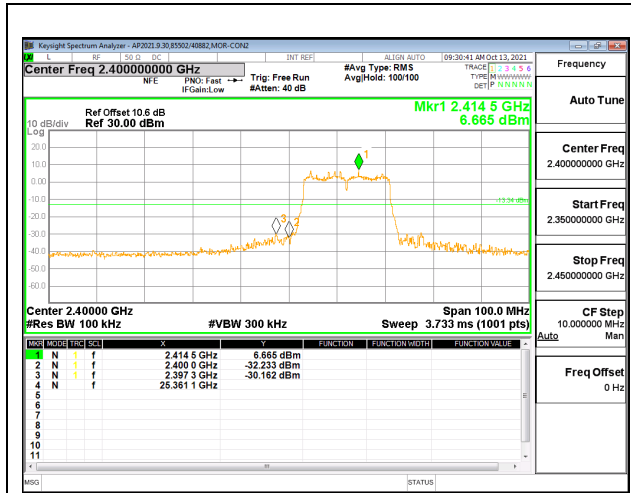
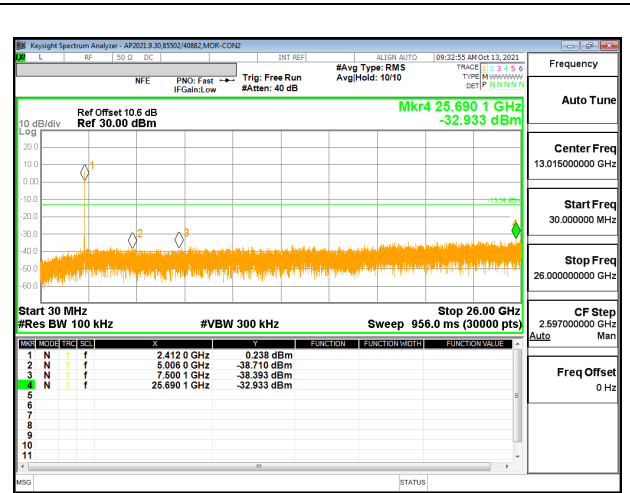


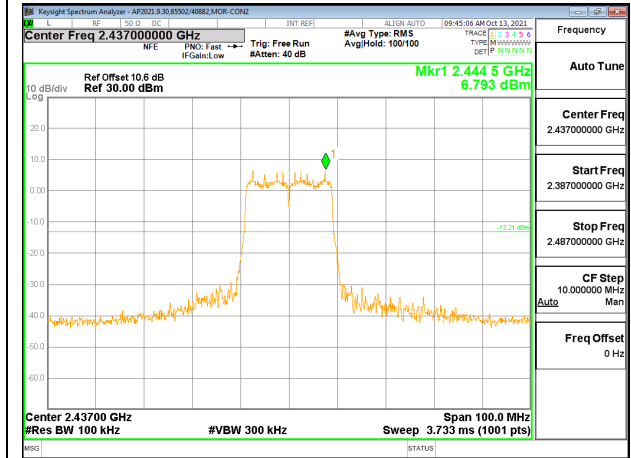
9.6.4. 2.4 WLAN-Antenna 1 (802.11nHT20) 2TX Antenna 1 + Antenna 2 CDD MODE



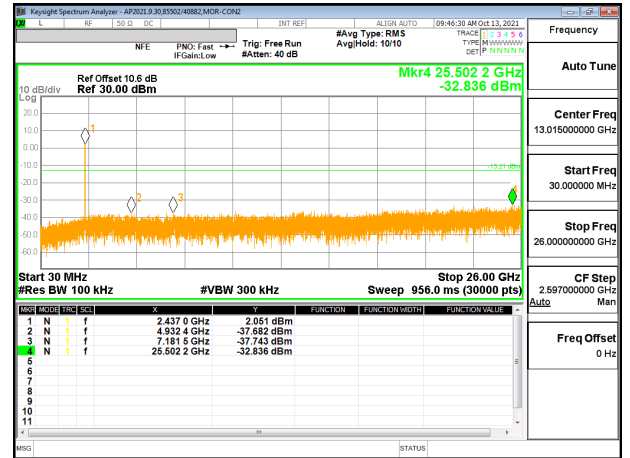
LOW CHANNEL BANDEDGE



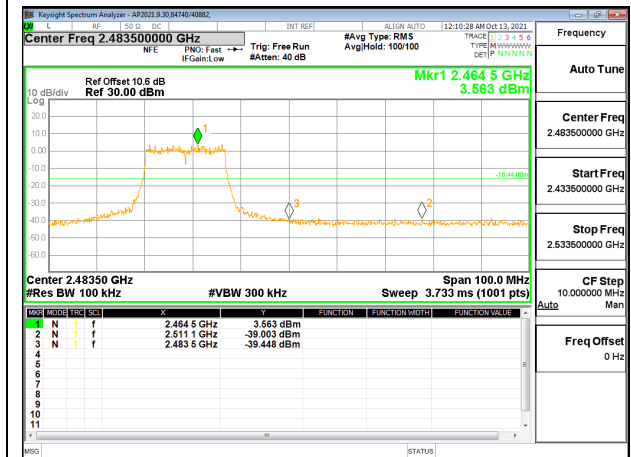
OUT-OF-BAND LOW CHANNEL



IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



HIGH CHANNEL BANDEDGE



OUT-OF-BAND HIGH CHANNEL

10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209

| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
|-----------------------|------------------------------------|--------------------------------------|
| 0.009-0.490 | 2400/F(kHz) @ 300 m | - |
| 0.490-1.705 | 24000/F(kHz) @ 30 m | - |
| 1.705 - 30 | 30 @ 30m | - |
| 30 - 88 | 100 | 40 |
| 88 - 216 | 150 | 43.5 |
| 216 - 960 | 200 | 46 |
| Above 960 | 500 | 54 |

RSS-GEN, Section 8.9 and 8.10

| Frequency Range (MHz) | Field Strength Limit (uA/m) at 3 m | Field Strength Limit (dBuA/m) at 3 m |
|-----------------------|------------------------------------|--------------------------------------|
| 0.009-0.490 | 6.37/F(kHz) @ 300 m | - |
| 0.490-1.705 | 63.7/F(kHz) @ 30 m | - |
| 1.705 - 30 | 0.08 @ 30m | - |
| Frequency Range (MHz) | Field Strength Limit (uV/m) at 3 m | Field Strength Limit (dBuV/m) at 3 m |
| 30 - 88 | 100 | 40 |
| 88 - 216 | 150 | 43.5 |
| 216 - 960 | 200 | 46 |
| Above 960 | 500 | 54 |

TEST PROCEDURE

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement 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 in the 30-1000MHz range, 9kHz for peak and/or quasi-peak detection measurements in the 0.15-30MHz range and 200Hz for peak and/or quasi-peak detection measurements in the 9 to 150kHz range. Peak detection is used unless otherwise noted as quasi-peak or average (9-90kHz and 110-490kHz).

For pre-scans above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 KHz for peak measurements.

For final measurements above 1 GHz the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 3 MHz for peak measurements and as applicable for average measurements. In this case linear voltage averaging.

The spectrum from 1 GHz to 18 GHz is investigated with the transmitter set to the lowest, middle, and highest channels in each applicable band. Below 1GHz and above 18GHz emissions, the channel with the highest output power was tested.

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.

3D antenna use - For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel).

Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.

KDB 414788 Open Field Site(OFS) and Chamber Correlation Justification

OFS and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

NOTE: The limits in CFR 47, Part 15, Subpart C, paragraph 15.209(a), are identical to those in RSS-Gen section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table), using the free space impedance of 377 Ohms. For example the measurement at frequency 11.34 kHz resulted in a level of -20.32 dBuV/m, which is equivalent to $-20.32 - 51.5 = -71.82$ dBuA/m, which has the same margin, -66.83 dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

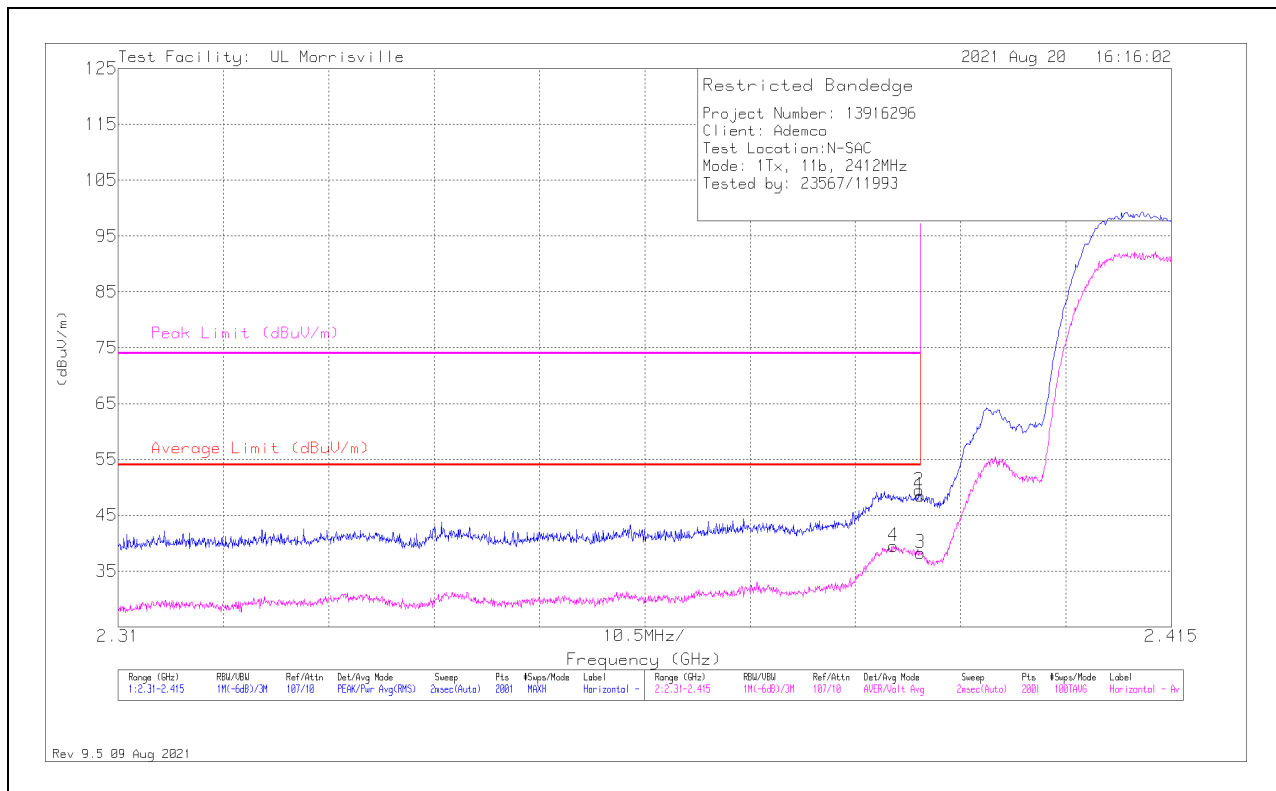
10.1. TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *** 2.38996 | 41.05 | Pk | 31.8 | -24.3 | 48.55 | - | - | 74 | -25.45 | 142 | 116 | H |
| 2 | *** 2.38985 | 41.95 | Pk | 31.8 | -24.3 | 49.45 | - | - | 74 | -24.55 | 142 | 116 | H |
| 3 | *** 2.38996 | 30.77 | ADV | 31.8 | -24.3 | 38.27 | 54 | -15.73 | - | - | 142 | 116 | H |
| 4 | *** 2.38728 | 31.99 | ADV | 31.8 | -24.3 | 39.49 | 54 | -14.51 | - | - | 142 | 116 | H |

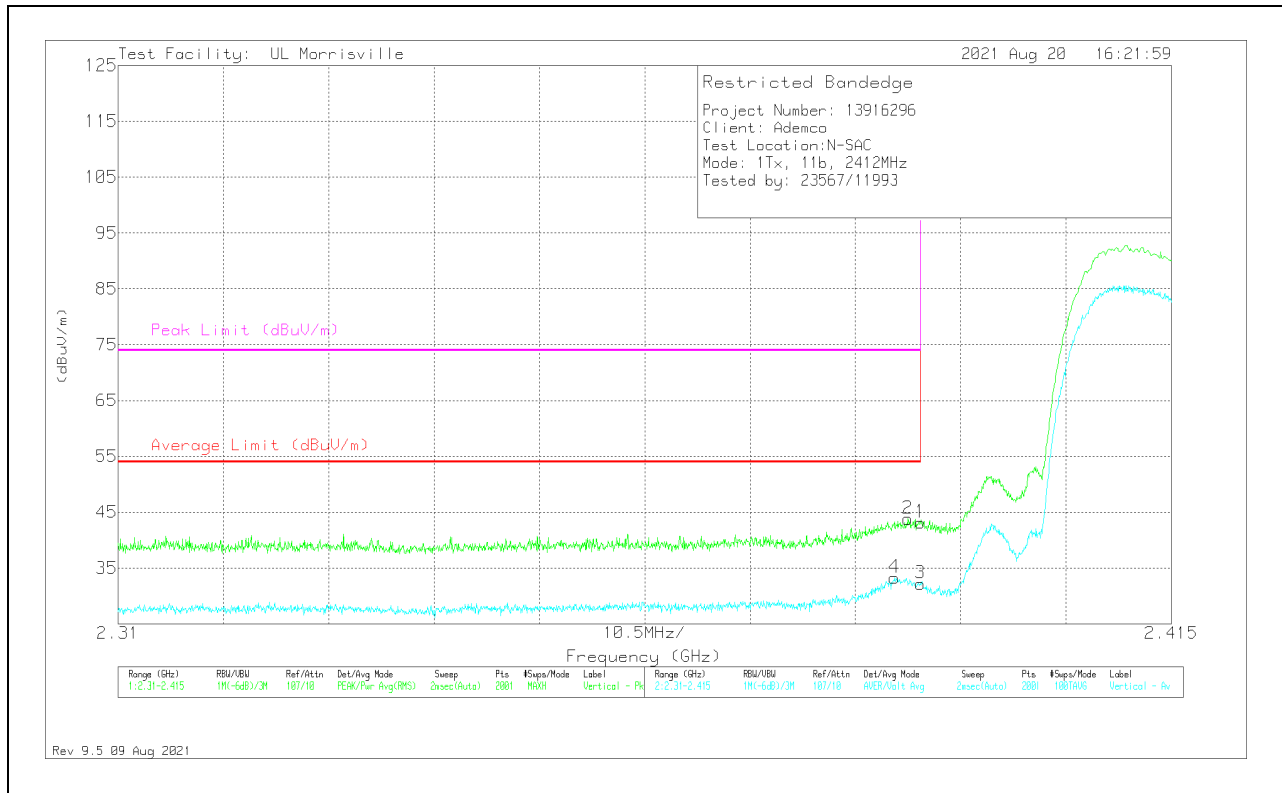
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

