | -21.1 | 0 | 48.56 | - | - | 74 | -25.44 | 247 | 115 | V |
| * 7.415 | 21.47 | MAv1 | 35.9 | -21.2 | .61 | 36.78 | 54 | -17.22 | - | - | 247 | 115 | V |

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

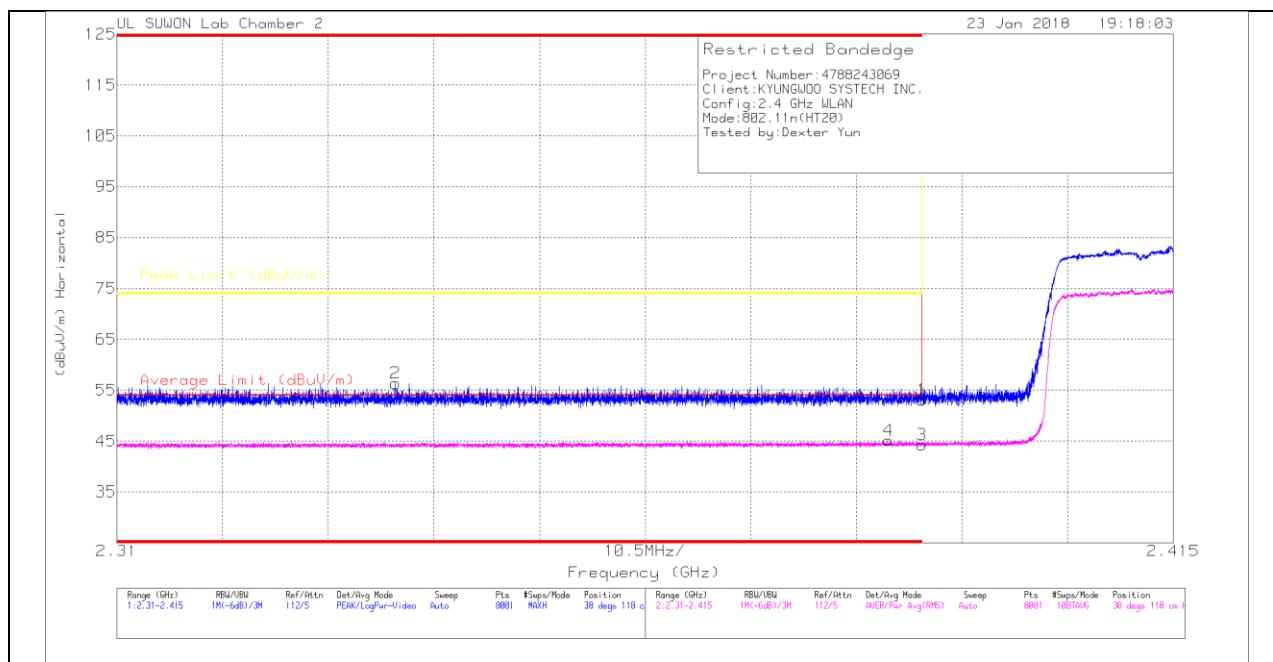
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

10.2.3.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

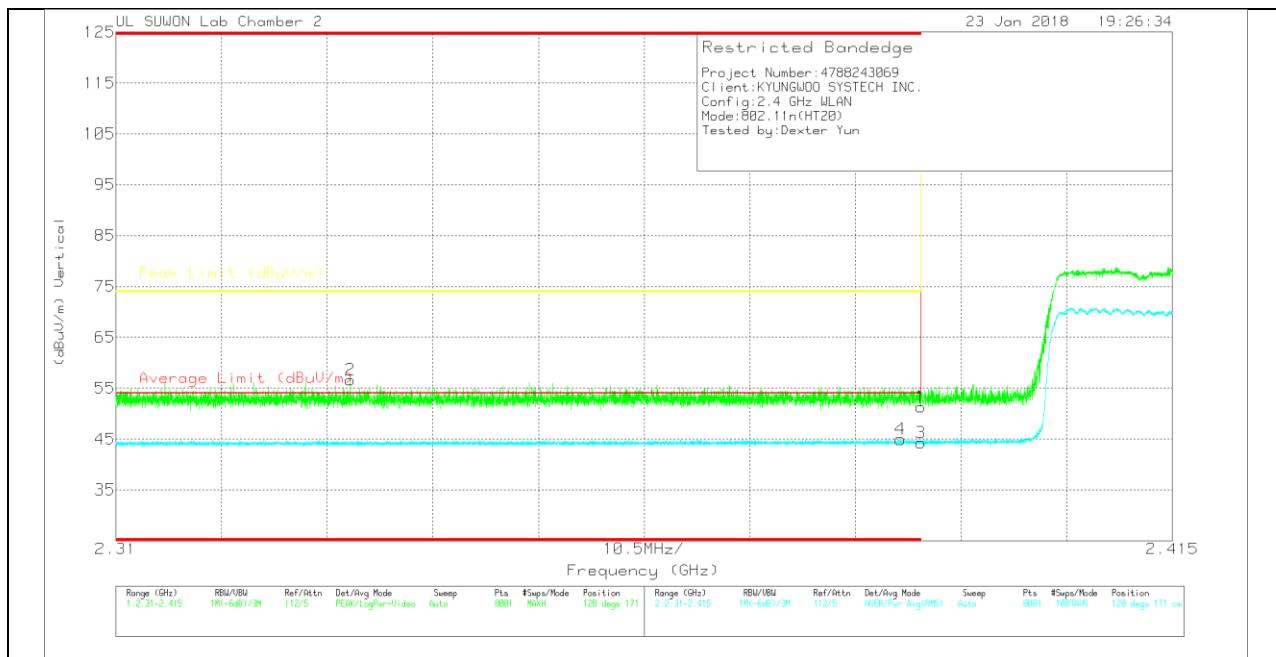
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 40 | Pk | 31.3 | -18.2 | 0 | 53.1 | - | - | 74 | -20.9 | 38 | 118 | H |
| 2 | * 2.338 | 43.43 | Pk | 31.2 | -18.3 | 0 | 56.33 | - | - | 74 | -17.67 | 38 | 118 | H |
| 3 | * 2.39 | 30.41 | RMS | 31.3 | -18.2 | .63 | 44.14 | 54 | -9.86 | - | - | 38 | 118 | H |
| 4 | * 2.387 | 31.34 | RMS | 31.3 | -18.2 | .63 | 45.07 | 54 | -8.93 | - | - | 38 | 118 | 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 (dBmV) | Det | 170531_3117[00168724] | 10dB[dB] | DC Corr (dB) | Corrected Reading (dBmV/m) | Average Limit (dBmV/m) | Margin (dB) | Peak Limit (dBmV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.39 | 38.17 | Pk | 31.3 | -18.2 | 0 | 51.27 | - | - | 74 | -22.73 | 128 | 171 | V |
| 2 | *2.333 | 43.83 | Pk | 31.2 | -18.4 | 0 | 56.63 | - | - | 74 | -17.37 | 128 | 171 | V |
| 3 | *2.39 | 30.51 | RMS | 31.3 | -18.2 | .63 | 44.24 | 54 | -9.76 | - | - | 128 | 171 | V |
| 4 | *2.388 | 31.15 | RMS | 31.3 | -18.2 | .63 | 44.88 | 54 | -9.12 | - | - | 128 | 171 | V |

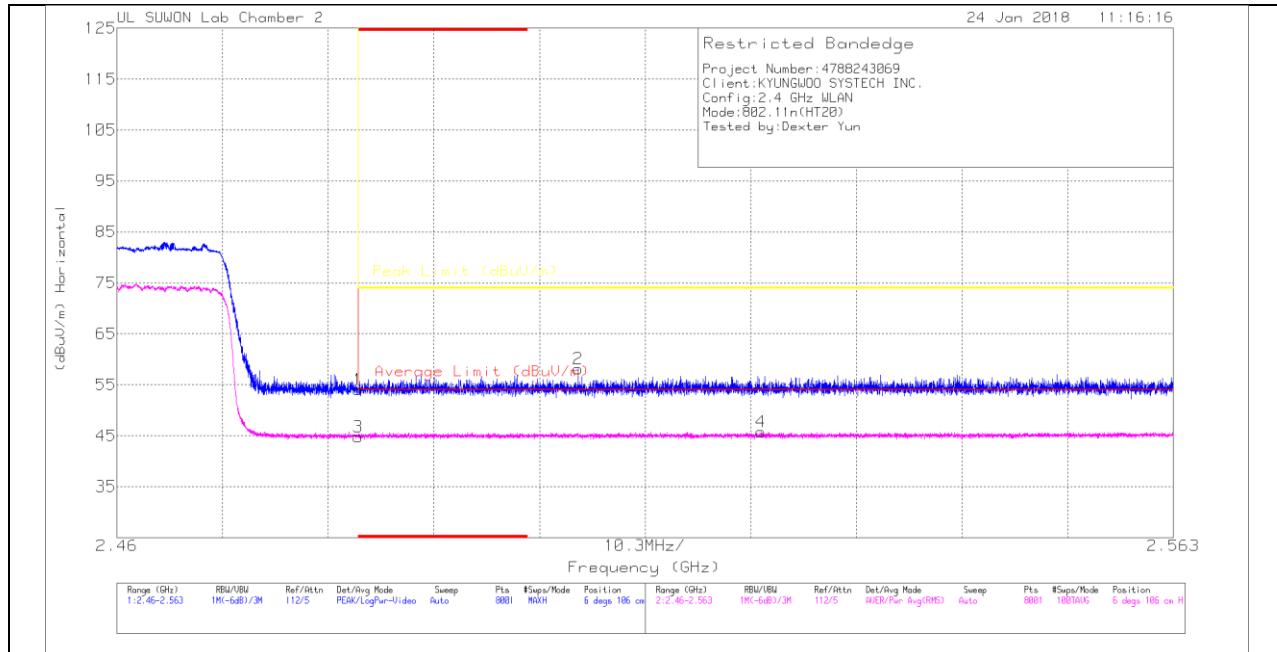
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2462 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