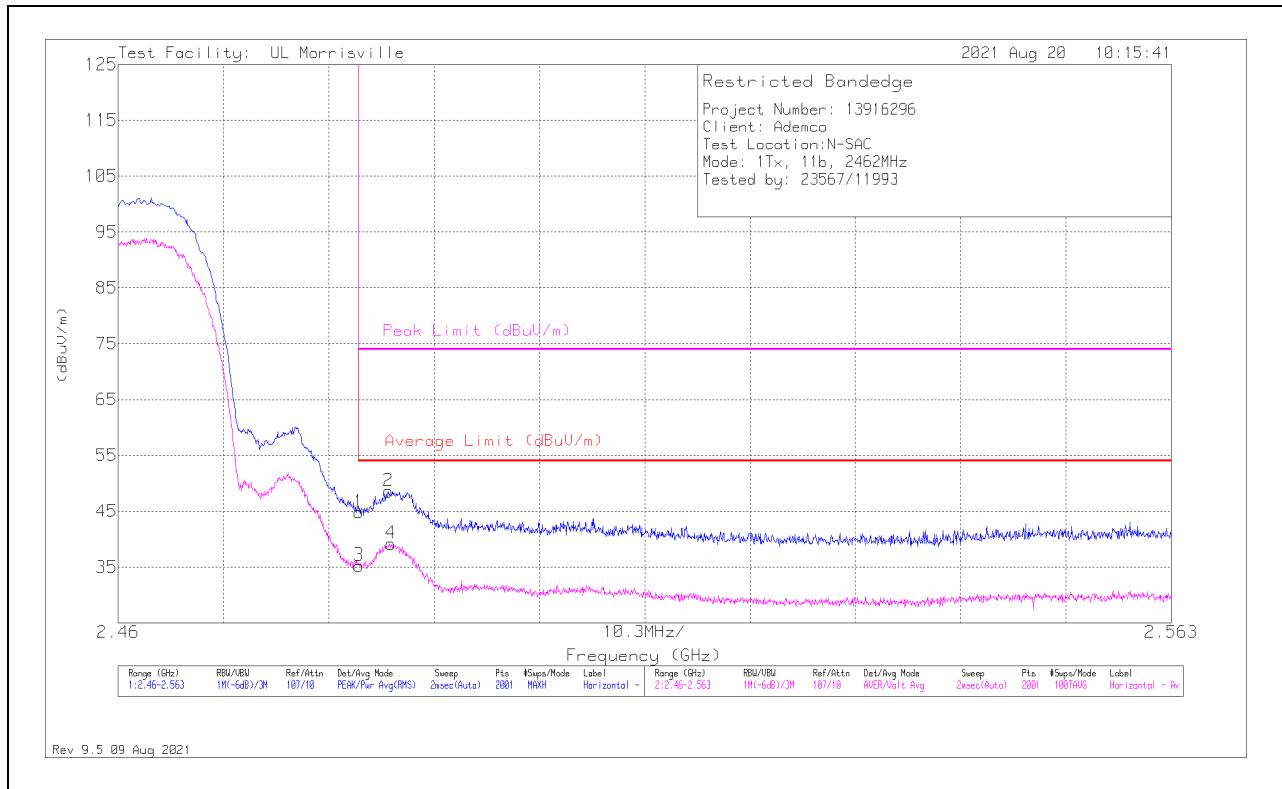


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.38996 | 35.67 | Pk | 31.8 | -24.3 | 43.17 | - | - | 74 | -30.83 | 5 | 352 | V |
| 2 | * ** 2.38875 | 36.32 | Pk | 31.8 | -24.3 | 43.82 | - | - | 74 | -30.18 | 5 | 352 | V |
| 3 | * ** 2.38996 | 24.73 | ADV | 31.8 | -24.3 | 32.23 | 54 | -21.77 | - | - | 5 | 352 | V |
| 4 | * ** 2.38739 | 25.79 | ADV | 31.8 | -24.3 | 33.29 | 54 | -20.71 | - | - | 5 | 352 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *** 2.48354 | 37.03 | Pk | 32.4 | -24.6 | 44.83 | - | - | 74 | -29.17 | 161 | 341 | H |
| 2 | *** 2.48642 | 40.66 | Pk | 32.5 | -24.6 | 48.56 | - | - | 74 | -25.44 | 161 | 341 | H |
| 3 | *** 2.48354 | 27.43 | ADV | 32.4 | -24.6 | 35.23 | 54 | -18.77 | - | - | 161 | 341 | H |
| 4 | *** 2.48668 | 31.28 | ADV | 32.5 | -24.6 | 39.18 | 54 | -14.82 | - | - | 161 | 341 | H |

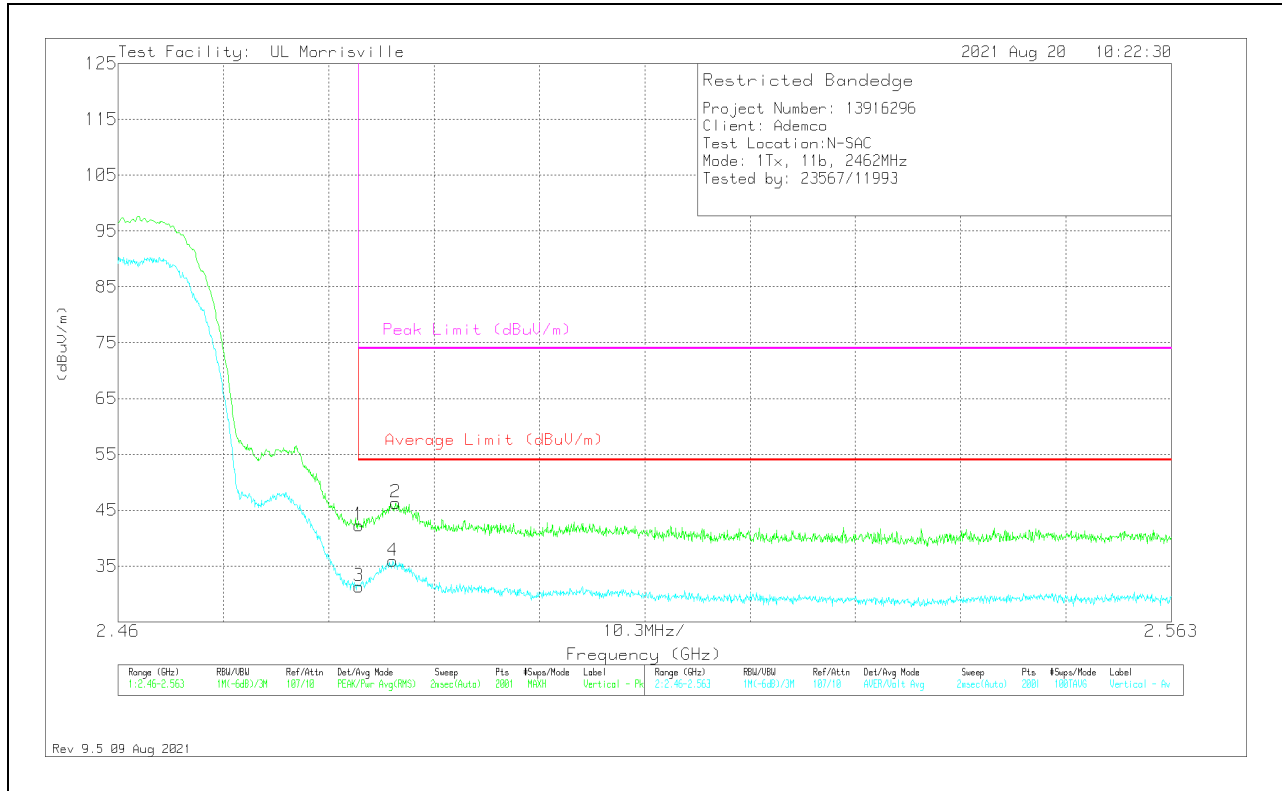
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

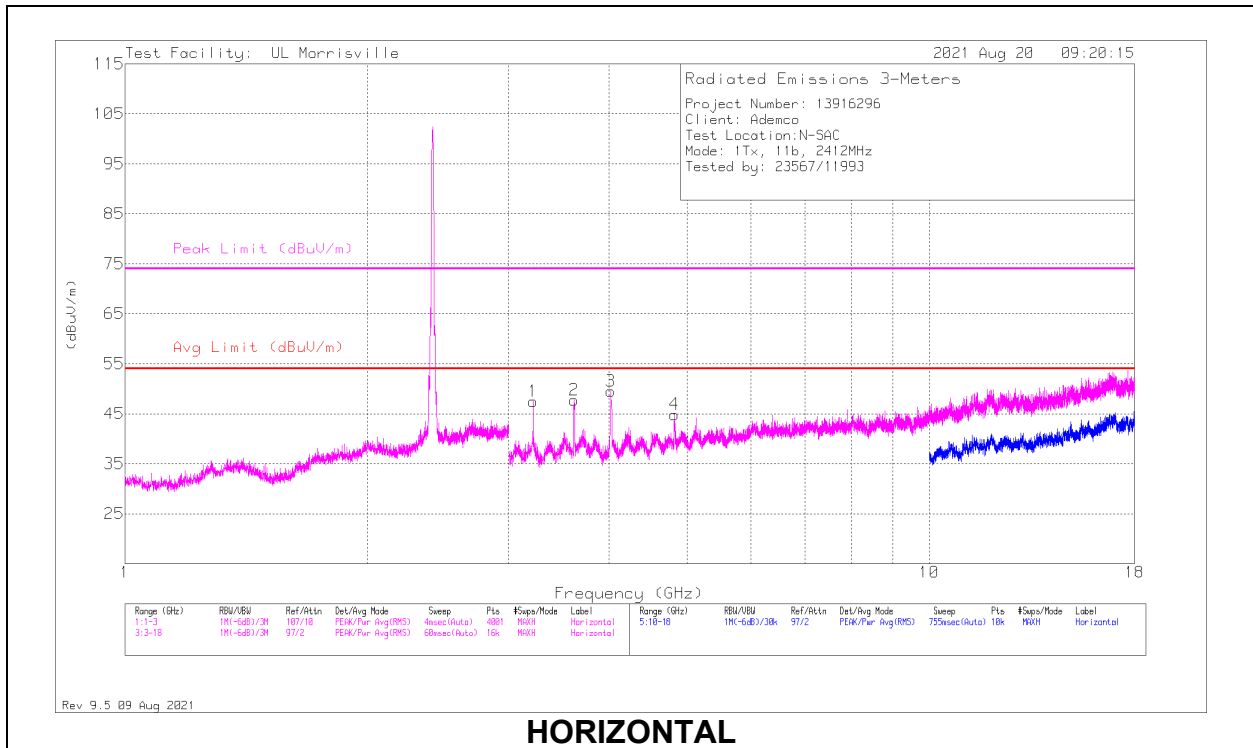


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.48354 | 34.51 | Pk | 32.4 | -24.6 | 42.31 | - | - | 74 | -31.69 | 196 | 385 | V |
| 2 | * ** 2.48714 | 38.45 | Pk | 32.5 | -24.6 | 46.35 | - | - | 74 | -27.65 | 196 | 385 | V |
| 3 | * ** 2.48354 | 23.57 | ADV | 32.4 | -24.6 | 31.37 | 54 | -22.63 | - | - | 196 | 385 | V |
| 4 | * ** 2.48688 | 28.02 | ADV | 32.5 | -24.6 | 35.92 | 54 | -18.08 | - | - | 196 | 385 | V |

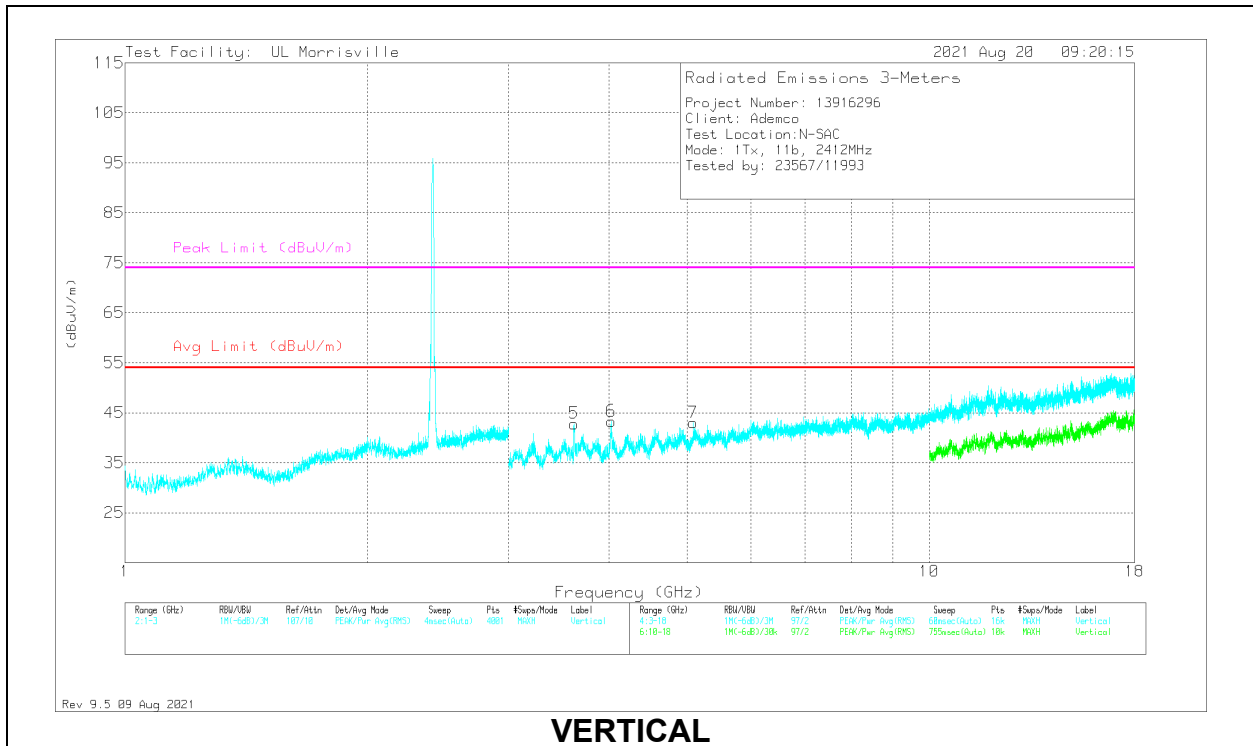
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Filtr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | * ** 3.615 | 46.21 | Pk | 33.3 | -31.8 | 47.71 | 54 | -6.29 | 74 | -26.29 | 0-360 | 200 | H |
| 3 | * ** 4.02156 | 51.72 | PK2 | 33.2 | -32.1 | 52.82 | - | - | 74 | -21.18 | 200 | 200 | H |
| | * ** 4.02142 | 41.11 | ADV | 33.2 | -32.1 | 42.21 | 54 | -11.79 | - | - | 200 | 200 | H |
| 4 | * ** 4.82344 | 42.04 | Pk | 34.1 | -31.3 | 44.84 | 54 | -9.16 | 74 | -29.16 | 0-360 | 200 | H |
| 5 | * ** 3.61594 | 41.32 | Pk | 33.3 | -31.8 | 42.82 | 54 | -11.18 | 74 | -31.18 | 0-360 | 200 | V |
| 6 | * ** 4.02375 | 42.09 | Pk | 33.2 | -32 | 43.29 | 54 | -10.71 | 74 | -30.71 | 0-360 | 200 | V |
| 7 | * ** 5.08875 | 40.02 | Pk | 34.4 | -31.4 | 43.02 | 54 | -10.98 | 74 | -30.98 | 0-360 | 200 | V |
| 1 | 3.21563 | 47.06 | Pk | 32.9 | -32.5 | 47.46 | - | - | - | - | 0-360 | 200 | H |

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

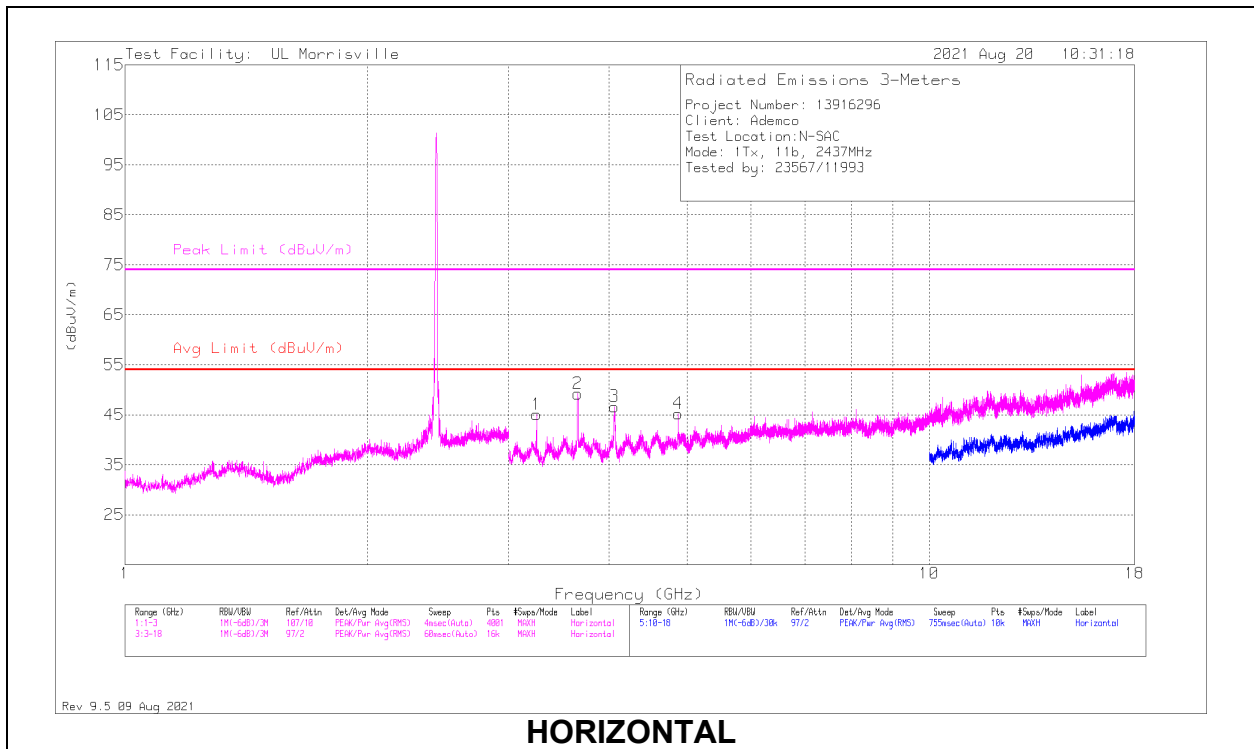
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

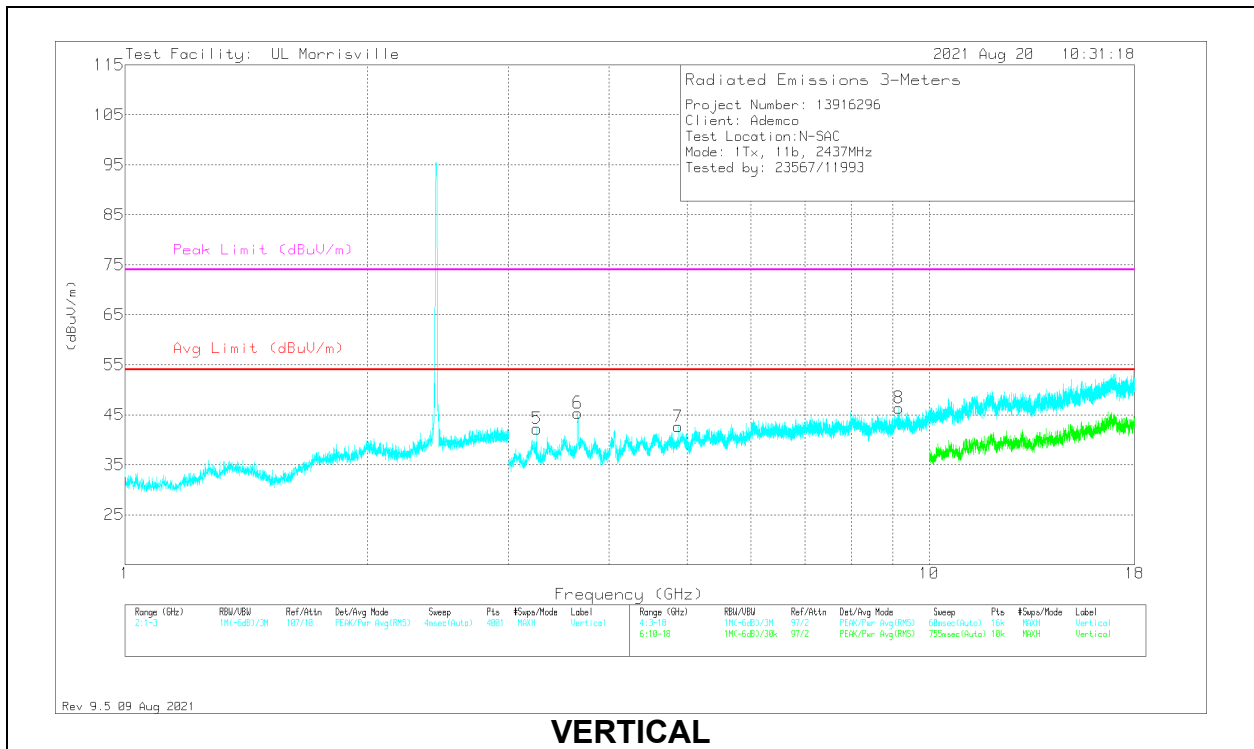
PK2 - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Filtr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | *** 3.65559 | 50.86 | PK2 | 33.4 | -31.2 | 53.06 | - | - | 74 | -20.94 | 190 | 126 | H |
| | *** 3.65467 | 41.22 | ADV | 33.4 | -31.2 | 43.42 | 54 | -10.58 | - | - | 190 | 126 | H |
| 3 | *** 4.06031 | 46.43 | Pk | 33.2 | -33 | 46.63 | 54 | -7.37 | 74 | -27.37 | 0-360 | 200 | H |
| 4 | *** 4.87313 | 42.52 | Pk | 34.2 | -31.5 | 45.22 | 54 | -8.78 | 74 | -28.78 | 0-360 | 101 | H |
| 6 | *** 3.65531 | 43.12 | Pk | 33.4 | -31.2 | 45.32 | 54 | -8.68 | 74 | -28.68 | 0-360 | 200 | V |
| 7 | *** 4.87406 | 40.12 | Pk | 34.2 | -31.7 | 42.62 | 54 | -11.38 | 74 | -31.38 | 0-360 | 200 | V |
| 8 | *** 9.16031 | 37.75 | Pk | 36.3 | -27.7 | 46.35 | 54 | -7.65 | 74 | -27.65 | 0-360 | 101 | V |
| 1 | 3.24844 | 44.83 | Pk | 32.9 | -32.7 | 45.03 | - | - | - | - | 0-360 | 200 | H |
| 5 | 3.24938 | 42.01 | Pk | 32.9 | -32.7 | 42.21 | - | - | - | - | 0-360 | 200 | V |

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

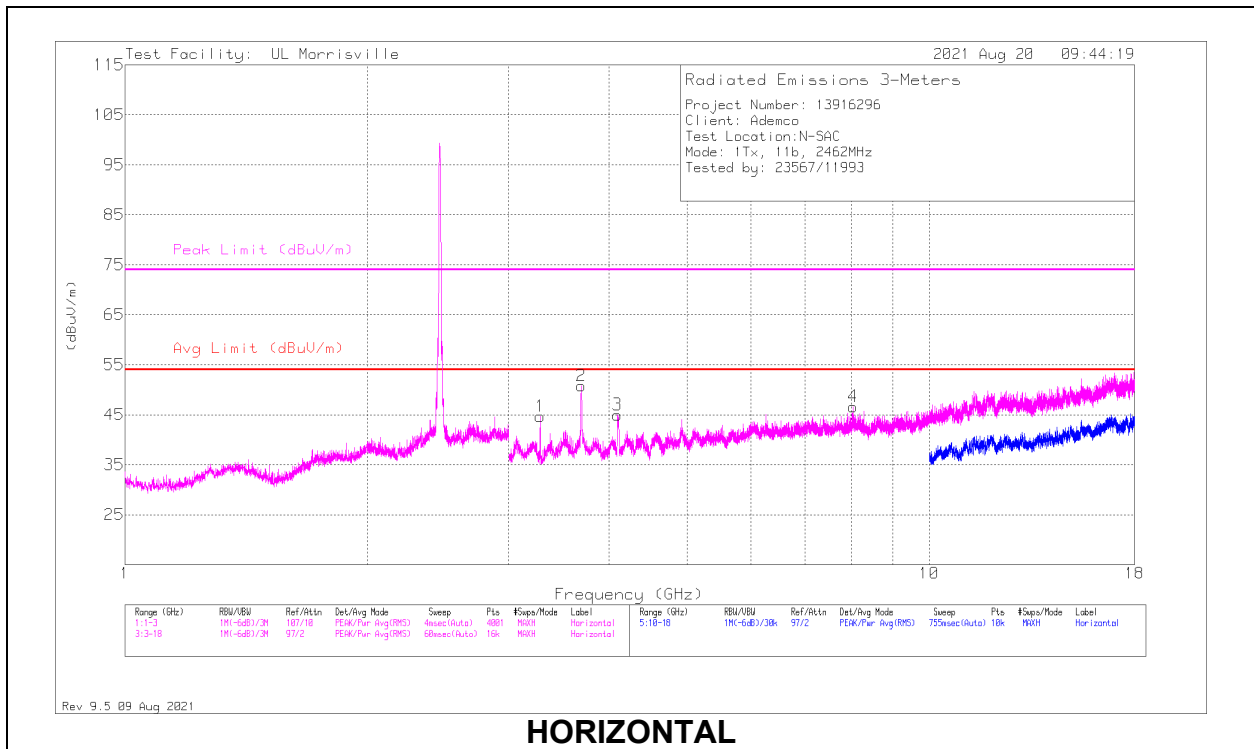
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

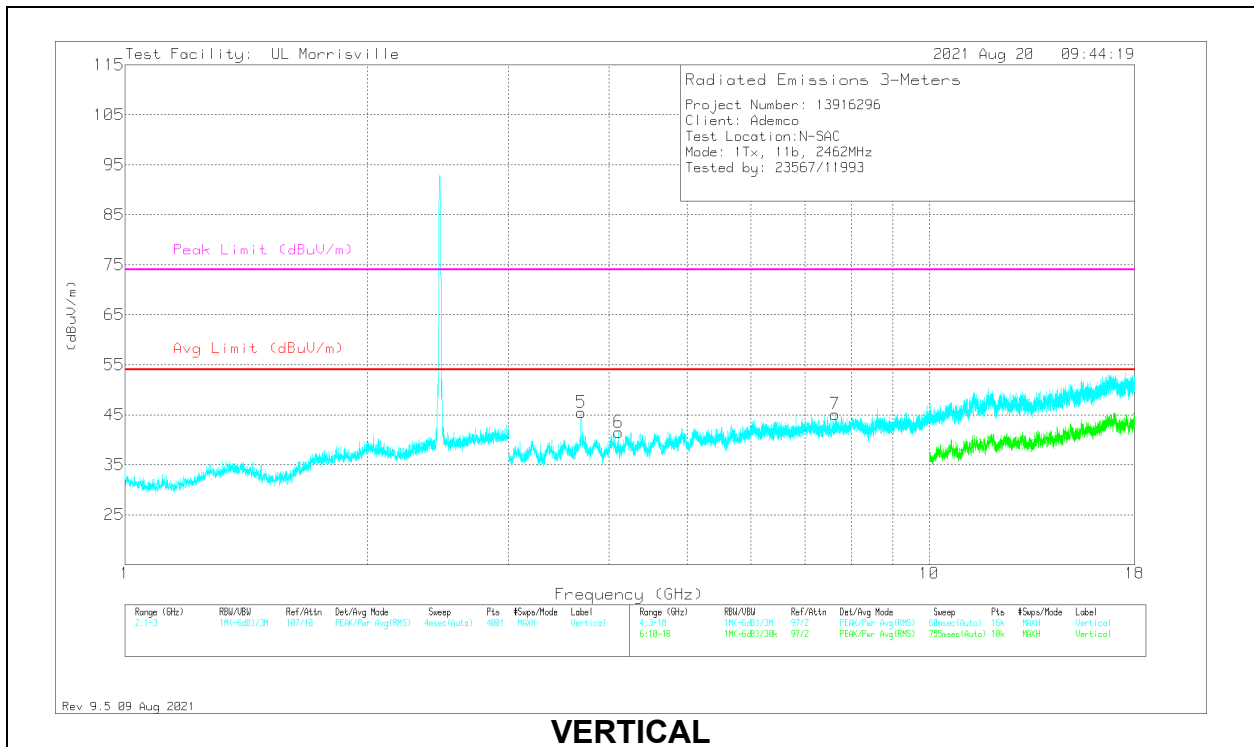
PK2 - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Filtr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | * ** 3.69301 | 53.83 | PK2 | 33.3 | -32.2 | 54.93 | - | - | 74 | -19.07 | 190 | 344 | H |
| | * ** 3.69366 | 44.19 | ADV | 33.3 | -32.1 | 45.39 | 54 | -8.61 | - | - | 190 | 344 | H |
| 3 | * ** 4.095 | 44.66 | PK | 33.2 | -32.9 | 44.96 | 54 | -9.04 | 74 | -29.04 | 0-360 | 200 | H |
| 4 | * ** 8.04094 | 38.81 | PK | 35.9 | -28.1 | 46.61 | 54 | -7.39 | 74 | -27.39 | 0-360 | 200 | H |
| 5 | * ** 3.69375 | 44.27 | PK | 33.3 | -32.1 | 45.47 | 54 | -8.53 | 74 | -28.53 | 0-360 | 200 | V |
| 6 | * ** 4.11094 | 41.11 | PK | 33.3 | -32.9 | 41.51 | 54 | -12.49 | 74 | -32.49 | 0-360 | 200 | V |
| 7 | * ** 7.63875 | 37.61 | PK | 35.9 | -28.4 | 45.11 | 54 | -8.89 | 74 | -28.89 | 0-360 | 200 | V |
| 1 | 3.28219 | 44.07 | PK | 32.8 | -32.2 | 44.67 | - | - | - | - | 0-360 | 200 | H |

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK - Peak detector

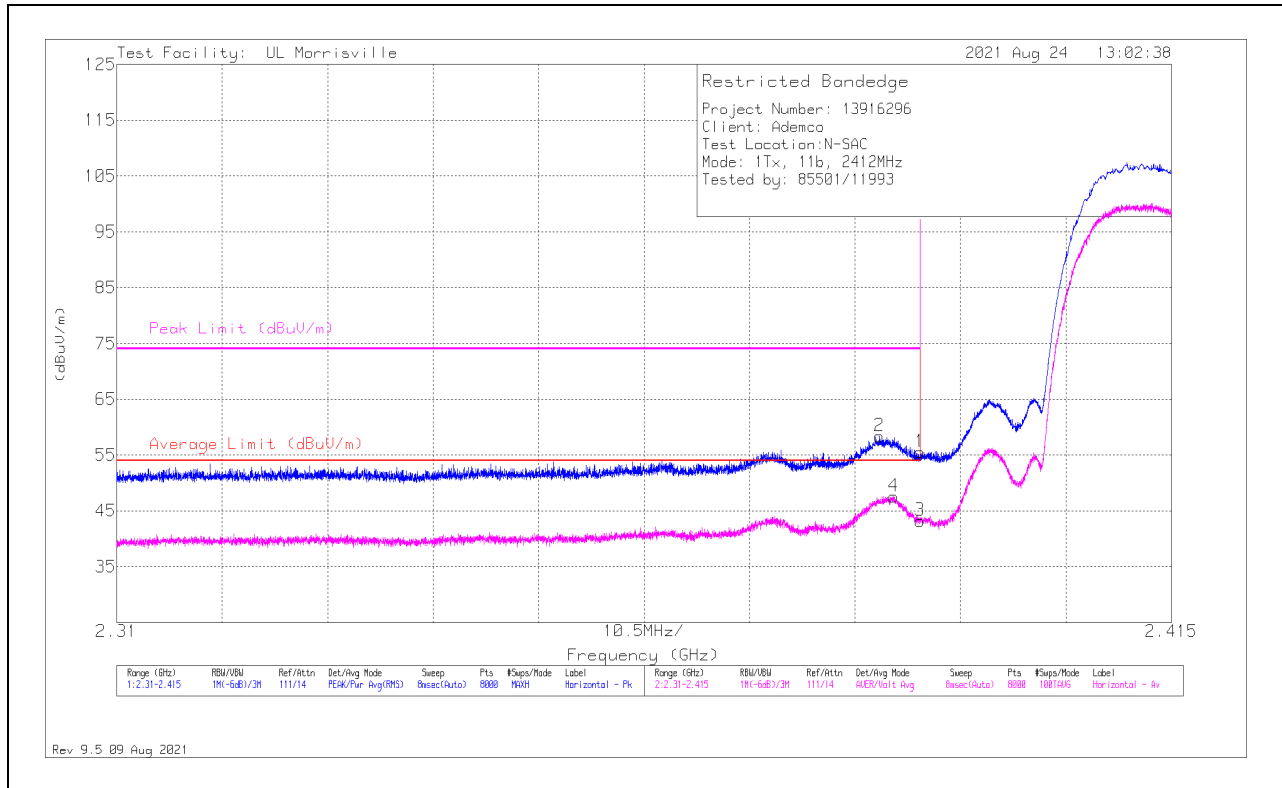
PK2 - Maximum Peak

ADV - Linear Voltage Average

1TX Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.39 | 38.03 | Pk | 31.8 | -24.3 | 10 | 55.53 | - | - | 74 | -18.47 | 3 | 101 | H |
| 2 | * ** 2.38591 | 40.94 | Pk | 31.8 | -24.4 | 10 | 58.34 | - | - | 74 | -15.66 | 3 | 101 | H |
| 3 | * ** 2.39 | 25.75 | ADV | 31.8 | -24.3 | 10 | 43.25 | 54 | -10.75 | - | - | 3 | 101 | H |
| 4 | * ** 2.38733 | 30.1 | ADV | 31.8 | -24.3 | 10 | 47.6 | 54 | -6.4 | - | - | 3 | 101 | H |