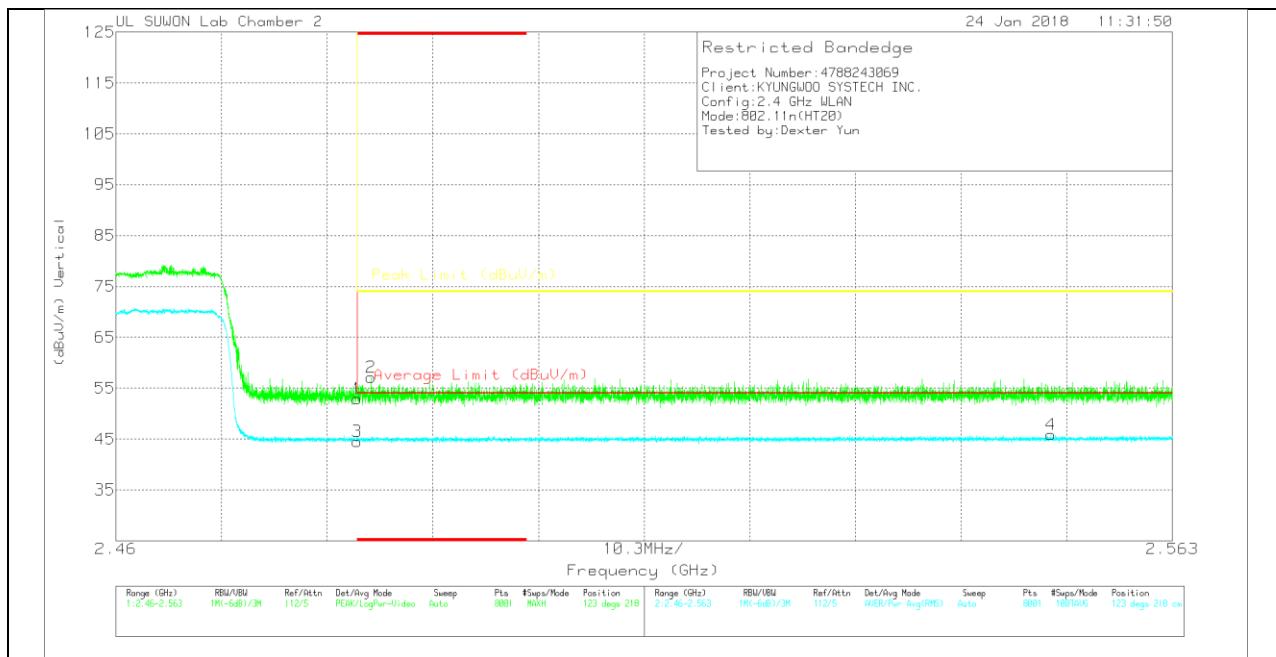
| Marker | Frequency (GHz) | Meter Reading (dBm) | Dte | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBm/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|---------------------|-----|-----------------------|----------|--------------|---------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 40.45 | Pk | 31.6 | -18 | 0 | 54.05 | - | - | 74 | -19.95 | 6 | 106 | H |
| 2 | 2.505 | 44.47 | Pk | 31.6 | -18 | 0 | 58.07 | - | - | 74 | -15.93 | 6 | 106 | H |
| 3 | *2.484 | 30.48 | RMS | 31.6 | -18 | .63 | 44.71 | 54 | -9.29 | - | - | 6 | 106 | H |
| 4 | 2.523 | 31.44 | RMS | 31.6 | -18 | .63 | 45.67 | 54 | -8.33 | - | - | 6 | 106 | 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 | 170531_3117[00168724] | 10dB[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 39.28 | Pk | 31.6 | -18 | 0 | 52.88 | - | - | 74 | -21.12 | 123 | 218 | V |
| 2 | *2.485 | 43.54 | Pk | 31.6 | -18 | 0 | 57.14 | - | - | 74 | -16.86 | 123 | 218 | V |
| 3 | *2.484 | 30.25 | RMS | 31.6 | -18 | .63 | 44.48 | 54 | -9.52 | - | - | 123 | 218 | V |
| 4 | 2.551 | 31.49 | RMS | 31.7 | -18 | .63 | 45.82 | 54 | -8.18 | - | - | 123 | 218 | V |

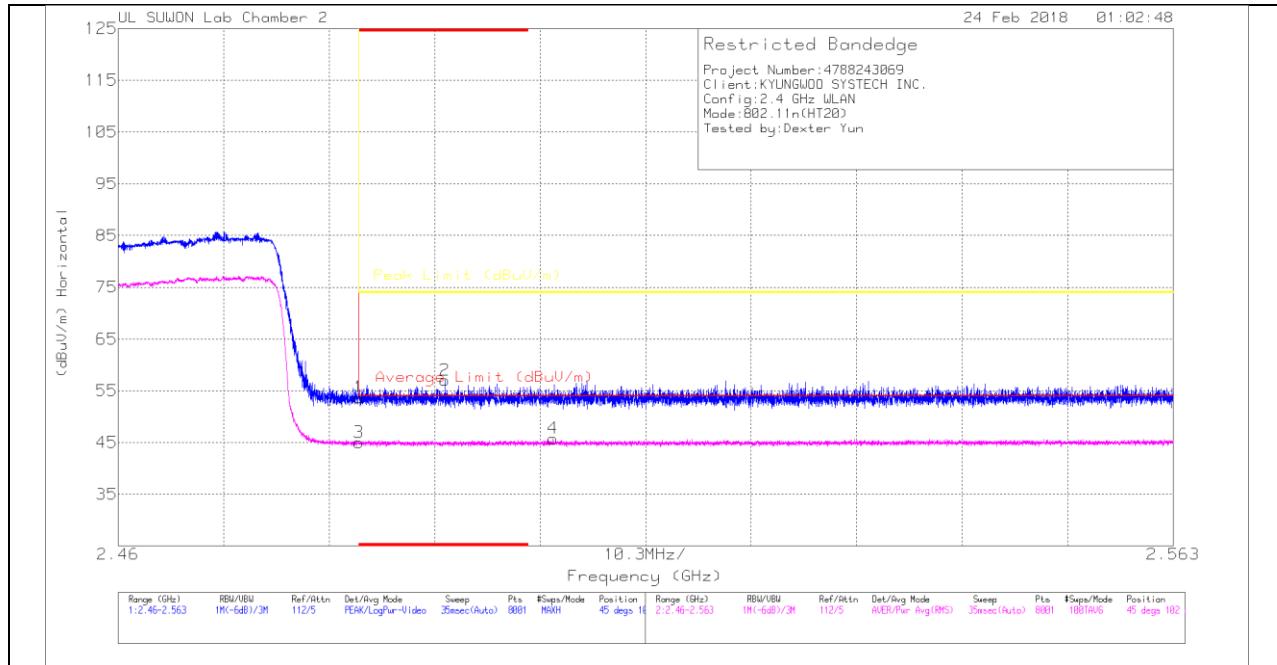
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2467 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

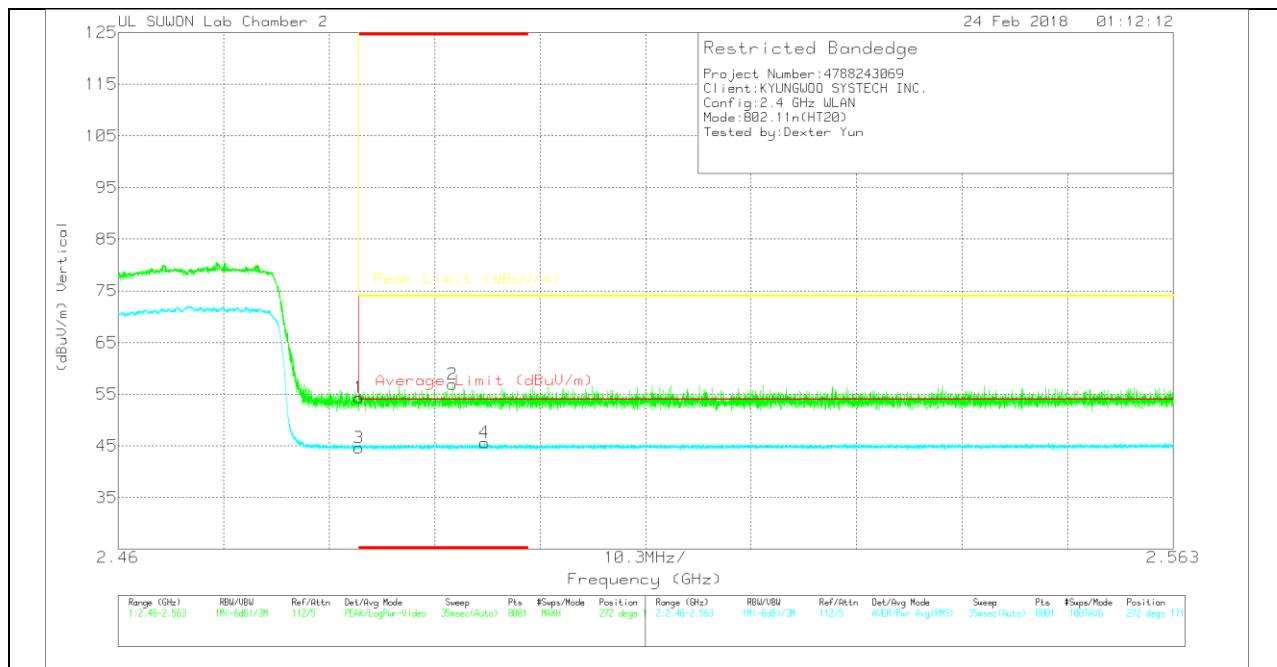
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 40.1 | Pk | 31.6 | -18 | 0 | 53.7 | - | - | 74 | -20.3 | 45 | 102 | H |
| 2 | * 2.492 | 43.46 | Pk | 31.6 | -18 | 0 | 57.06 | - | - | 74 | -16.94 | 45 | 102 | H |
| 3 | * 2.484 | 30.8 | RMS | 31.6 | -18 | .63 | 45.03 | 54 | -8.97 | - | - | 45 | 102 | H |
| 4 | 2.502 | 31.56 | RMS | 31.6 | -18 | .63 | 45.79 | 54 | -8.21 | - | - | 45 | 102 | 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 | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 40.79 | Pk | 31.6 | -18 | 0 | 54.39 | - | - | 74 | -19.61 | 272 | 171 | V |
| 2 | *2.493 | 43.3 | Pk | 31.6 | -18 | 0 | 56.9 | - | - | 74 | -17.1 | 272 | 171 | V |
| 3 | *2.484 | 30.4 | RMS | 31.6 | -18 | .63 | 44.63 | 54 | -9.37 | - | - | 272 | 171 | V |
| 4 | *2.496 | 31.41 | RMS | 31.6 | -18 | .63 | 45.64 | 54 | -8.36 | - | - | 272 | 171 | V |

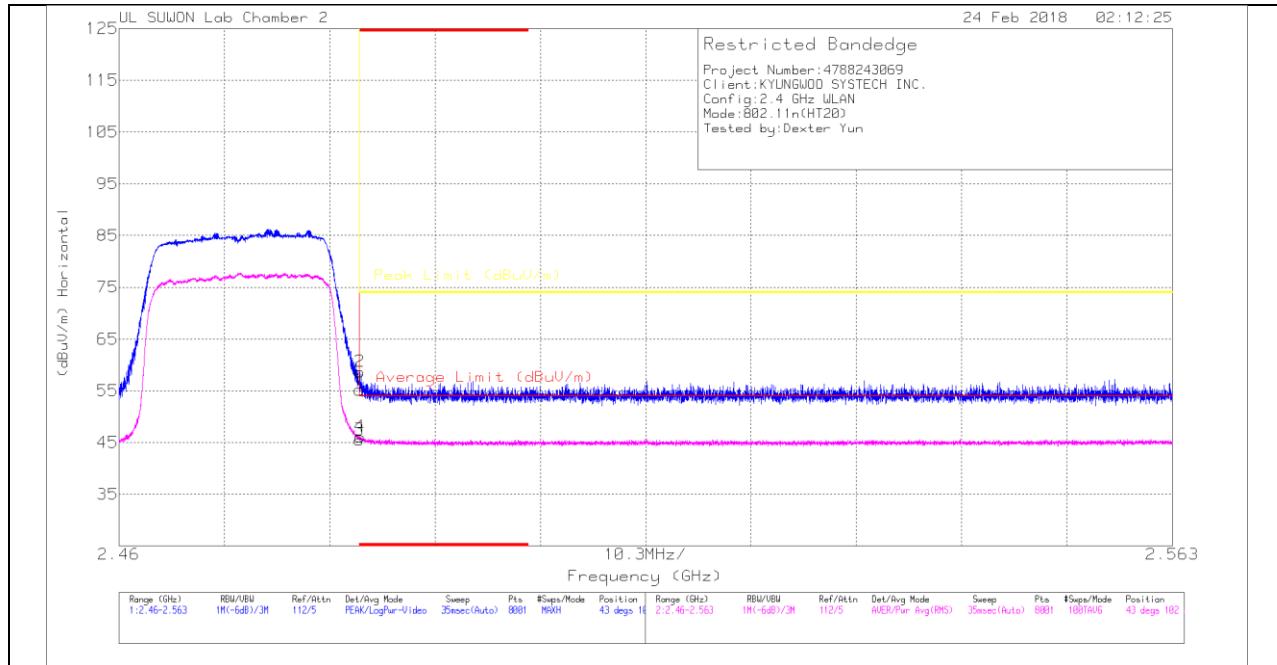
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (HIGH CHANNEL – 2472 MHz)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

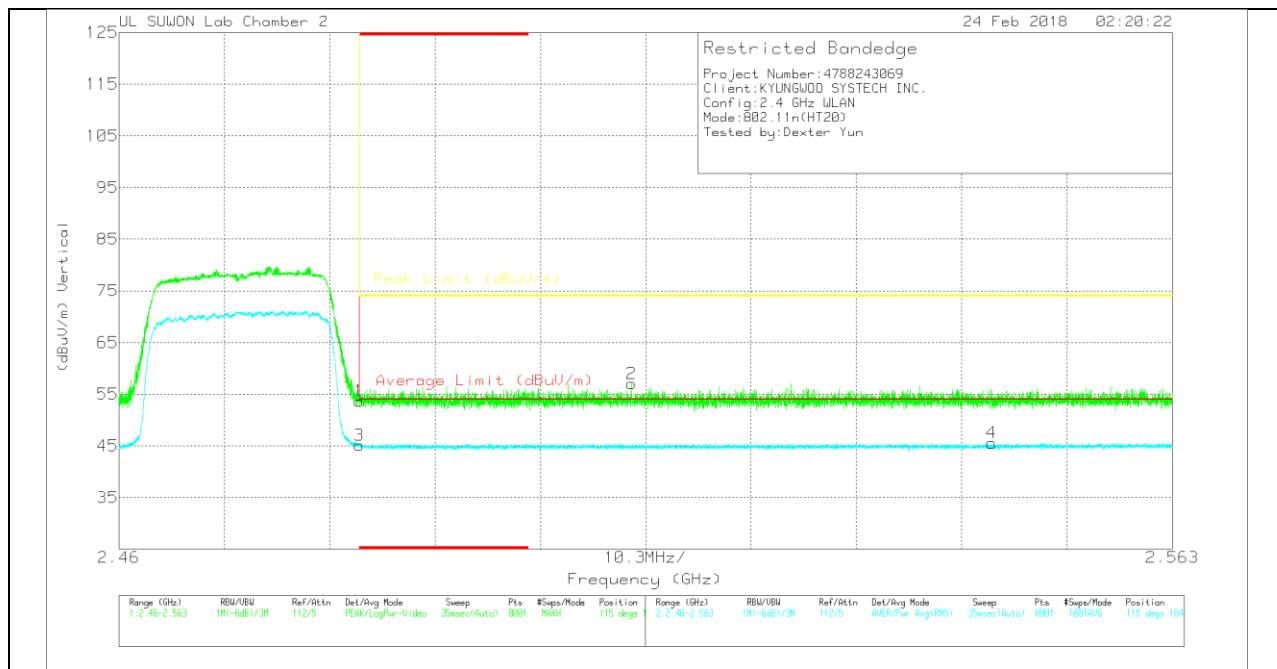
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 41.59 | Pk | 31.6 | -18 | 0 | 55.19 | - | - | 74 | -18.81 | 43 | 102 | H |
| 2 | * 2.484 | 45.1 | Pk | 31.6 | -18 | 0 | 58.7 | - | - | 74 | -15.3 | 43 | 102 | H |
| 3 | * 2.484 | 31.3 | RMS | 31.6 | -18 | .63 | 45.53 | 54 | -8.47 | - | - | 43 | 102 | H |
| 4 | * 2.484 | 31.93 | RMS | 31.6 | -18 | .63 | 46.16 | 54 | -7.84 | - | - | 43 | 102 | 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 (dBmV) | Det | 170531_3117[00168724] | 10dB[dB] | DC Corr (dB) | Corrected Reading (dBmV/m) | Average Limit (dBmV/m) | Margin (dB) | Peak Limit (dBmV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *2.484 | 40.07 | Pk | 31.6 | -18 | 0 | 53.67 | - | - | 74 | -20.33 | 115 | 104 | V |
| 2 | *2.51 | 43.44 | Pk | 31.6 | -18 | 0 | 57.04 | - | - | 74 | -16.96 | 115 | 104 | V |
| 3 | *2.484 | 30.89 | RMS | 31.6 | -18 | .63 | 45.12 | 54 | -8.88 | - | - | 115 | 104 | V |
| 4 | 2.545 | 31.24 | RMS | 31.7 | -18 | .63 | 45.57 | 54 | -8.43 | - | - | 115 | 104 | V |