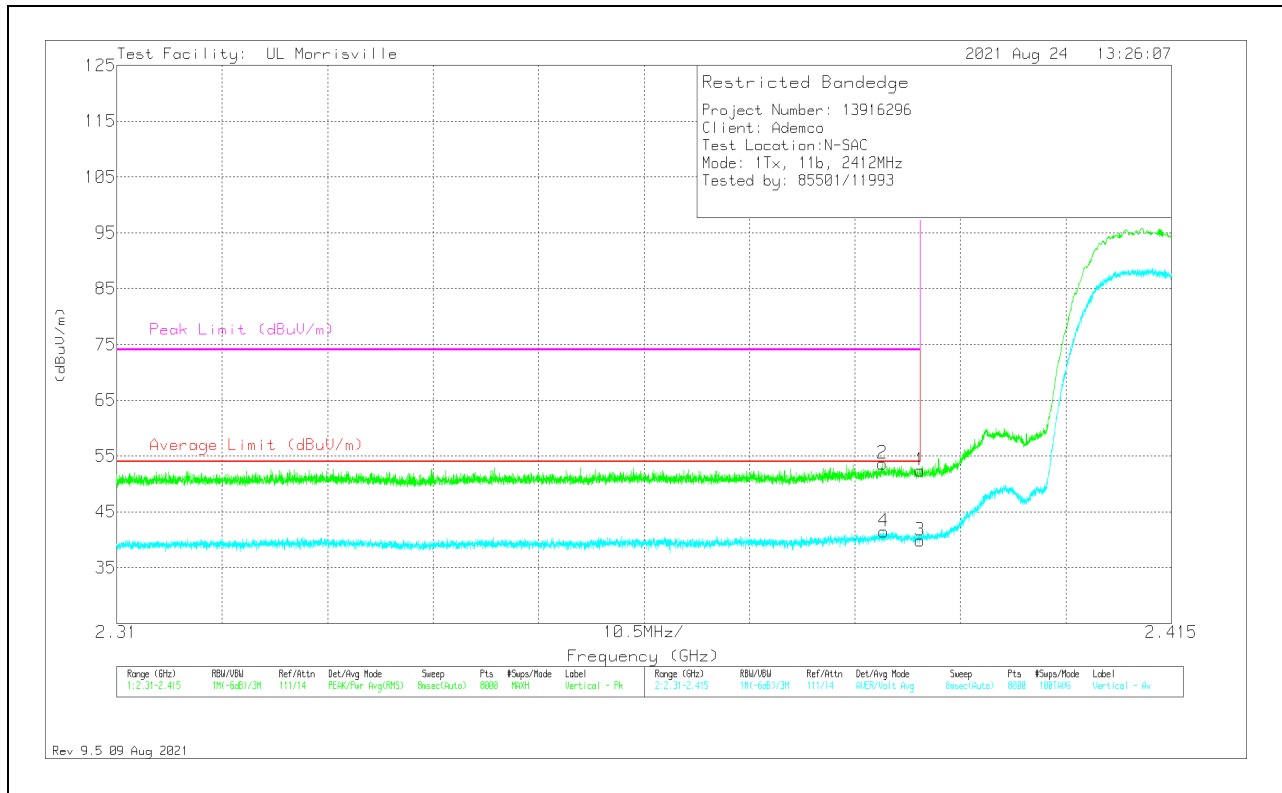
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

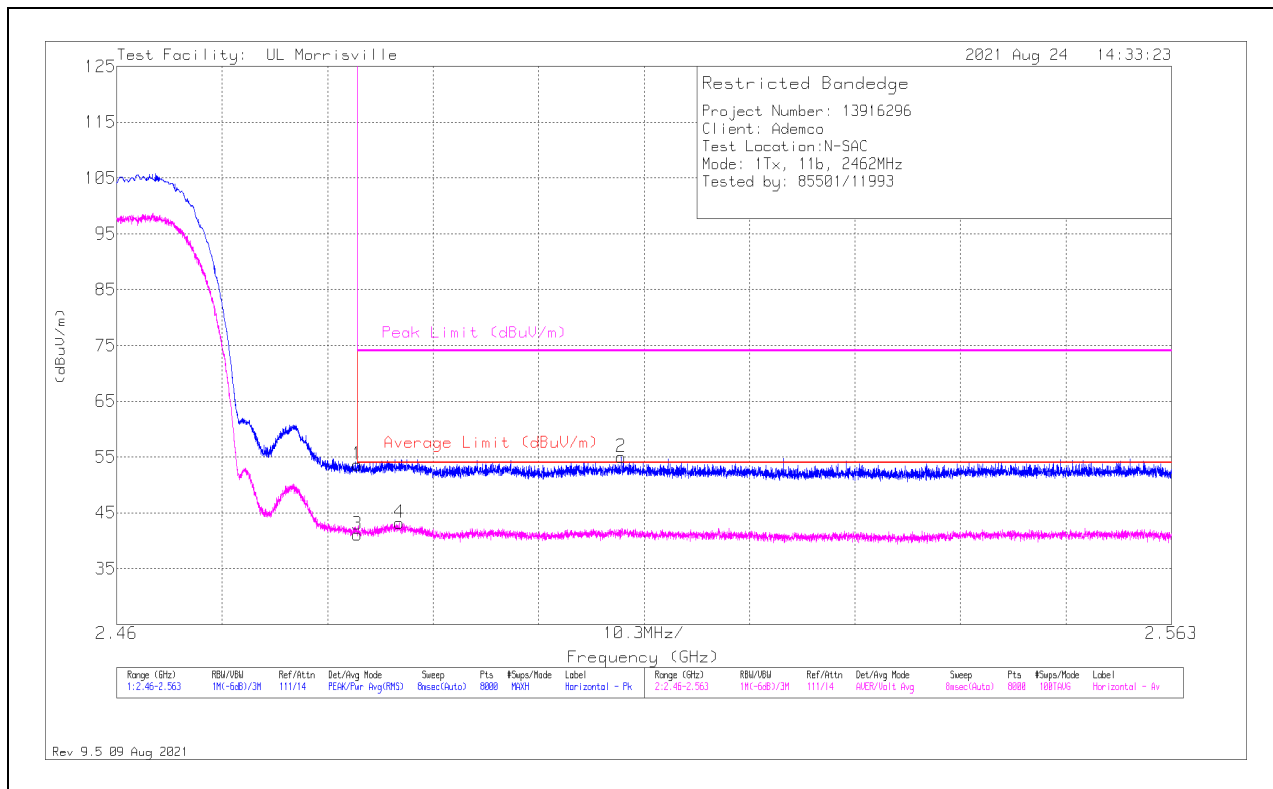


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.39 | 34.86 | Pk | 31.8 | -24.3 | 10 | 52.36 | - | - | 74 | -21.64 | 149 | 348 | V |
| 2 | * ** 2.38622 | 36.25 | Pk | 31.8 | -24.4 | 10 | 53.65 | - | - | 74 | -20.35 | 149 | 348 | V |
| 3 | * ** 2.39 | 22.37 | ADV | 31.8 | -24.3 | 10 | 39.87 | 54 | -14.13 | - | - | 149 | 348 | V |
| 4 | * ** 2.38636 | 24.13 | ADV | 31.8 | -24.4 | 10 | 41.53 | 54 | -12.47 | - | - | 149 | 348 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *** 2.4835 | 35.89 | Pk | 32.4 | -24.6 | 10 | 53.69 | - | - | 74 | -20.31 | 17 | 138 | H |
| 2 | ** 2.50927 | 36.68 | Pk | 32.6 | -24.3 | 10 | 54.98 | - | - | 74 | -19.02 | 17 | 138 | H |
| 3 | *** 2.4835 | 23.3 | ADV | 32.4 | -24.6 | 10 | 41.1 | 54 | -12.9 | - | - | 17 | 137 | H |
| 4 | *** 2.48761 | 25.27 | ADV | 32.5 | -24.6 | 10 | 43.17 | 54 | -10.83 | - | - | 17 | 137 | H |

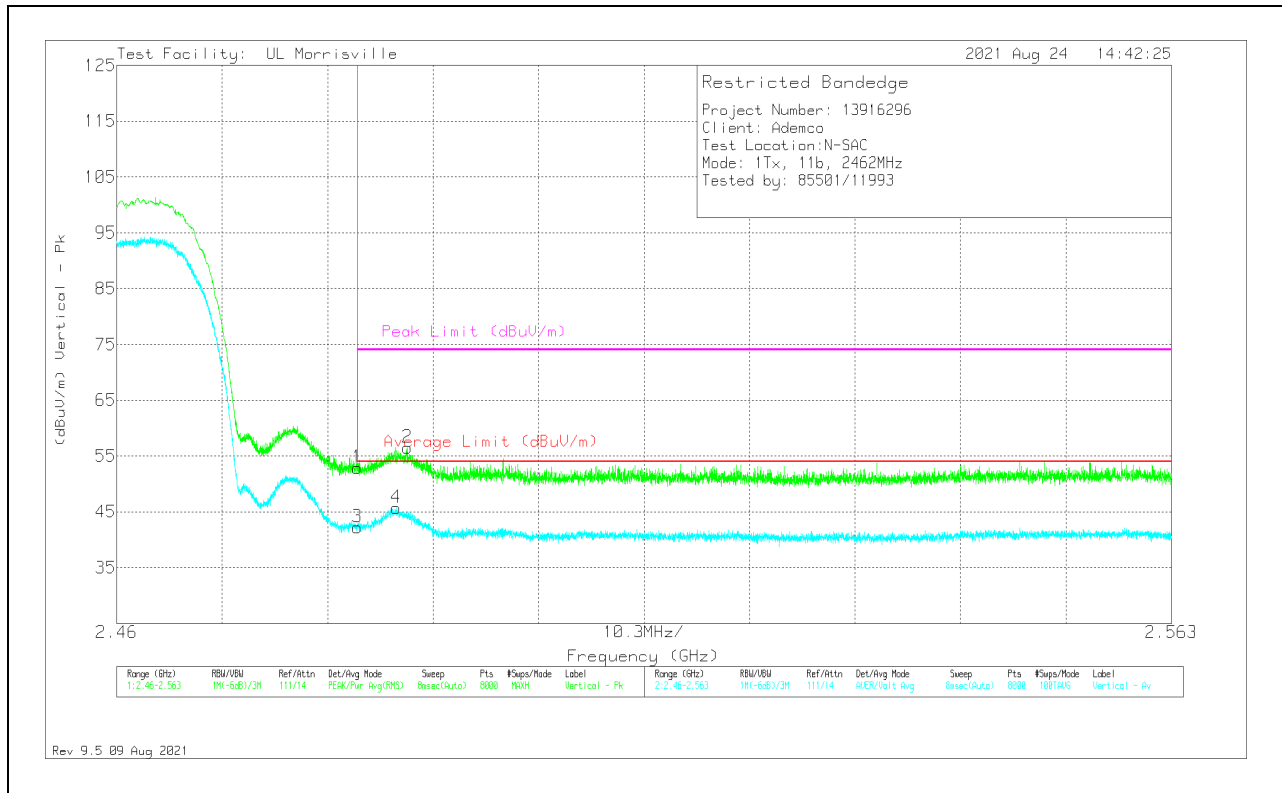
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

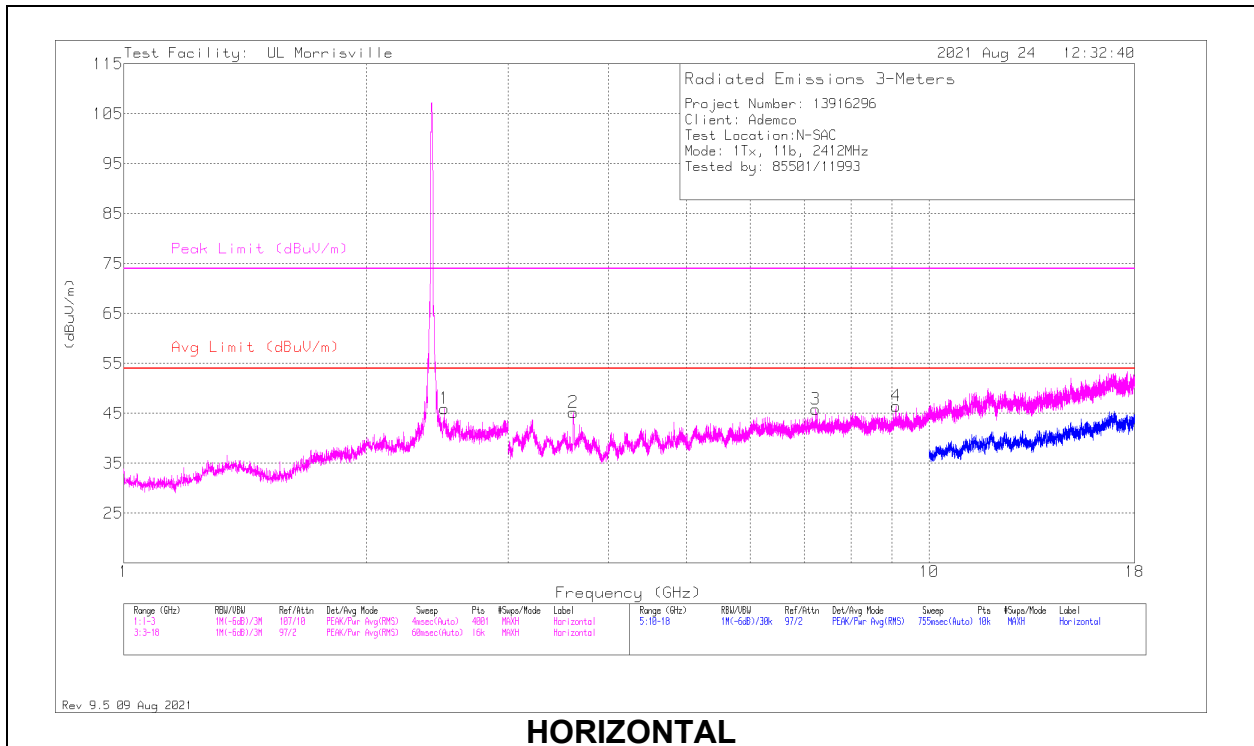


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.4835 | 35.11 | Pk | 32.4 | -24.6 | 10 | 52.91 | - | - | 74 | -21.09 | 315 | 379 | V |
| 2 | * ** 2.48837 | 38.6 | Pk | 32.5 | -24.6 | 10 | 56.5 | - | - | 74 | -17.5 | 315 | 379 | V |
| 3 | * ** 2.4835 | 24.41 | ADV | 32.4 | -24.6 | 10 | 42.21 | 54 | -11.79 | - | - | 315 | 379 | V |
| 4 | * ** 2.48726 | 27.77 | ADV | 32.5 | -24.6 | 10 | 45.67 | 54 | -8.33 | - | - | 315 | 379 | V |