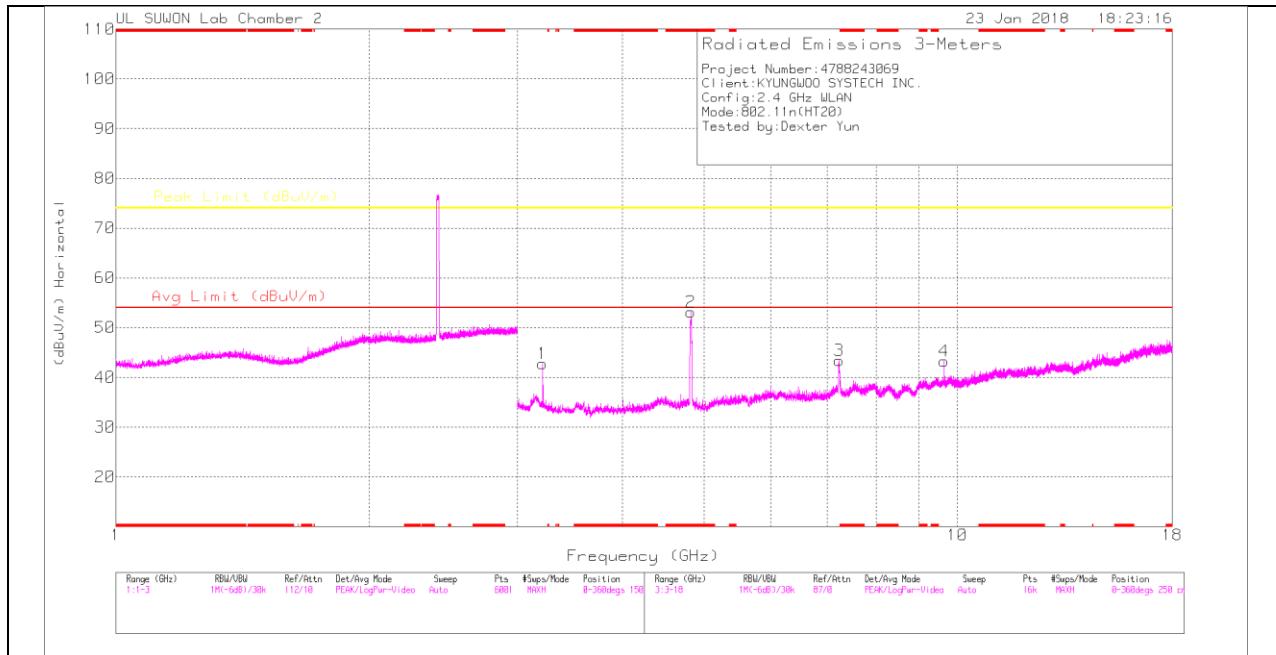
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

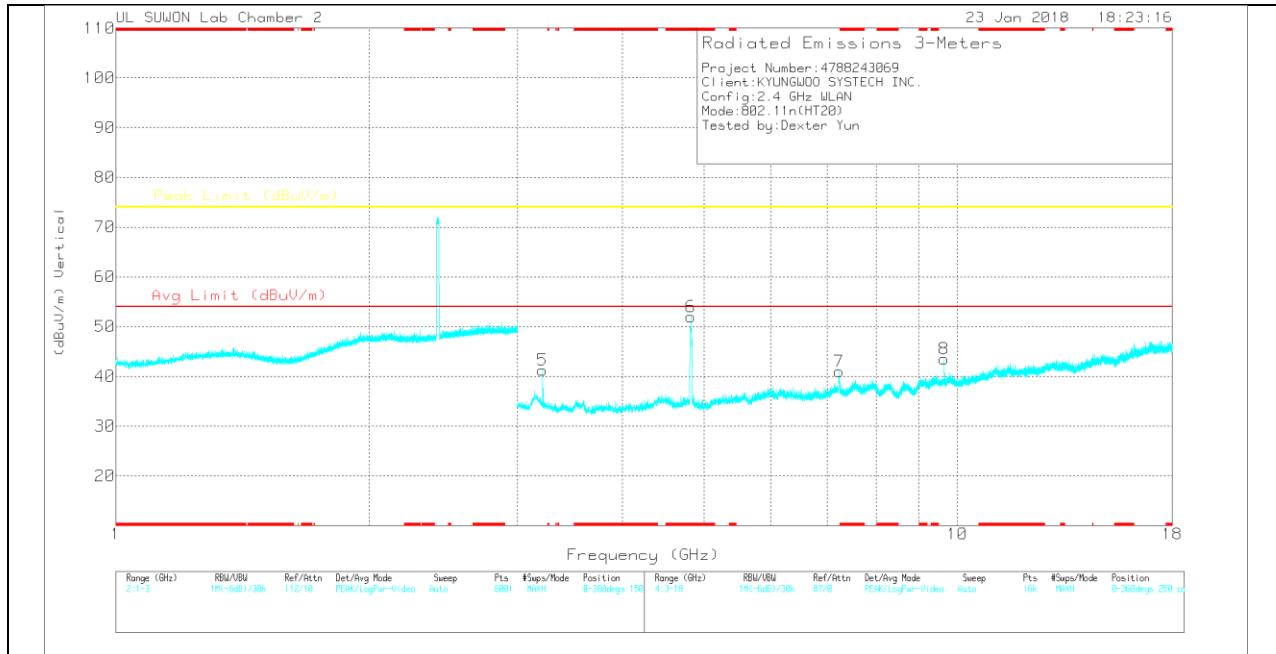
RMS - RMS detection

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 | 170531_3117[00168724] | 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 | 3.216 | 35.35 | PK | 33.2 | -25.8 | 0 | 42.75 | - | - | 74 | -31.25 | 0-360 | 150 | H |
| 2 | * 4.821 | 43.66 | PK | 33.8 | -24.3 | 0 | 53.16 | - | - | 74 | -20.84 | 0-360 | 250 | H |
| 3 | 7.237 | 29.55 | PK | 35.9 | -22 | 0 | 43.45 | - | - | 74 | -30.55 | 0-360 | 250 | H |
| 4 | 9.647 | 24.75 | PK | 36.8 | -18.3 | 0 | 43.25 | - | - | 74 | -30.75 | 0-360 | 150 | H |
| 5 | 3.216 | 33.8 | PK | 33.2 | -25.8 | 0 | 41.2 | - | - | 74 | -32.8 | 0-360 | 250 | V |
| 6 | * 4.823 | 42.45 | PK | 33.8 | -24.3 | 0 | 51.95 | - | - | 74 | -22.05 | 0-360 | 250 | V |
| 7 | 7.239 | 27.15 | PK | 35.9 | -22 | 0 | 41.05 | - | - | 74 | -32.95 | 0-360 | 150 | V |
| 8 | 9.647 | 25.06 | PK | 36.8 | -18.3 | 0 | 43.96 | - | - | 74 | -30.44 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

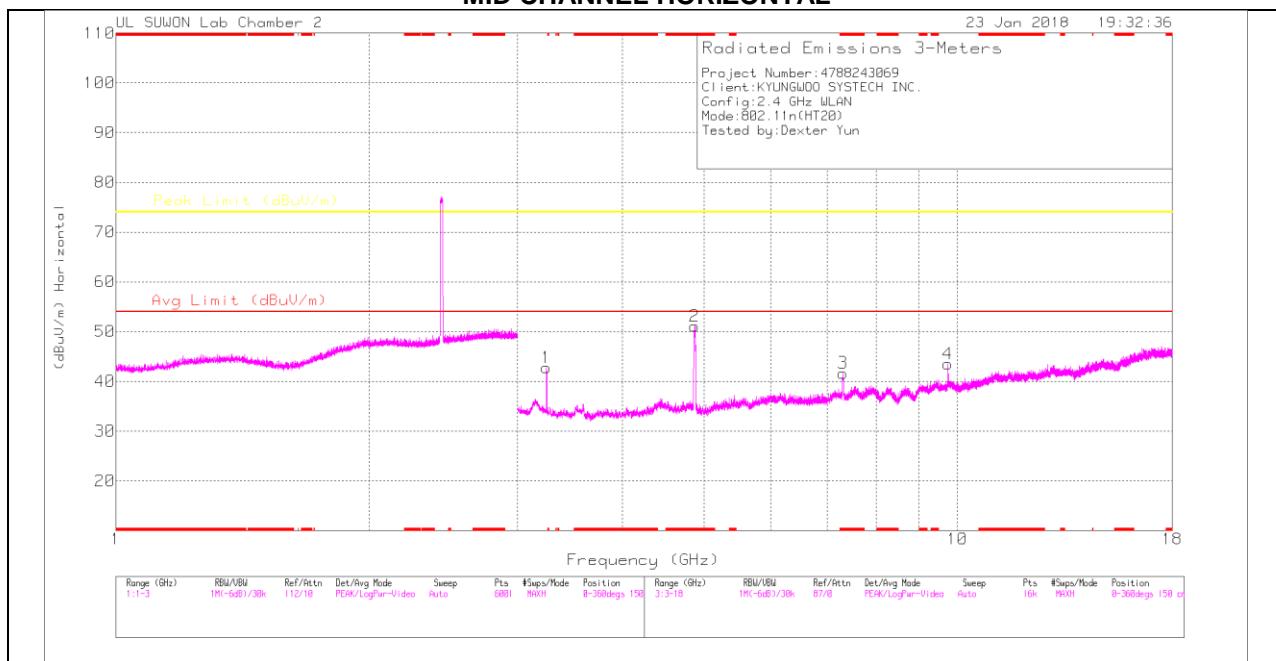
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.826 | 52.45 | PK2 | 33.8 | -24.3 | 0 | 61.95 | - | - | 74 | -12.05 | 147 | 123 | H |
| * 4.823 | 40.17 | MAv1 | 33.8 | -24.3 | .63 | 50.3 | 54 | -3.7 | - | - | 147 | 123 | H |
| * 7.301 | 37.31 | PK2 | 35.9 | -22 | 0 | 51.21 | - | - | 74 | -22.79 | 157 | 103 | H |
| * 7.311 | 24.95 | MAv1 | 35.9 | -22 | .63 | 39.48 | 54 | -14.52 | - | - | 157 | 103 | H |
| * 4.826 | 49.57 | PK2 | 33.8 | -24.3 | 0 | 59.07 | - | - | 74 | -14.93 | 122 | 252 | V |
| * 4.822 | 37.09 | MAv1 | 33.8 | -24.3 | .63 | 47.22 | 54 | -6.78 | - | - | 122 | 252 | V |
| * 7.309 | 36.58 | PK2 | 35.9 | -22 | 0 | 50.48 | - | - | 74 | -23.52 | 239 | 150 | V |
| * 7.31 | 24.19 | MAv1 | 35.9 | -22 | .63 | 38.72 | 54 | -15.28 | - | - | 239 | 150 | V |

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

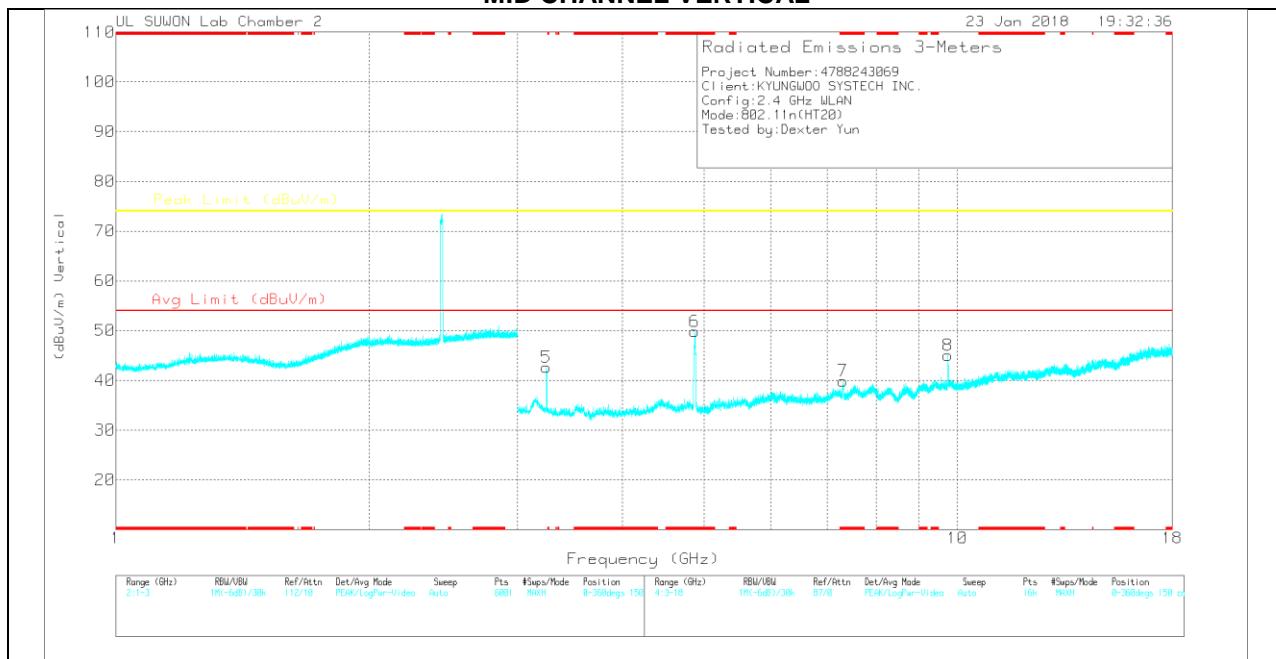
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

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 | 170531_3117[00168724] | 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 | 3.248 | 35.93 | PK | 32.7 | -25.9 | 0 | 42.73 | - | - | 74 | -31.27 | 0-360 | 150 | H |
| 2 | * 4.869 | 41.85 | PK | 33.8 | -24.5 | 0 | 51.15 | - | - | 74 | -22.85 | 0-360 | 150 | H |
| 3 | * 7.313 | 27.79 | PK | 35.9 | -22 | 0 | 41.69 | - | - | 74 | -32.31 | 0-360 | 150 | H |
| 4 | 9.748 | 24.68 | PK | 36.9 | -18.1 | 0 | 43.48 | - | - | 74 | -30.52 | 0-360 | 150 | H |
| 5 | 3.248 | 35.87 | PK | 32.7 | -25.9 | 0 | 42.67 | - | - | 74 | -31.33 | 0-360 | 150 | V |
| 6 | * 4.872 | 40.51 | PK | 33.8 | -24.5 | 0 | 49.81 | - | - | 74 | -24.19 | 0-360 | 250 | V |
| 7 | * 7.307 | 26.02 | PK | 35.9 | -22 | 0 | 39.92 | - | - | 74 | -34.08 | 0-360 | 250 | V |
| 8 | 9.748 | 26.19 | PK | 36.9 | -18.1 | 0 | 44.99 | - | - | 74 | -29.01 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

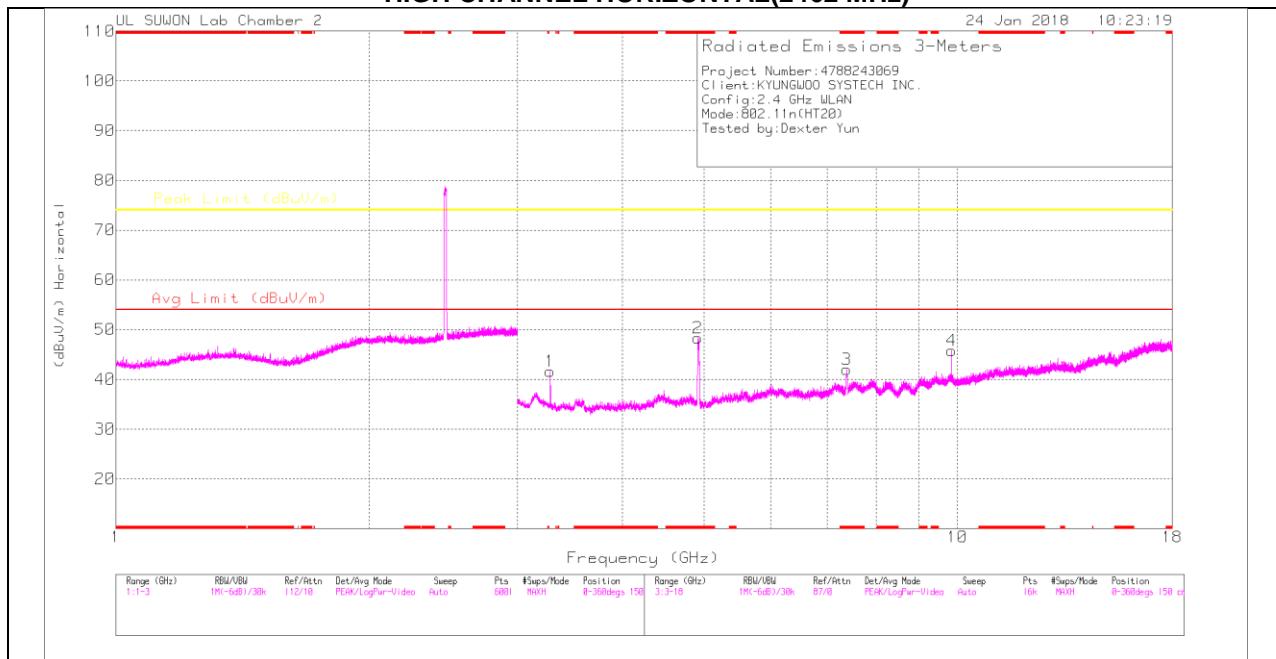
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.876 | 51.61 | PK2 | 33.8 | -24.5 | 0 | 60.91 | - | - | 74 | -13.09 | 154 | 286 | H |
| * 4.875 | 39.62 | MAv1 | 33.8 | -24.5 | .63 | 49.55 | 54 | -4.45 | - | - | 154 | 286 | H |
| * 7.312 | 36.5 | PK2 | 35.9 | -22 | 0 | 50.4 | - | - | 74 | -23.6 | 345 | 120 | H |
| * 7.313 | 24.49 | MAv1 | 35.9 | -22 | .63 | 39.02 | 54 | -14.98 | - | - | 345 | 120 | H |
| * 4.876 | 50.45 | PK2 | 33.8 | -24.5 | 0 | 59.75 | - | - | 74 | -14.25 | 148 | 303 | V |
| * 4.872 | 38.42 | MAv1 | 33.8 | -24.5 | .63 | 48.35 | 54 | -5.65 | - | - | 148 | 303 | V |
| * 7.312 | 35.84 | PK2 | 35.9 | -22 | 0 | 49.74 | - | - | 74 | -24.26 | 282 | 108 | V |
| * 7.313 | 23.47 | MAv1 | 35.9 | -22 | .63 | 38 | 54 | -16 | - | - | 282 | 108 | V |

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

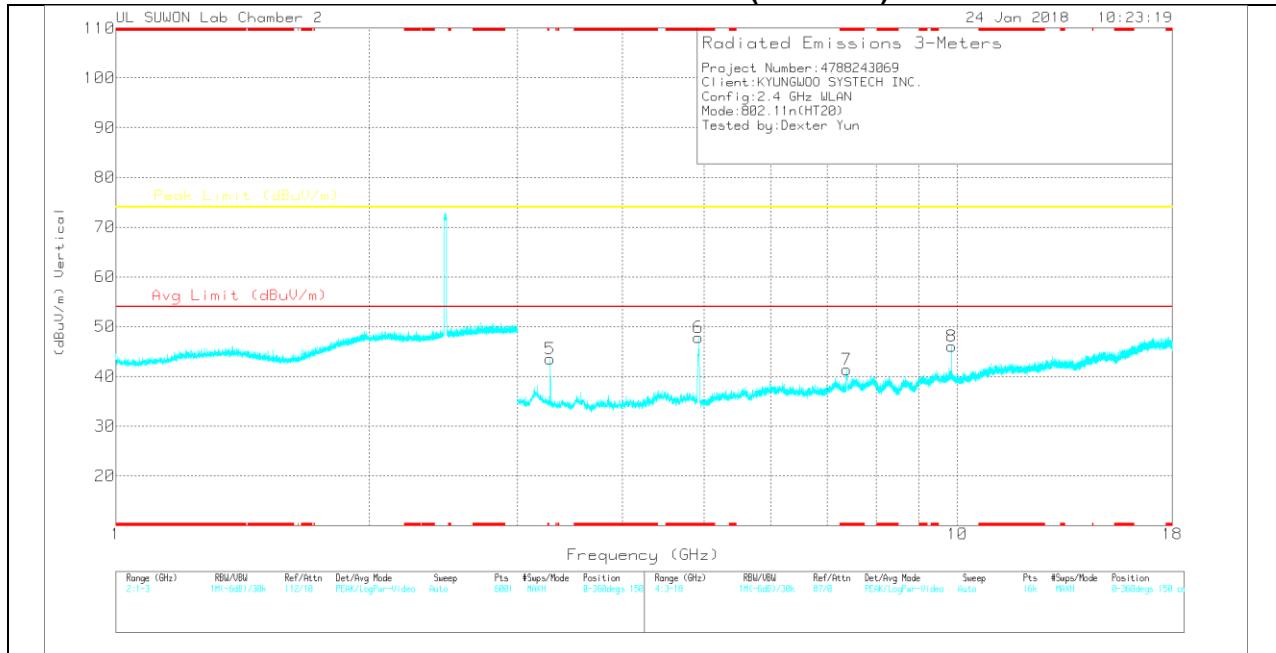
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2462 MHz)