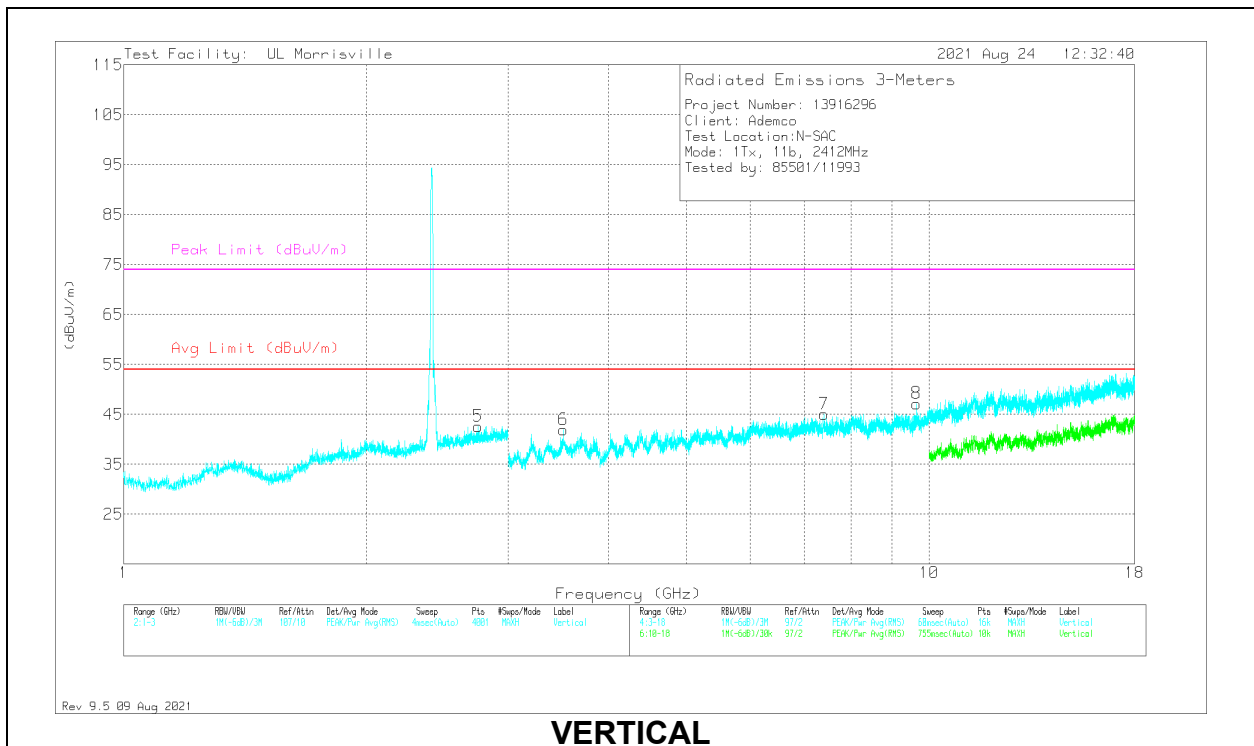
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

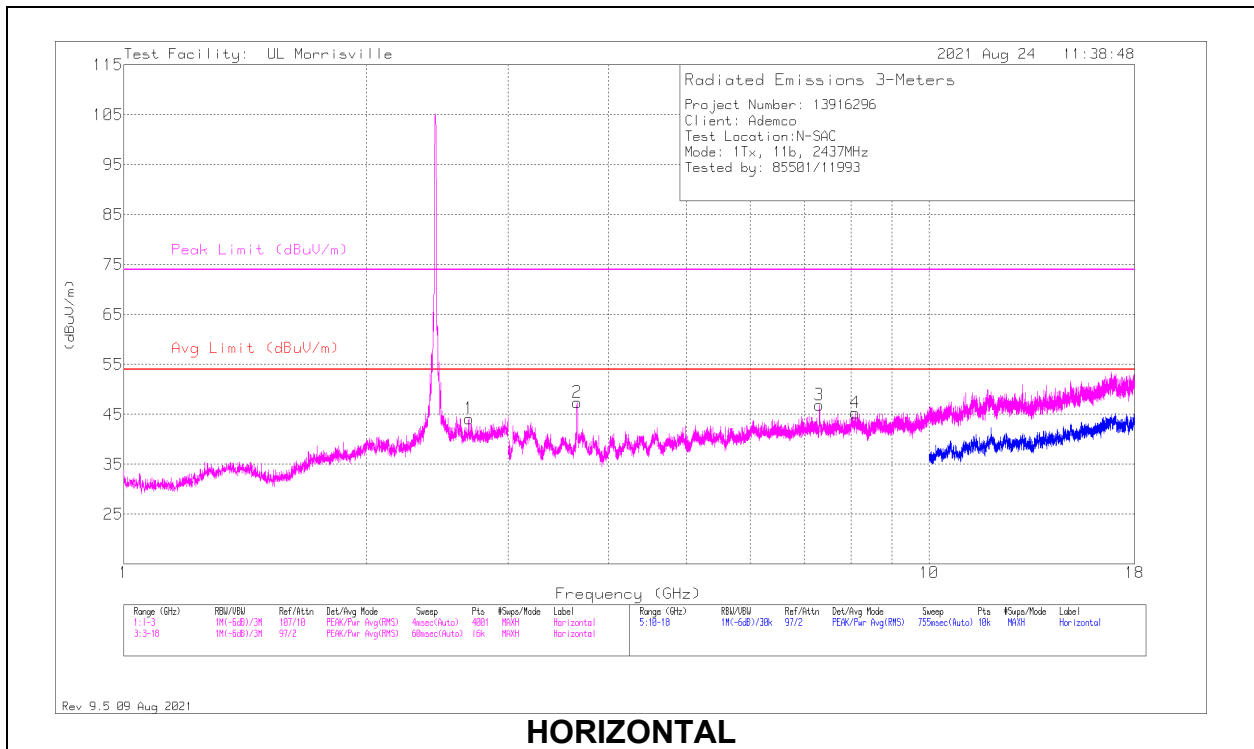
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | ** 2.5015 | 38.09 | Pk | 32.6 | -24.7 | 45.99 | - | - | - | - | 0-360 | 101 | H |
| 5 | *** 2.754 | 33.92 | Pk | 32.6 | -23.9 | 42.62 | 54 | -11.38 | 74 | -31.38 | 0-360 | 200 | V |
| 6 | *** 3.51469 | 41.72 | Pk | 33.2 | -33 | 41.92 | 54 | -12.08 | 74 | -32.08 | 0-360 | 200 | V |
| 2 | *** 3.61594 | 43.64 | Pk | 33.3 | -31.8 | 45.14 | 54 | -8.86 | 74 | -28.86 | 0-360 | 101 | H |
| 7 | *** 7.40625 | 38.28 | Pk | 35.6 | -28.8 | 45.08 | 54 | -8.92 | 74 | -28.92 | 0-360 | 200 | V |
| 4 | *** 9.09469 | 38.13 | Pk | 36.3 | -28 | 46.43 | 54 | -7.57 | 74 | -27.57 | 0-360 | 101 | H |
| 3 | 7.23 | 39.18 | Pk | 35.7 | -29.1 | 45.78 | - | - | - | - | 0-360 | 101 | H |
| 8 | 9.64781 | 38.59 | Pk | 36.6 | -28 | 47.19 | - | - | - | - | 0-360 | 101 | V |

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

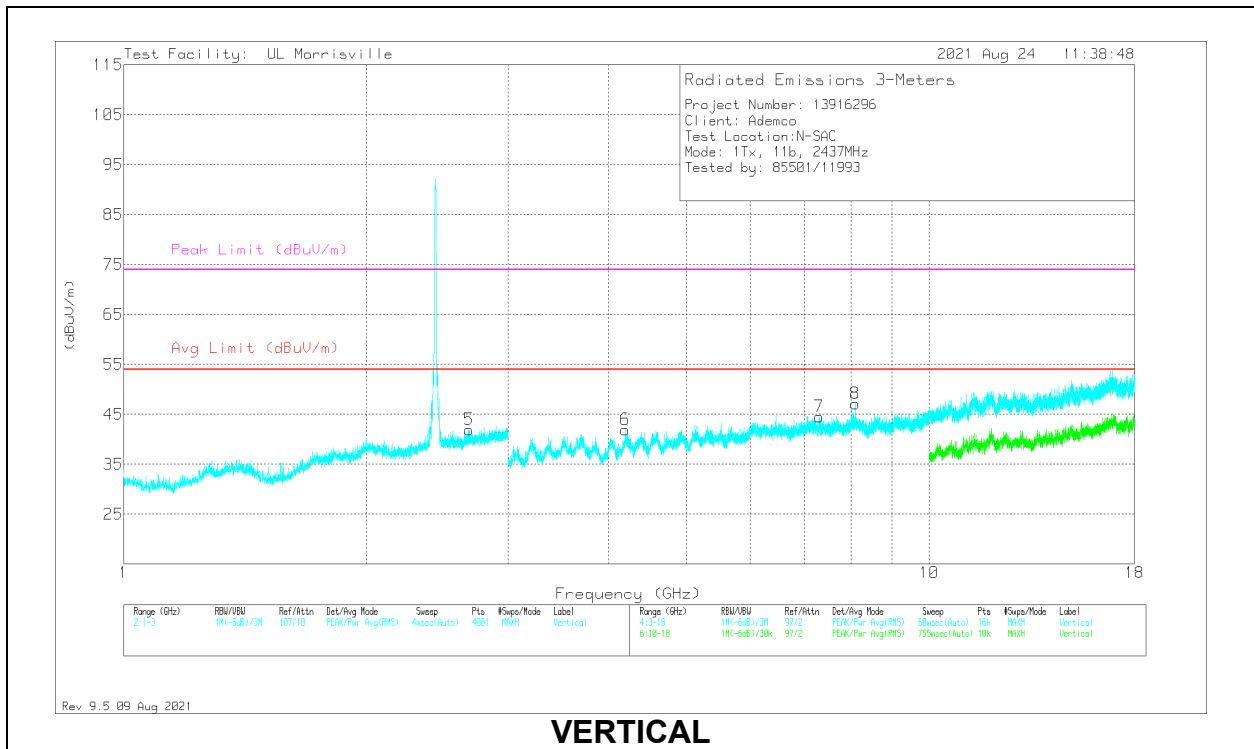
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

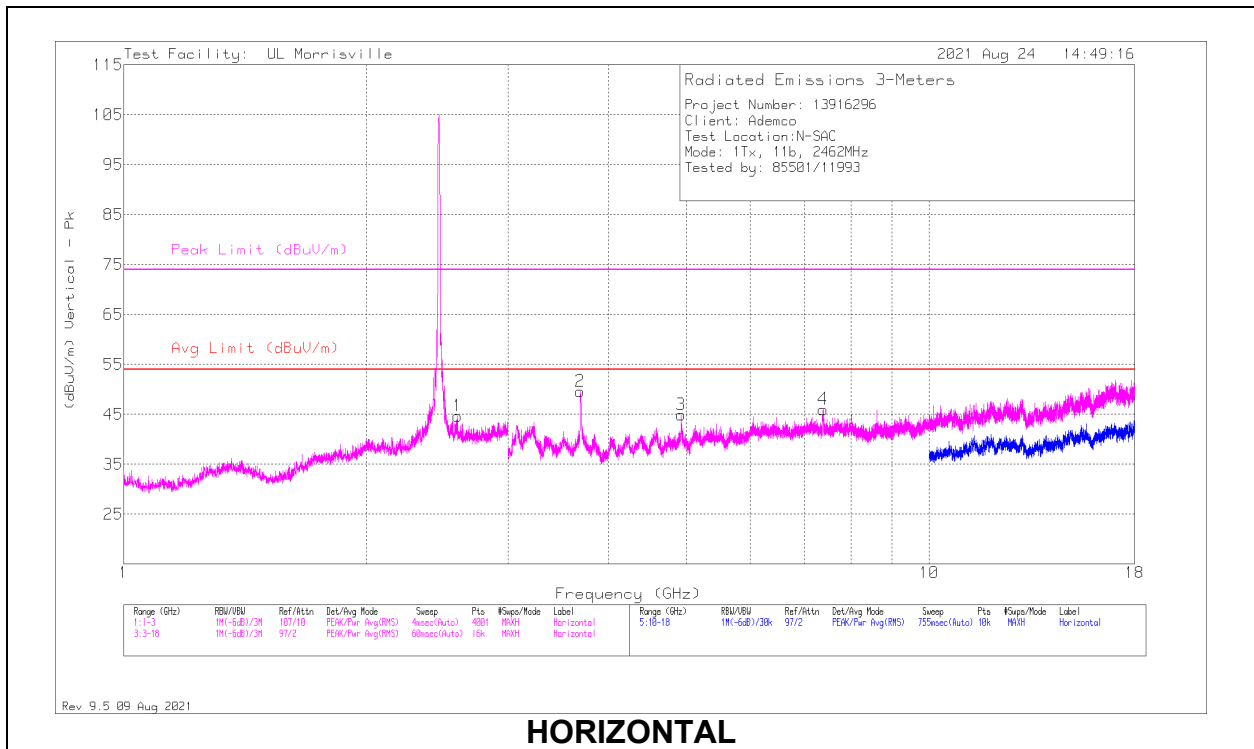
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.682 | 35.68 | Pk | 32.5 | -24 | 44.18 | 54 | -9.82 | 74 | -29.82 | 0-360 | 200 | H |
| 5 | * ** 2.682 | 33.39 | Pk | 32.5 | -24 | 41.89 | 54 | -12.11 | 74 | -32.11 | 0-360 | 101 | V |
| 2 | * ** 3.65625 | 45.24 | Pk | 33.4 | -31.2 | 47.44 | 54 | -6.56 | 74 | -26.56 | 0-360 | 200 | H |
| 6 | * ** 4.19531 | 39.83 | Pk | 33.7 | -31.6 | 41.93 | 54 | -12.07 | 74 | -32.07 | 0-360 | 101 | V |
| 7 | * ** 7.305 | 37.79 | Pk | 35.6 | -28.8 | 44.59 | 54 | -9.41 | 74 | -29.41 | 0-360 | 101 | V |
| 3 | * ** 7.31156 | 39.74 | Pk | 35.6 | -28.5 | 46.84 | 54 | -7.16 | 74 | -27.16 | 0-360 | 101 | H |
| 8 | * ** 8.09344 | 39.26 | Pk | 35.9 | -28 | 47.16 | 54 | -6.84 | 74 | -26.84 | 0-360 | 200 | V |
| 4 | * ** 8.10281 | 37.59 | Pk | 35.9 | -28.2 | 45.29 | 54 | -8.71 | 74 | -28.71 | 0-360 | 200 | H |