HIGH CHANNEL VERTICAL(2462 MHz)



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(2462 MHz)

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 | 3.282 | 34.96 | PK | 32.6 | -25.9 | 0 | 41.66 | - | - | 74 | -32.34 | 0-360 | 150 | H |
| 2 | * 4.917 | 39.18 | PK | 33.8 | -24.7 | 0 | 48.28 | - | - | 74 | -25.72 | 0-360 | 150 | H |
| 3 | * 7.388 | 27.48 | PK | 35.9 | -21.4 | 0 | 41.98 | - | - | 74 | -32.02 | 0-360 | 150 | H |
| 4 | 9.848 | 26.71 | PK | 37 | -17.9 | 0 | 45.81 | - | - | 74 | -28.19 | 0-360 | 250 | H |
| 5 | 3.282 | 36.85 | PK | 32.6 | -25.9 | 0 | 43.55 | - | - | 74 | -30.45 | 0-360 | 250 | V |
| 6 | * 4.923 | 38.7 | PK | 33.8 | -24.7 | 0 | 47.8 | - | - | 74 | -26.2 | 0-360 | 250 | V |
| 7 | * 7.388 | 26.82 | PK | 35.9 | -21.4 | 0 | 41.32 | - | - | 74 | -32.68 | 0-360 | 250 | V |
| 8 | 9.848 | 26.94 | PK | 37 | -17.9 | 0 | 46.04 | - | - | 74 | -27.96 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

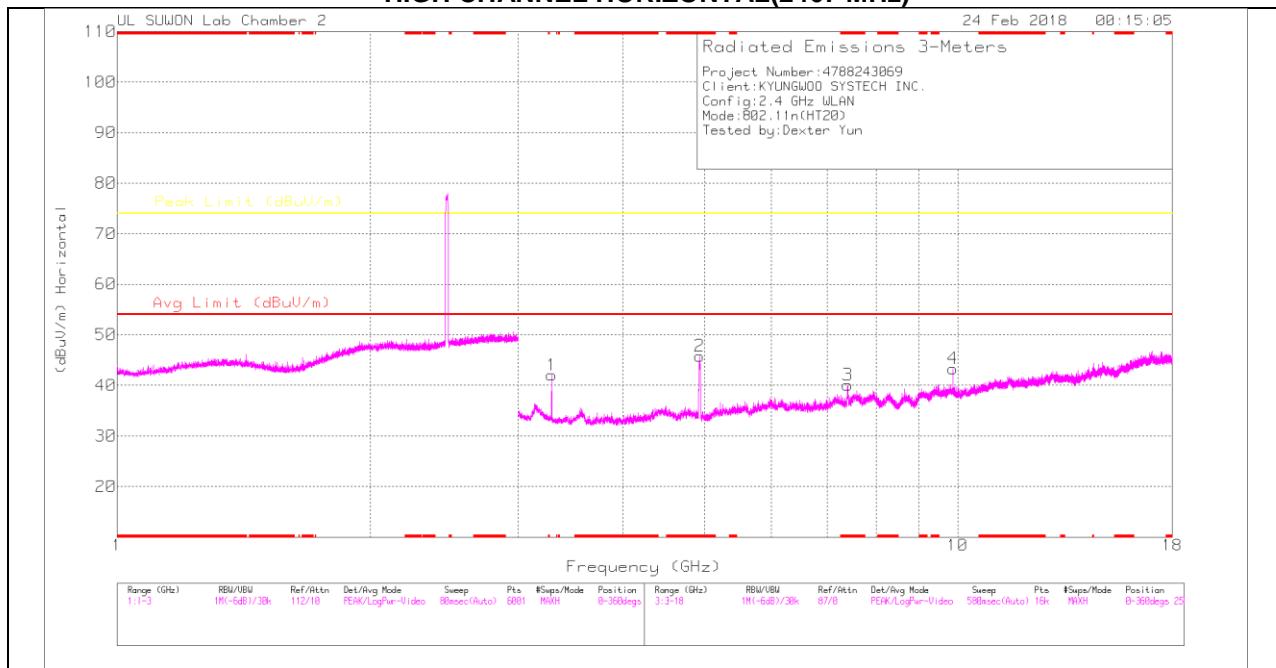
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.926 | 48.05 | PK2 | 33.8 | -24.7 | 0 | 57.15 | - | - | 74 | -16.85 | 139 | 113 | H |
| * 4.922 | 35.47 | MAv1 | 33.8 | -24.7 | .63 | 45.2 | 54 | -8.8 | - | - | 139 | 113 | H |
| * 7.387 | 36.65 | PK2 | 35.9 | -21.4 | 0 | 51.15 | - | - | 74 | -22.85 | 348 | 109 | H |
| * 7.386 | 24.1 | MAv1 | 35.9 | -21.4 | .63 | 39.23 | 54 | -14.77 | - | - | 348 | 109 | H |
| * 4.926 | 47.48 | PK2 | 33.8 | -24.7 | 0 | 56.58 | - | - | 74 | -17.42 | 161 | 382 | V |
| * 4.926 | 34.56 | MAv1 | 33.8 | -24.7 | .63 | 44.29 | 54 | -9.71 | - | - | 161 | 382 | V |
| * 7.385 | 34.5 | PK2 | 35.9 | -21.4 | 0 | 49 | - | - | 74 | -25 | 291 | 120 | V |
| * 7.389 | 22.38 | MAv1 | 35.9 | -21.4 | .63 | 37.51 | 54 | -16.49 | - | - | 291 | 120 | V |

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

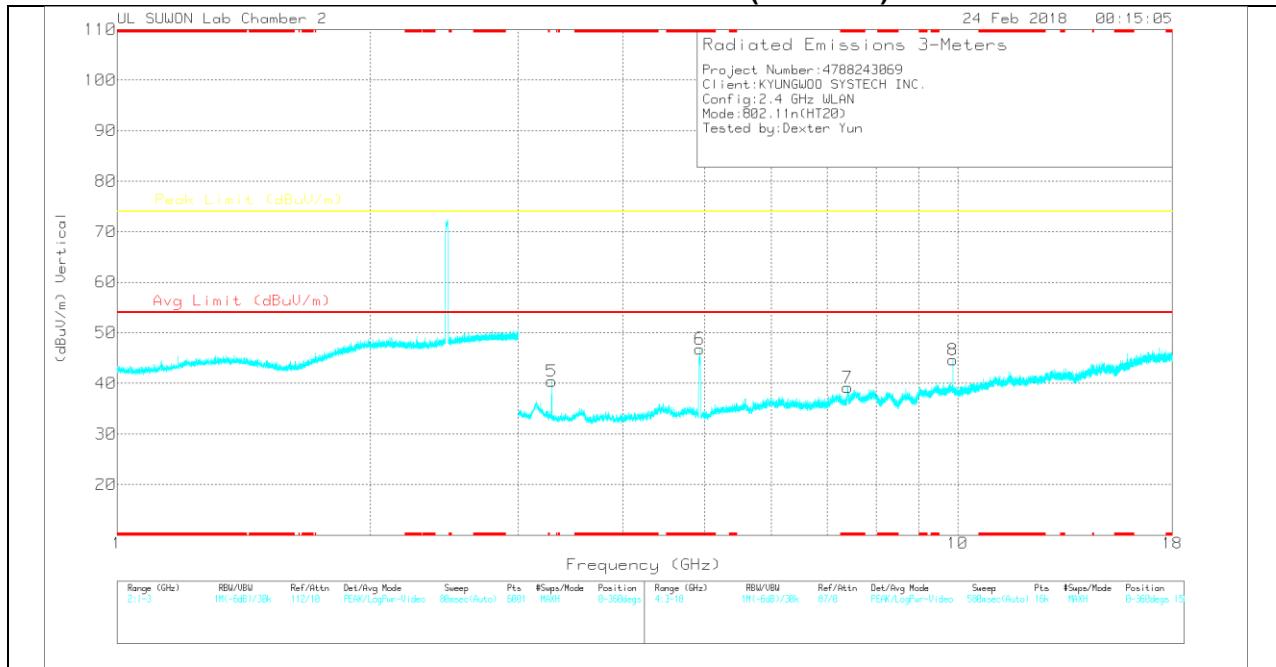
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2467 MHz)



HIGH CHANNEL VERTICAL(2467 MHz)



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(2467 MHz)