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

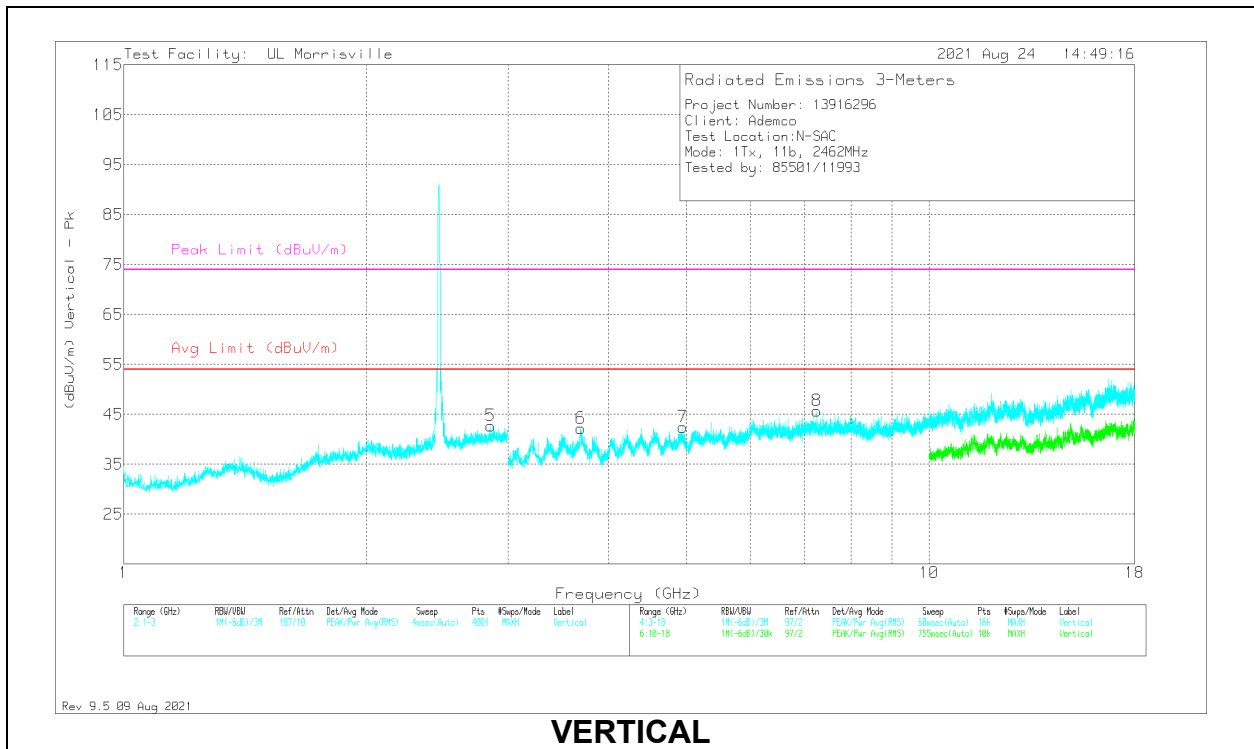
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | ** 2.5985 | 36.68 | Pk | 32.5 | -24.5 | 44.68 | - | - | - | - | 0-360 | 101 | H |
| 5 | *** 2.8555 | 33.99 | Pk | 32.4 | -23.7 | 42.69 | 54 | -11.31 | 74 | -31.31 | 0-360 | 200 | V |
| 2 | *** 3.69169 | 51.11 | PK2 | 33.3 | -32.3 | 52.11 | - | - | 74 | -21.89 | 49 | 104 | H |
| | *** 3.69124 | 40.84 | ADV | 33.3 | -32.3 | 41.84 | 54 | -12.16 | - | - | 49 | 104 | H |
| 6 | *** 3.69188 | 41.2 | Pk | 33.3 | -32.3 | 42.2 | 54 | -11.8 | 74 | -31.8 | 0-360 | 200 | V |
| 3 | *** 4.92375 | 42.38 | Pk | 34.2 | -31.7 | 44.88 | 54 | -9.12 | 74 | -29.12 | 0-360 | 101 | H |
| 7 | *** 4.94625 | 40.35 | Pk | 34.3 | -32.2 | 42.45 | 54 | -11.55 | 74 | -31.55 | 0-360 | 200 | V |
| 8 | *** 7.26094 | 38.96 | Pk | 35.7 | -29 | 45.66 | 54 | -8.34 | 74 | -28.34 | 0-360 | 200 | V |
| 4 | *** 7.3875 | 39.12 | Pk | 35.6 | -28.7 | 46.02 | 54 | -7.98 | 74 | -27.98 | 0-360 | 101 | H |

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

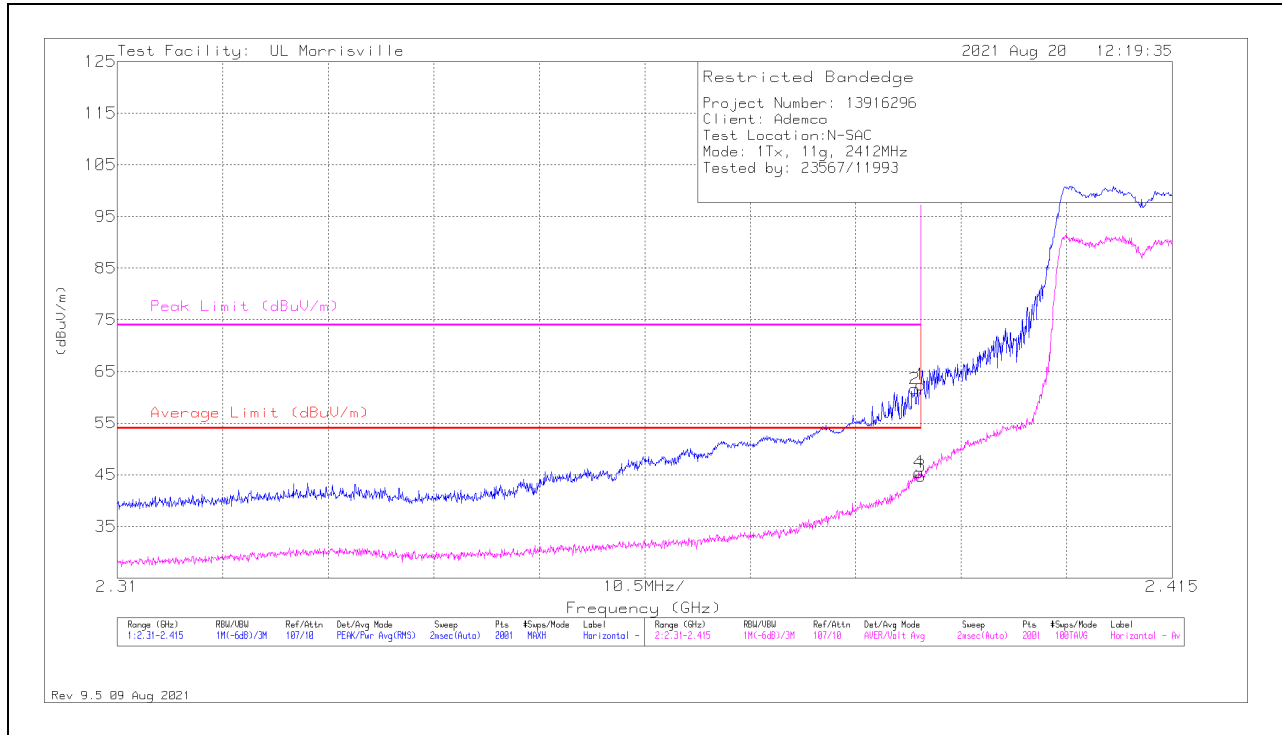
ADV - Linear Voltage Average

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.38996 | 54.94 | Pk | 31.8 | -24.3 | 62.44 | - | - | 74 | -11.56 | 152 | 109 | H |
| 2 | * ** 2.38938 | 54.12 | Pk | 31.8 | -24.3 | 61.62 | - | - | 74 | -12.38 | 152 | 109 | H |
| 3 | * ** 2.38996 | 37.26 | ADV | 31.8 | -24.3 | 44.76 | 54 | -9.24 | - | - | 152 | 109 | H |
| 4 | * ** 2.3898 | 37.97 | ADV | 31.8 | -24.3 | 45.47 | 54 | -8.53 | - | - | 152 | 109 | H |

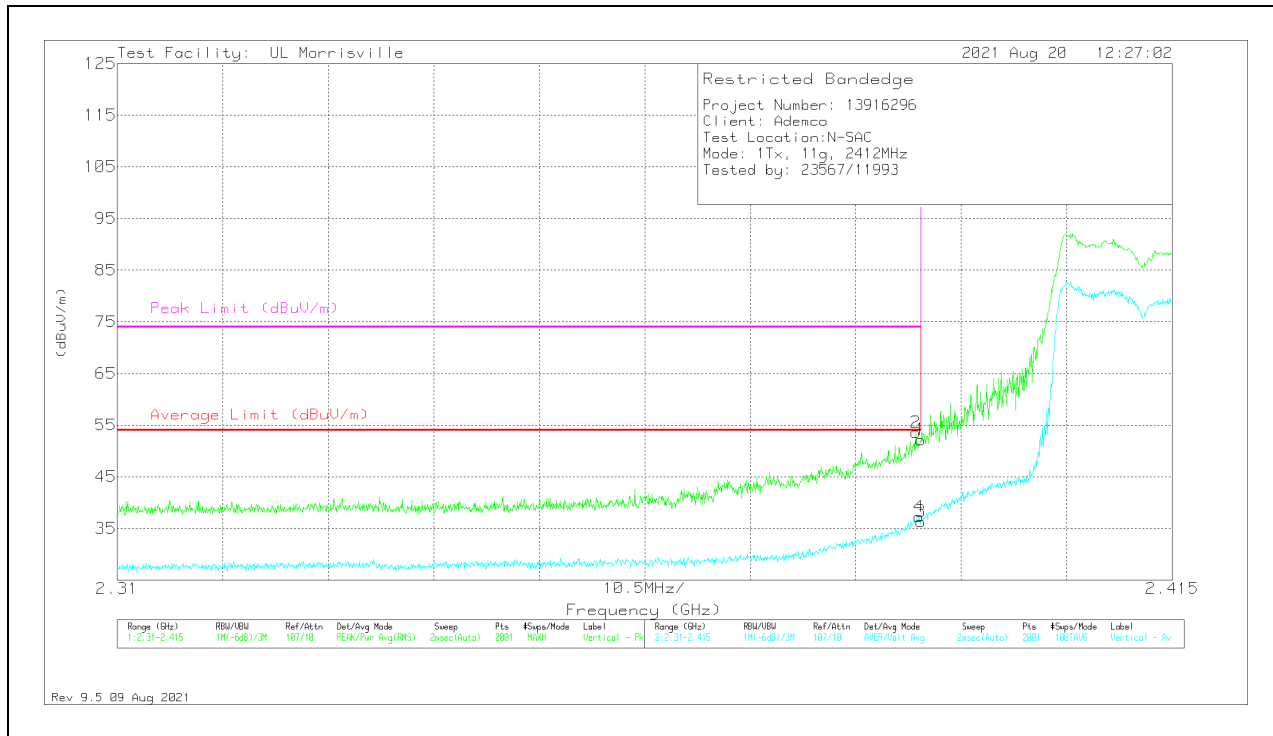
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.38996 | 44.67 | Pk | 31.8 | -24.3 | 52.17 | - | - | 74 | -21.83 | 297 | 109 | V |
| 2 | * ** 2.38949 | 46.08 | Pk | 31.8 | -24.3 | 53.58 | - | - | 74 | -20.42 | 297 | 109 | V |
| 3 | * ** 2.38996 | 28.85 | ADV | 31.8 | -24.3 | 36.35 | 54 | -17.65 | - | - | 297 | 109 | V |
| 4 | * ** 2.3898 | 29.78 | ADV | 31.8 | -24.3 | 37.28 | 54 | -16.72 | - | - | 297 | 109 | V |

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

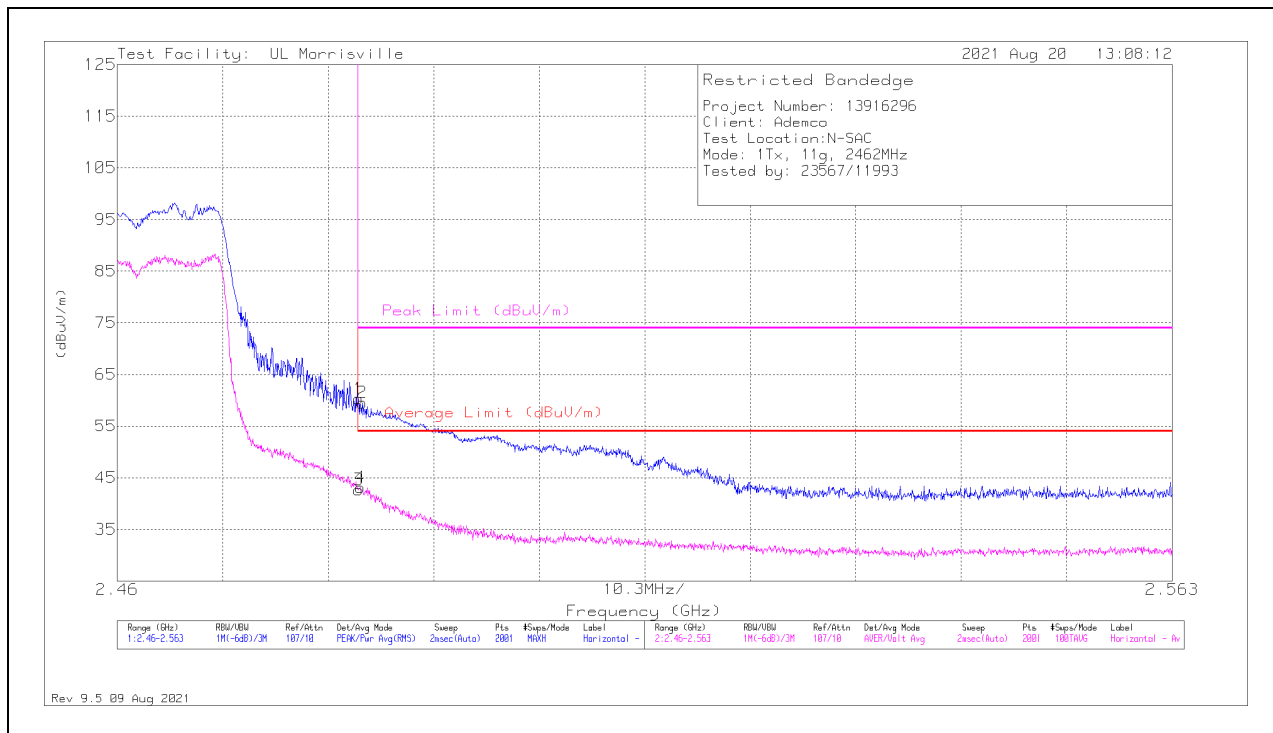
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

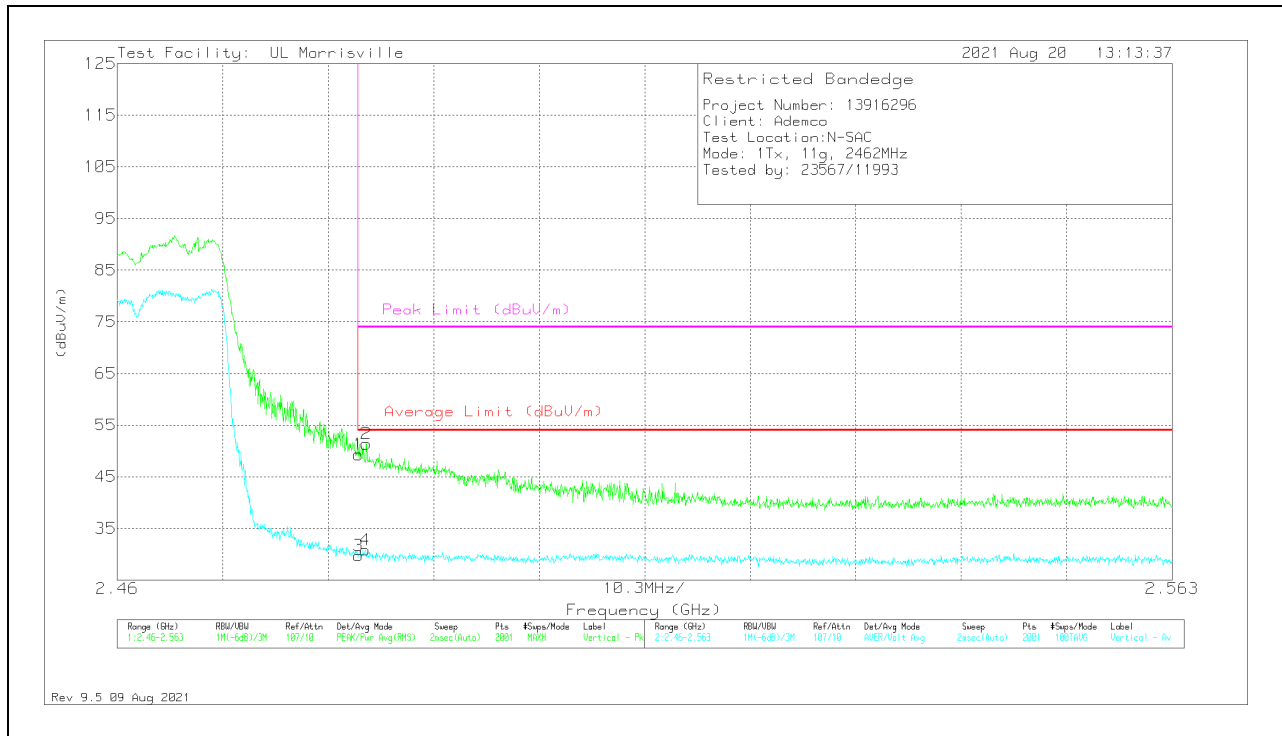
HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth(Degs) | Height(cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|---------------|------------|----------|
| 1 | * ** 2.48354 | 52.48 | Pk | 32.4 | -24.6 | 60.28 | - | - | 74 | -13.72 | 96 | 153 | H |
| 2 | * ** 2.4839 | 51.62 | Pk | 32.5 | -24.6 | 59.52 | - | - | 74 | -14.48 | 96 | 153 | H |
| 3 | * ** 2.48354 | 34.88 | ADV | 32.4 | -24.6 | 42.68 | 54 | -11.32 | - | - | 96 | 153 | H |
| 4 | * ** 2.48374 | 35.23 | ADV | 32.5 | -24.6 | 43.13 | 54 | -10.87 | - | - | 96 | 153 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

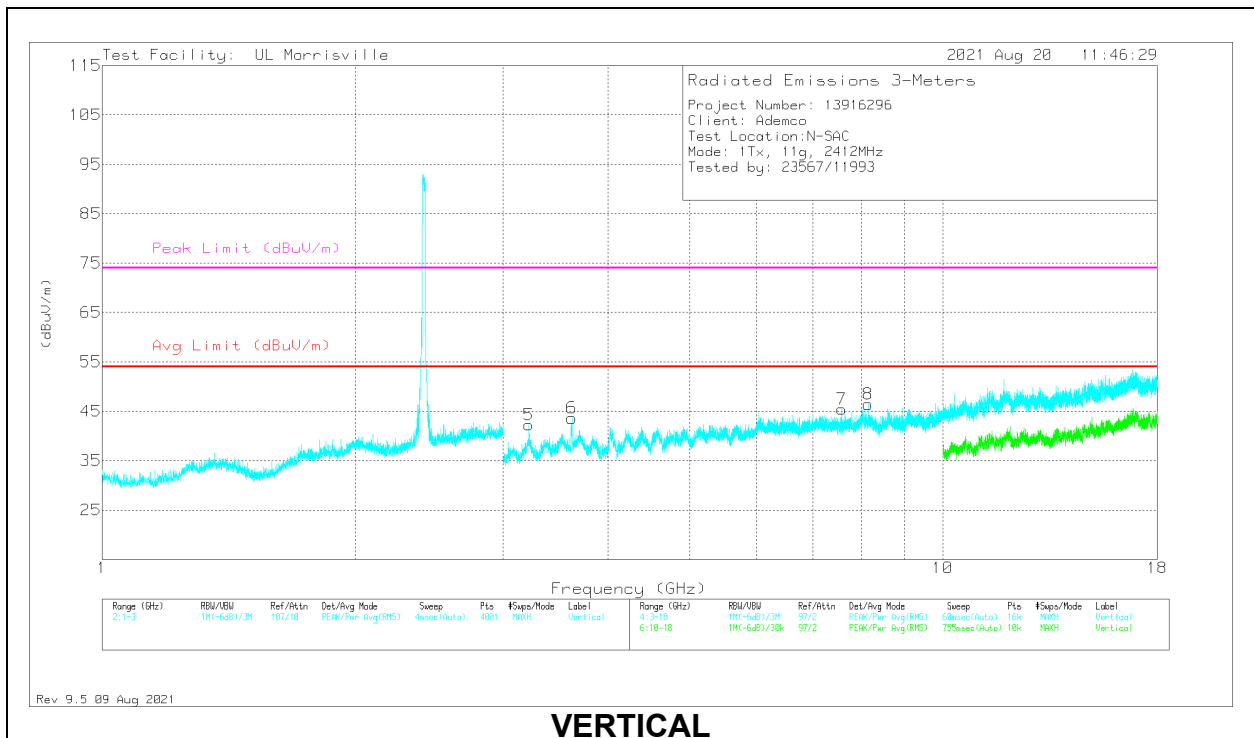
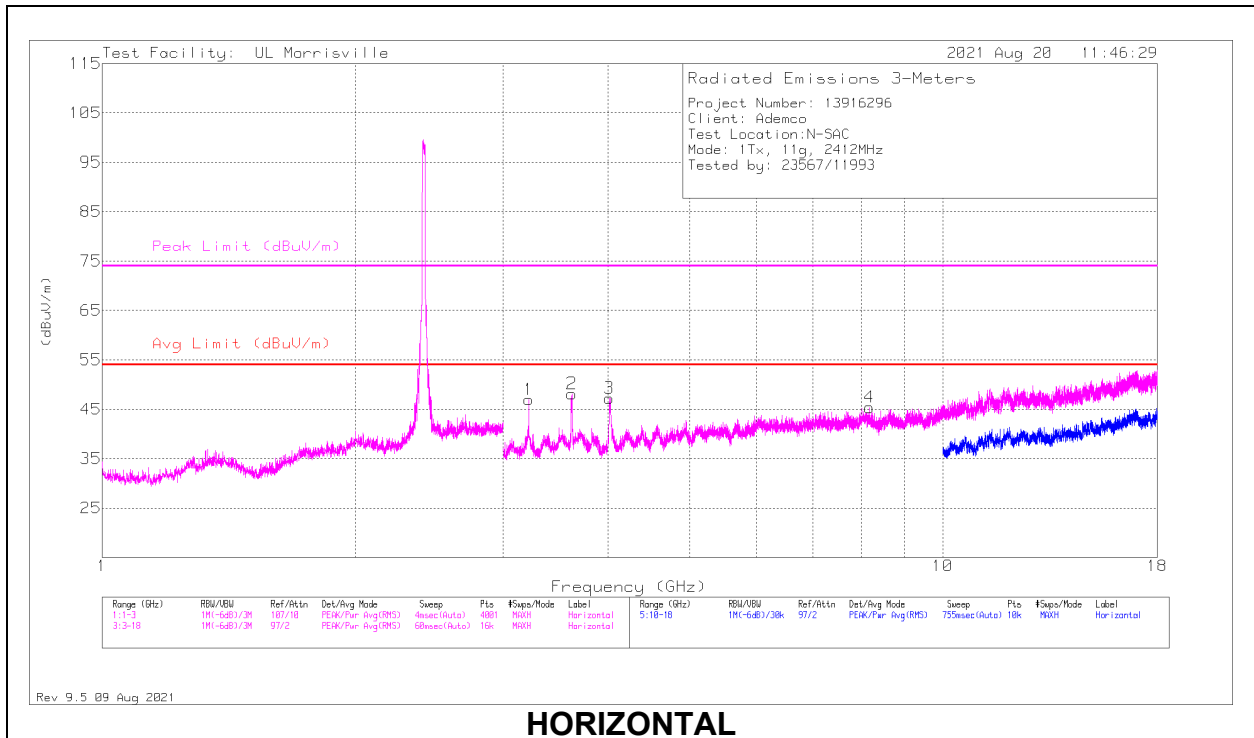


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *** 2.48354 | 41.5 | Pk | 32.4 | -24.6 | 49.3 | - | - | 74 | -24.7 | 259 | 235 | V |
| 2 | *** 2.48431 | 43.48 | Pk | 32.5 | -24.6 | 51.38 | - | - | 74 | -22.62 | 259 | 235 | V |
| 3 | *** 2.48354 | 21.93 | ADV | 32.4 | -24.6 | 29.73 | 54 | -24.27 | - | - | 259 | 235 | V |
| 4 | *** 2.48421 | 22.91 | ADV | 32.5 | -24.6 | 30.81 | 54 | -23.19 | - | - | 259 | 235 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Fitr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | *** 3.62159 | 50.4 | PK2 | 33.3 | -31.6 | 52.1 | - | - | 74 | -21.9 | 186 | 111 | H |
| | *** 3.62035 | 39.33 | ADV | 33.3 | -31.7 | 40.93 | 54 | -13.07 | - | - | 186 | 111 | H |
| 3 | *** 4.0125 | 46.15 | Pk | 33.2 | -32.1 | 47.25 | 54 | -6.75 | 74 | -26.75 | 0-360 | 200 | H |
| 4 | *** 8.17969 | 38.18 | Pk | 35.9 | -28.7 | 45.38 | 54 | -8.62 | 74 | -28.62 | 0-360 | 200 | H |
| 6 | *** 3.62063 | 42.02 | Pk | 33.3 | -31.7 | 43.62 | 54 | -10.38 | 74 | -30.38 | 0-360 | 101 | V |
| 7 | *** 7.58531 | 38.41 | Pk | 35.8 | -28.8 | 45.41 | 54 | -8.59 | 74 | -28.59 | 0-360 | 101 | V |
| 8 | *** 8.15156 | 39.32 | Pk | 35.9 | -28.8 | 46.42 | 54 | -7.58 | 74 | -27.58 | 0-360 | 200 | V |
| 1 | 3.21563 | 46.56 | Pk | 32.9 | -32.5 | 46.96 | - | - | - | - | 0-360 | 200 | H |
| 5 | 3.21563 | 41.83 | Pk | 32.9 | -32.5 | 42.23 | - | - | - | - | 0-360 | 101 | V |

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

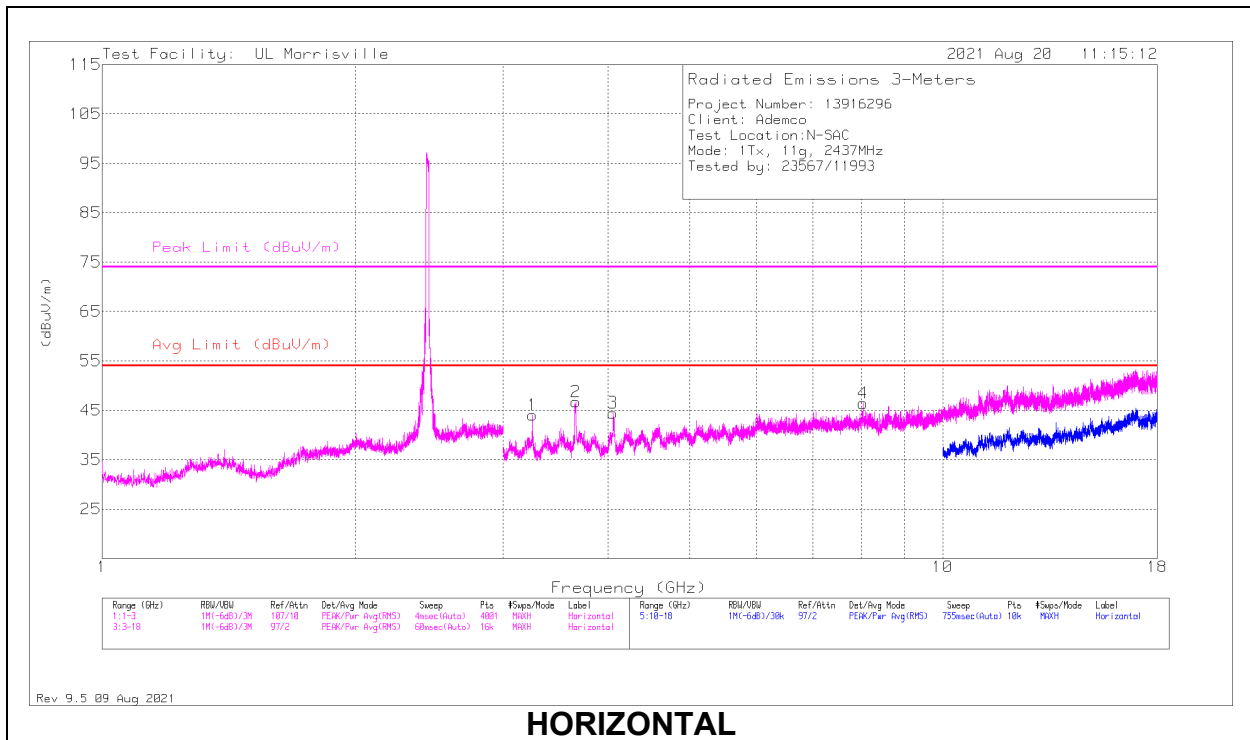
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

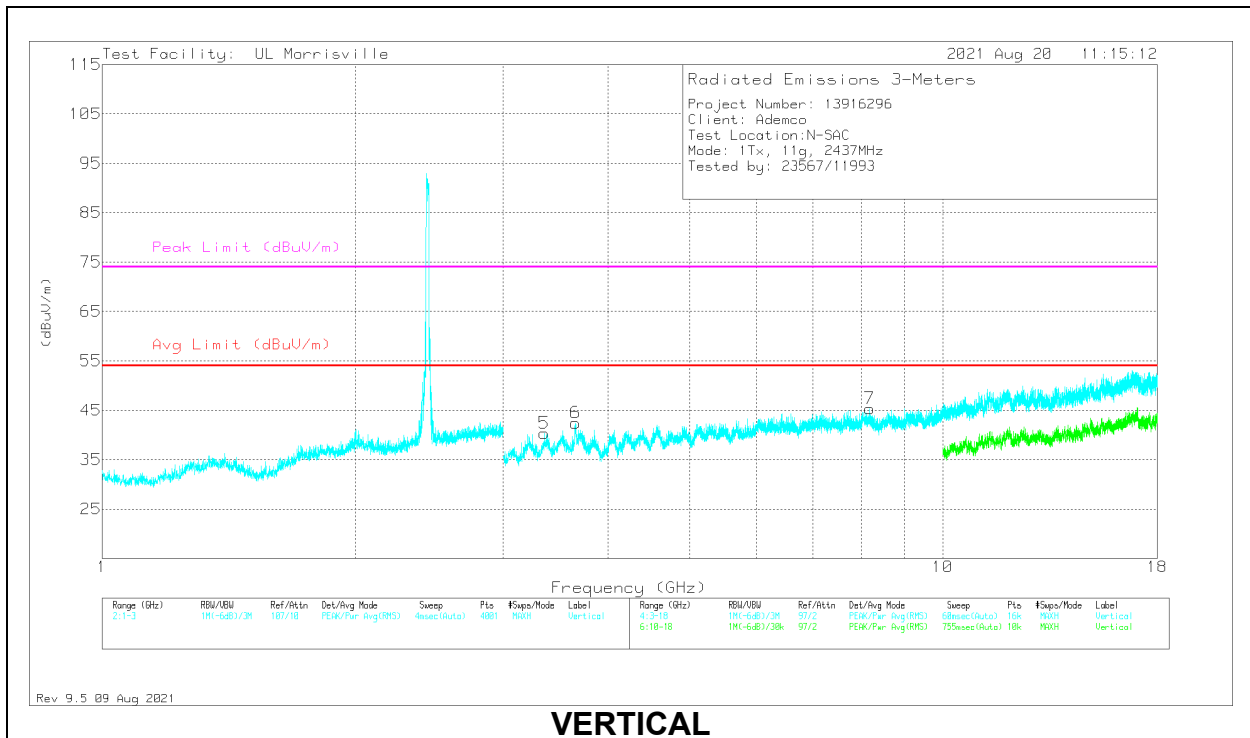
PK2 - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Filtr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | * ** 3.66188 | 44.71 | Pk | 33.4 | -31.4 | 46.71 | 54 | -7.29 | 74 | -27.29 | 0-360 | 199 | H |
| 3 | * ** 4.05375 | 44.26 | Pk | 33.2 | -33 | 44.46 | 54 | -9.54 | 74 | -29.54 | 0-360 | 101 | H |
| 4 | * ** 8.04188 | 38.62 | Pk | 35.9 | -28.1 | 46.42 | 54 | -7.58 | 74 | -27.58 | 0-360 | 199 | H |
| 5 | * ** 3.35625 | 39.75 | Pk | 32.9 | -32.3 | 40.35 | 54 | -13.65 | 74 | -33.65 | 0-360 | 101 | V |
| 6 | * ** 3.65719 | 40.25 | Pk | 33.4 | -31.2 | 42.45 | 54 | -11.55 | 74 | -31.55 | 0-360 | 199 | V |
| 7 | * ** 8.18625 | 38.14 | Pk | 35.9 | -28.7 | 45.34 | 54 | -8.66 | 74 | -28.66 | 0-360 | 199 | V |
| 1 | 3.24938 | 43.81 | Pk | 32.9 | -32.7 | 44.01 | - | - | - | - | 0-360 | 199 | H |