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 | 3.289 | 35.44 | Avg | 32.5 | -25.9 | 0 | 42.04 | - | - | 74 | -31.96 | 0-360 | 150 | H |
| 2 | * 4.932 | 36.69 | Avg | 33.8 | -24.7 | 0 | 45.79 | - | - | 74 | -28.21 | 0-360 | 150 | H |
| 3 | * 7.398 | 25.49 | Avg | 35.9 | -21.3 | 0 | 40.09 | - | - | 74 | -33.91 | 0-360 | 250 | H |
| 4 | 9.868 | 24.33 | Avg | 37 | -18 | 0 | 43.33 | - | - | 74 | -30.67 | 0-360 | 250 | H |
| 5 | 3.289 | 33.82 | Avg | 32.5 | -25.9 | 0 | 40.42 | - | - | 74 | -33.58 | 0-360 | 150 | V |
| 6 | * 4.932 | 37.68 | Avg | 33.8 | -24.7 | 0 | 46.78 | - | - | 74 | -27.22 | 0-360 | 250 | V |
| 7 | * 7.398 | 24.56 | Avg | 35.9 | -21.3 | 0 | 39.16 | - | - | 74 | -34.84 | 0-360 | 150 | V |
| 8 | 9.868 | 25.66 | Avg | 37 | -18 | 0 | 44.66 | - | - | 74 | -29.34 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

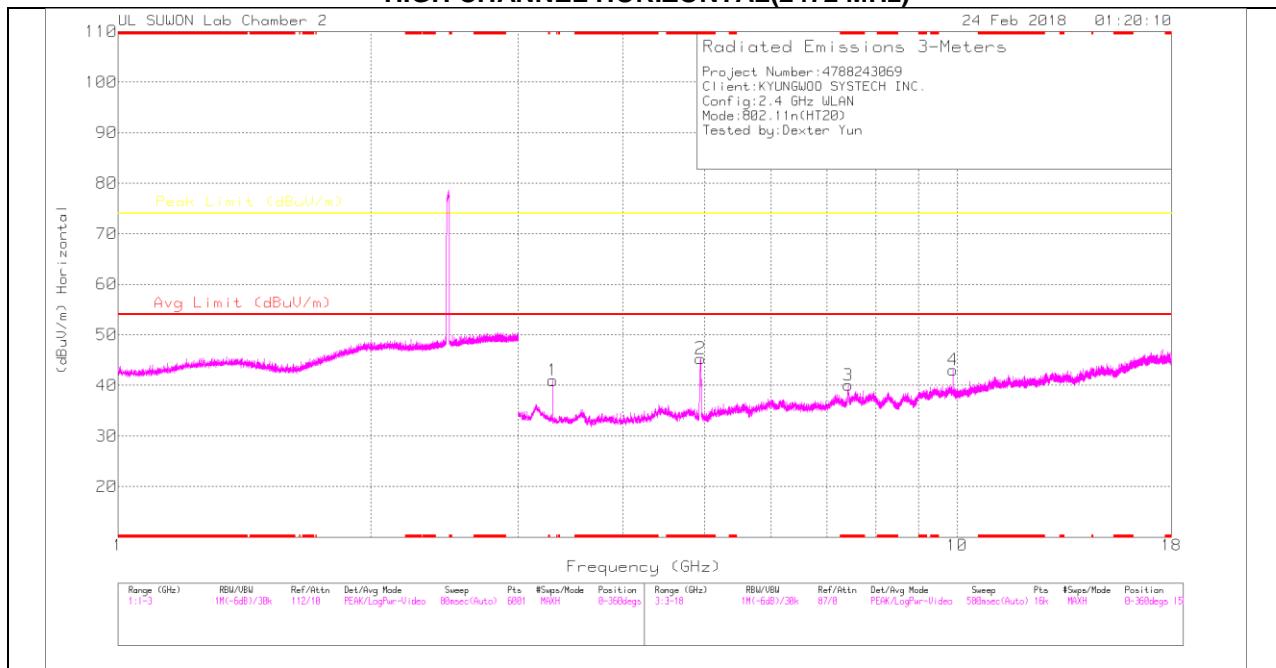
| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.936 | 45.53 | PK2 | 33.8 | -24.7 | 0 | 54.63 | - | - | 74 | -19.37 | 133 | 279 | H |
| * 4.932 | 33.11 | MAv1 | 33.8 | -24.7 | .63 | 42.84 | 54 | -11.16 | - | - | 133 | 279 | H |
| * 7.398 | 35.18 | PK2 | 35.9 | -21.3 | 0 | 49.78 | - | - | 74 | -24.22 | 104 | 252 | H |
| * 7.399 | 22.95 | MAv1 | 35.9 | -21.3 | .63 | 38.18 | 54 | -15.82 | - | - | 104 | 252 | H |
| * 4.936 | 45.88 | PK2 | 33.8 | -24.7 | 0 | 54.98 | - | - | 74 | -19.02 | 211 | 146 | V |
| * 4.932 | 33.61 | MAv1 | 33.8 | -24.7 | .63 | 43.34 | 54 | -10.66 | - | - | 211 | 146 | V |
| * 7.402 | 34.67 | PK2 | 35.9 | -21.3 | 0 | 49.27 | - | - | 74 | -24.73 | 246 | 105 | V |
| * 7.399 | 22.15 | MAv1 | 35.9 | -21.3 | .63 | 37.38 | 54 | -16.62 | - | - | 246 | 105 | V |

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

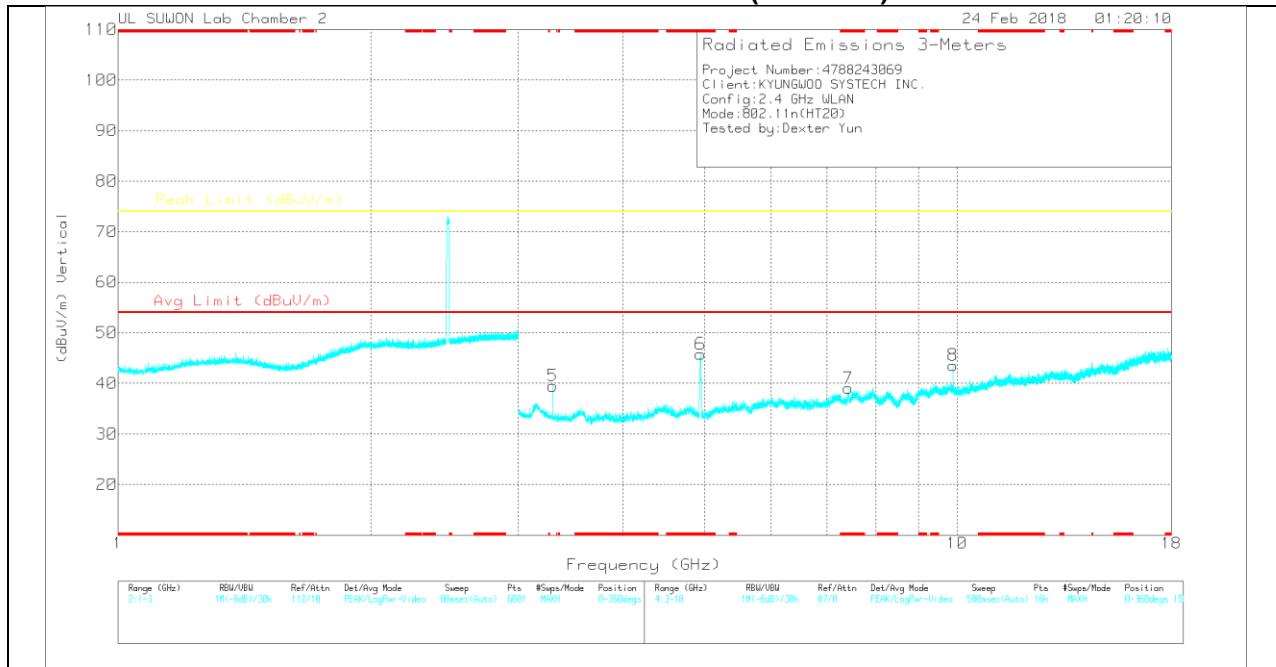
PK2 - KDB558074 Method: Maximum Peak

MAv1 - KDB558074 Option 1 Maximum RMS Average

HIGH CHANNEL HORIZONTAL(2472 MHz)



HIGH CHANNEL VERTICAL(2472 MHz)



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(2472 MHz)

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 | 3.295 | 34.4 | Avg | 32.5 | -25.9 | 0 | 41 | - | - | 74 | -33 | 0-360 | 150 | H |
| 2 | * 4.945 | 36.19 | Avg | 33.8 | -24.7 | 0 | 45.29 | - | - | 74 | -28.71 | 0-360 | 150 | H |
| 3 | * 7.413 | 25.31 | Avg | 35.9 | -21.2 | 0 | 40.01 | - | - | 74 | -33.99 | 0-360 | 250 | H |
| 4 | 9.887 | 23.96 | Avg | 37.1 | -18 | 0 | 43.06 | - | - | 74 | -30.94 | 0-360 | 150 | H |
| 5 | 3.295 | 32.91 | Avg | 32.5 | -25.9 | 0 | 39.51 | - | - | 74 | -34.49 | 0-360 | 250 | V |
| 6 | * 4.945 | 36.69 | Avg | 33.8 | -24.7 | 0 | 45.79 | - | - | 74 | -28.21 | 0-360 | 150 | V |
| 7 | * 7.413 | 24.32 | Avg | 35.9 | -21.2 | 0 | 39.02 | - | - | 74 | -34.98 | 0-360 | 150 | V |
| 8 | 9.887 | 24.47 | Avg | 37.1 | -18 | 0 | 43.57 | - | - | 74 | -30.43 | 0-360 | 150 | V |

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

PK – Peak detector

Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 170531_3117[00168724] | 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 |
|-----------------|----------------------|------|-----------------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 4.946 | 44.76 | PK2 | 33.8 | -24.7 | 0 | 53.86 | - | - | 74 | -20.14 | 152 | 279 | H |
| * 4.942 | 32.23 | MAv1 | 33.8 | -24.8 | .63 | 41.86 | 54 | -12.14 | - | - | 152 | 279 | H |
| * 7.412 | 35.22 | PK2 | 35.9 | -21.2 | 0 | 49.92 | - | - | 74 | -24.08 | 103 | 229 | H |
| * 7.418 | 22.76 | MAv1 | 35.9 | -21.2 | .63 | 38.09 | 54 | -15.91 | - | - | 103 | 229 | H |
| * 4.946 | 44.06 | PK2 | 33.8 | -24.7 | 0 | 53.16 | - | - | 74 | -20.84 | 213 | 134 | V |
| * 4.94 | 31.9 | MAv1 | 33.8 | -24.8 | .63 | 41.53 | 54 | -12.47 | - | - | 213 | 134 | V |
| * 7.417 | 34.26 | PK2 | 35.9 | -21.2 | 0 | 48.96 | - | - | 74 | -25.04 | 245 | 121 | V |
| * 7.419 | 22.06 | MAv1 | 35.9 | -21.2 | .63 | 37.39 | 54 | -16.61 | - | - | 245 | 121 | V |

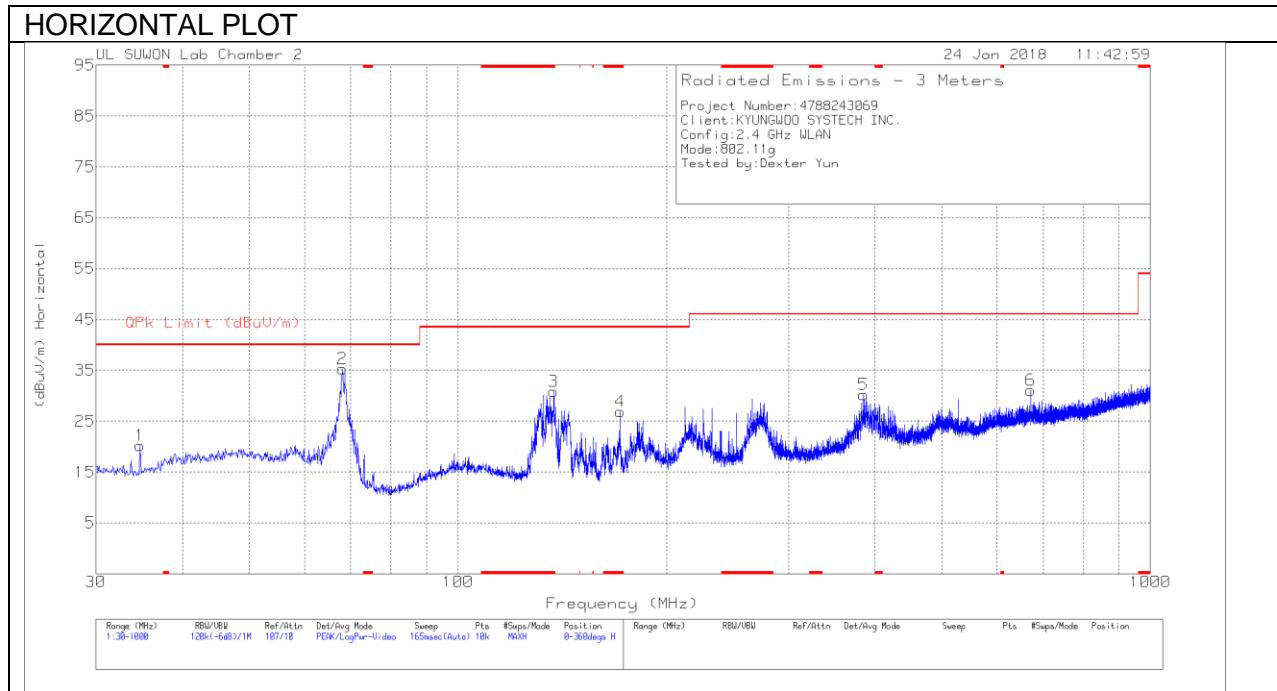
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

PK2 - KDB558074 Method: Maximum Peak

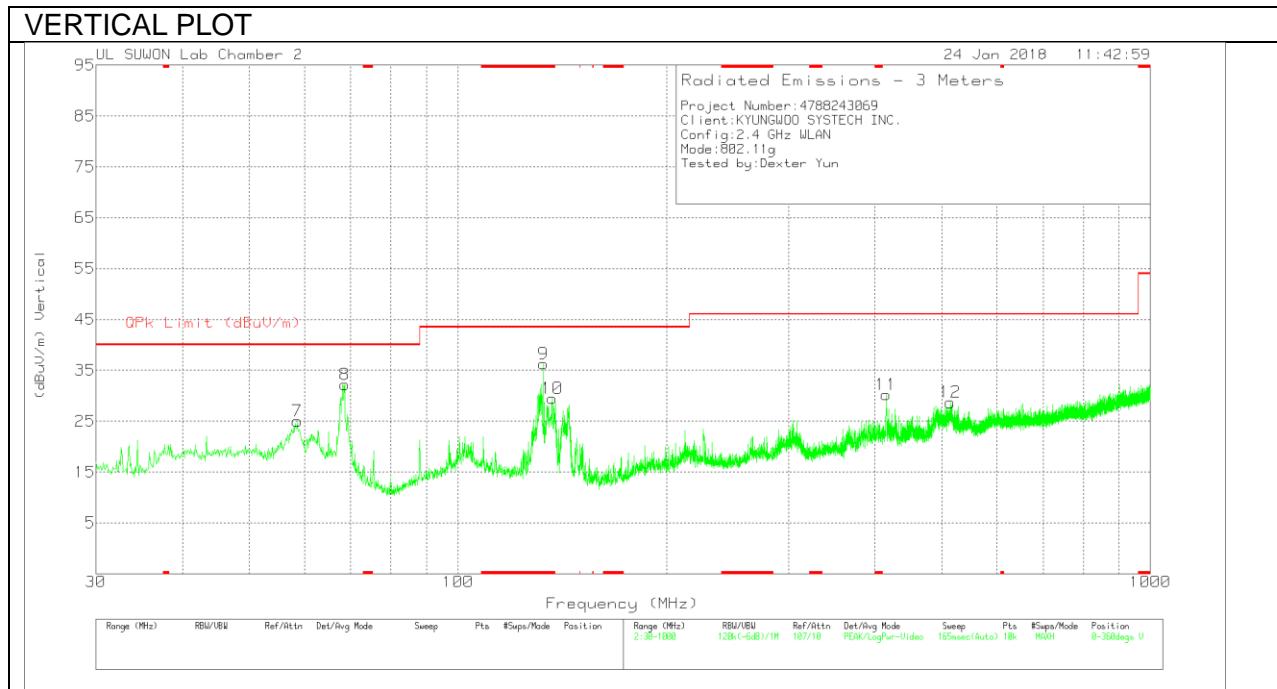
MAv1 - KDB558074 Option 1 Maximum RMS Average

10.3. 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 | VULB9163-749 | 30-1000MHz[dB] | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|----------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1 | 34.753 | 34.68 | Pk | 17.1 | -31.6 | 20.18 | 40 | -19.82 | 0-360 | 400 | H |
| 2 | 68.121 | 50.75 | Pk | 15.8 | -31.3 | 35.25 | 40 | -4.75 | 0-360 | 300 | H |
| 3 | * 137.476 | 47.82 | Pk | 13.9 | -30.9 | 30.82 | 43.52 | -12.7 | 0-360 | 200 | H |
| 4 | * 171.426 | 42.65 | Pk | 14.8 | -30.6 | 26.85 | 43.52 | -16.67 | 0-360 | 200 | H |
| 5 | 385.408 | 39.05 | Pk | 21 | -29.8 | 30.25 | 46.02 | -15.77 | 0-360 | 100 | H |
| 6 | 672.043 | 35.04 | Pk | 25.2 | -29.2 | 31.04 | 46.02 | -14.98 | 0-360 | 100 | H |
| 7 | 58.615 | 37.81 | Pk | 18.6 | -31.4 | 25.01 | 40 | -14.99 | 0-360 | 100 | V |
| 8 | 68.606 | 47.9 | Pk | 15.6 | -31.3 | 32.2 | 40 | -7.8 | 0-360 | 300 | V |
| 9 | * 133.014 | 52.93 | Pk | 14.2 | -30.9 | 36.23 | 43.52 | -7.29 | 0-360 | 200 | V |
| 10 | * 136.7 | 46.53 | Pk | 13.9 | -30.9 | 29.53 | 43.52 | -13.99 | 0-360 | 100 | V |
| 11 | 415.284 | 38.26 | Pk | 21.8 | -29.8 | 30.26 | 46.02 | -15.76 | 0-360 | 100 | V |
| 12 | 514.321 | 35.08 | Pk | 23.1 | -29.5 | 28.68 | 46.02 | -17.34 | 0-360 | 200 | V |

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

Pk - Peak detector

Radiated Emissions

| Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163-749 | 30-1000MHz[dB] | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|--------------|----------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 68.121 | 46.32 | Qp | 15.8 | -31.3 | 30.82 | 40 | -9.18 | 91 | 322 | H |
| * 137.476 | 43.29 | Qp | 13.9 | -30.9 | 26.29 | 43.52 | -17.23 | 18 | 231 | H |
| 68.606 | 41.13 | Qp | 15.6 | -31.3 | 25.43 | 40 | -14.57 | 141 | 256 | V |
| * 133.014 | 40.93 | Qp | 14.2 | -30.9 | 24.23 | 43.52 | -19.29 | 138 | 100 | V |

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

Qp - Quasi-Peak detector

END OF REPORT

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