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

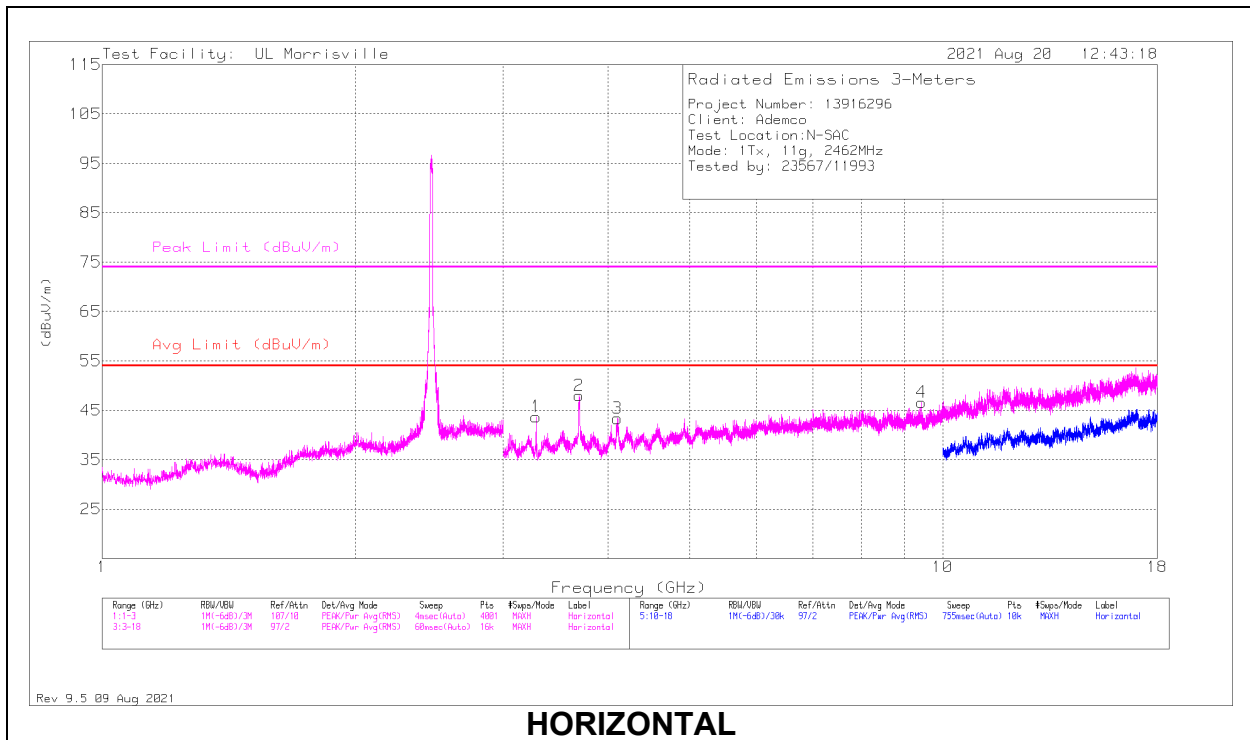
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

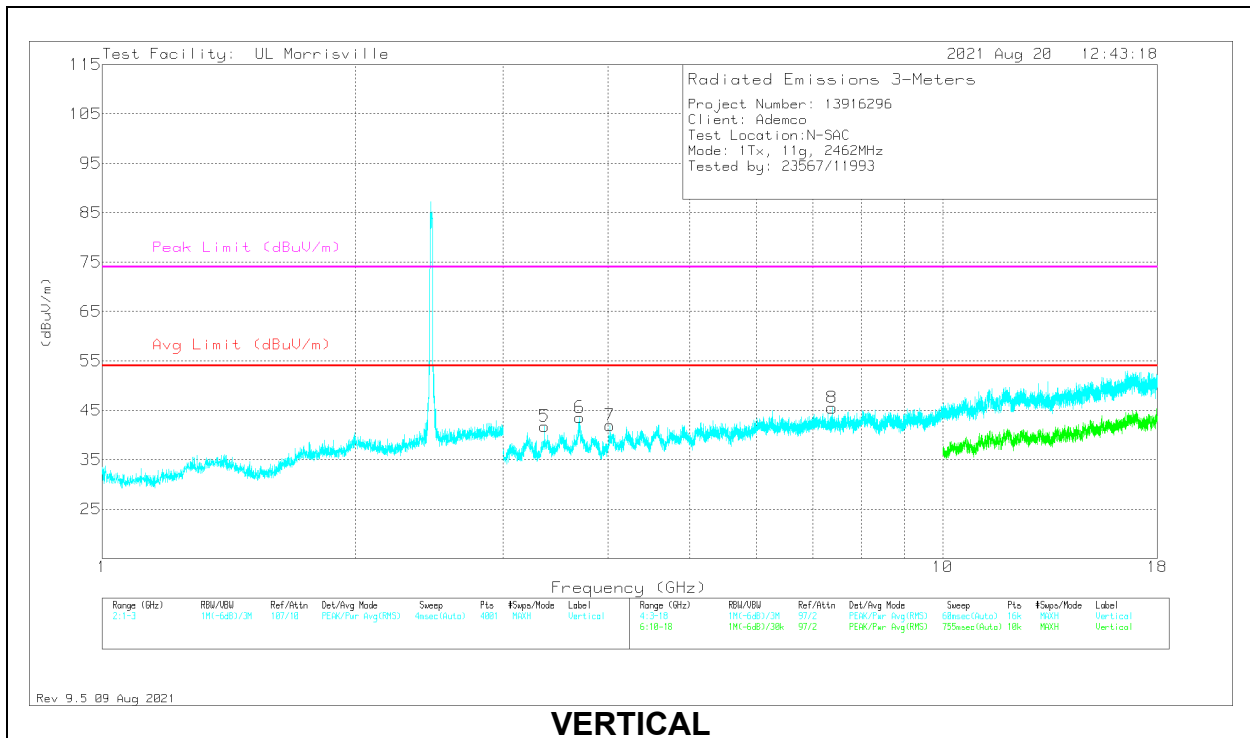
PK2 - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Filtr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | * ** 3.69375 | 46.77 | Pk | 33.3 | -32.1 | 47.97 | 54 | -6.03 | 74 | -26.03 | 0-360 | 199 | H |
| 3 | * ** 4.1025 | 42.95 | Pk | 33.2 | -32.8 | 43.35 | 54 | -10.65 | 74 | -30.65 | 0-360 | 199 | H |
| 4 | * ** 9.43594 | 38.29 | Pk | 36.3 | -28 | 46.59 | 54 | -7.41 | 74 | -27.41 | 0-360 | 199 | H |
| 6 | * ** 3.69844 | 42.55 | Pk | 33.3 | -32.3 | 43.55 | 54 | -10.45 | 74 | -30.45 | 0-360 | 200 | V |
| 7 | * ** 4.01719 | 40.54 | Pk | 33.2 | -31.8 | 41.94 | 54 | -12.06 | 74 | -32.06 | 0-360 | 200 | V |
| 8 | * ** 7.38375 | 38.32 | Pk | 35.6 | -28.4 | 45.52 | 54 | -8.48 | 74 | -28.48 | 0-360 | 200 | V |
| 1 | 3.28219 | 43.06 | Pk | 32.8 | -32.2 | 43.66 | - | - | - | - | 0-360 | 101 | H |
| 5 | 3.35813 | 41.19 | Pk | 32.9 | -32.3 | 41.79 | - | - | - | - | 0-360 | 101 | V |

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

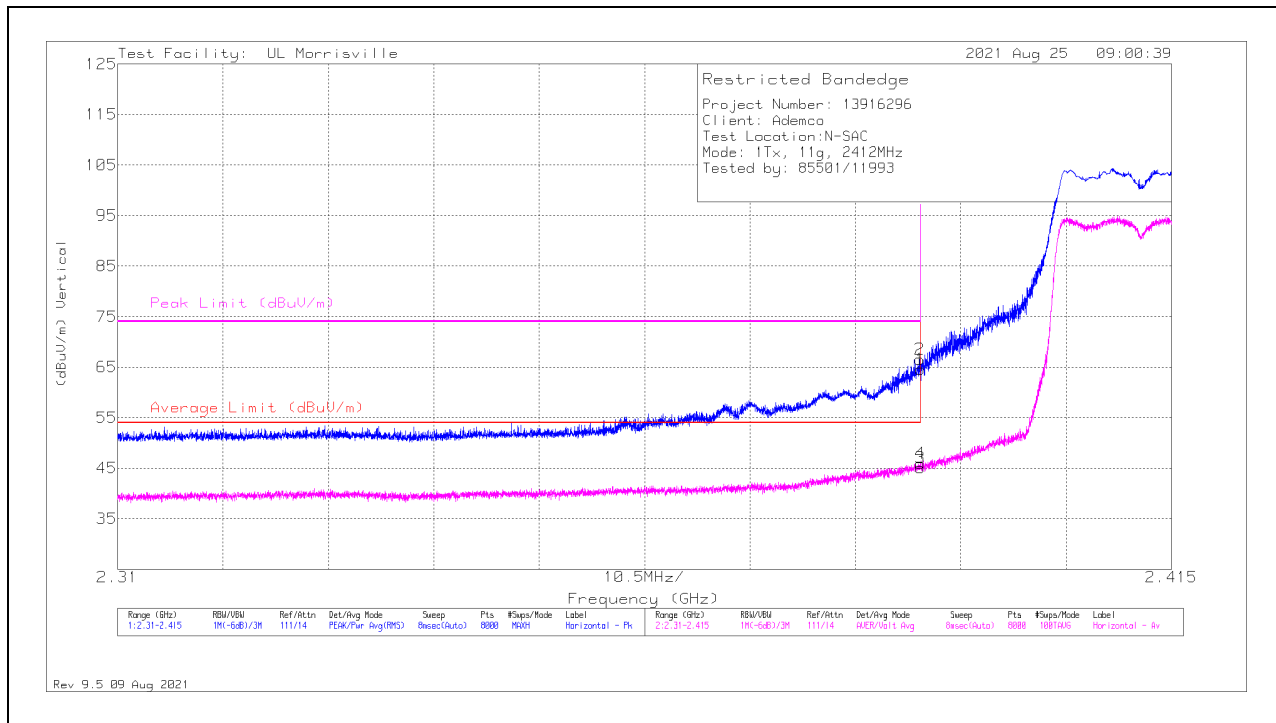
PK2 - Maximum Peak

ADV - Linear Voltage Average

1TX Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.39 | 47.05 | Pk | 31.8 | -24.3 | 10 | 64.55 | - | - | 74 | -9.45 | 360 | 127 | H |
| 2 | ** * 2.38993 | 49.01 | Pk | 31.8 | -24.3 | 10 | 66.51 | - | - | 74 | -7.49 | 360 | 127 | H |
| 3 | * ** 2.39 | 27.62 | ADV | 31.8 | -24.3 | 10 | 45.12 | 54 | -8.88 | - | - | 360 | 127 | H |
| 4 | * ** 2.38996 | 28.42 | ADV | 31.8 | -24.3 | 10 | 45.92 | 54 | -8.08 | - | - | 360 | 127 | H |

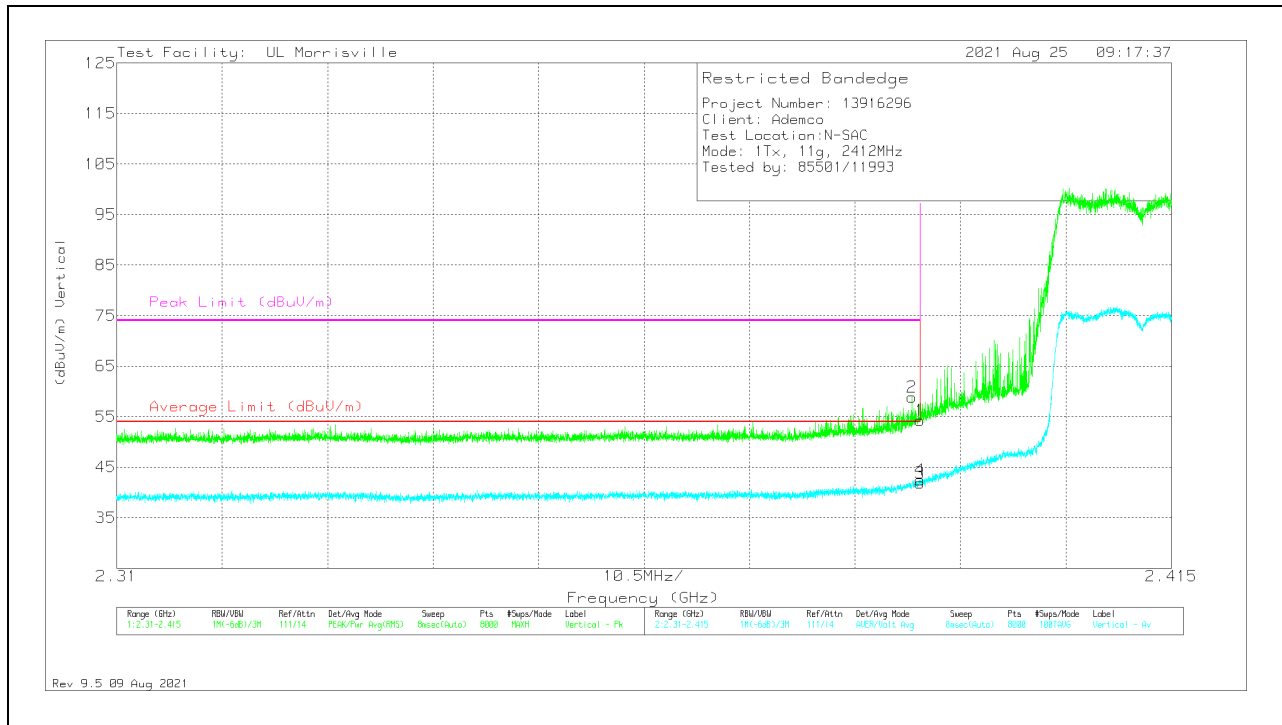
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

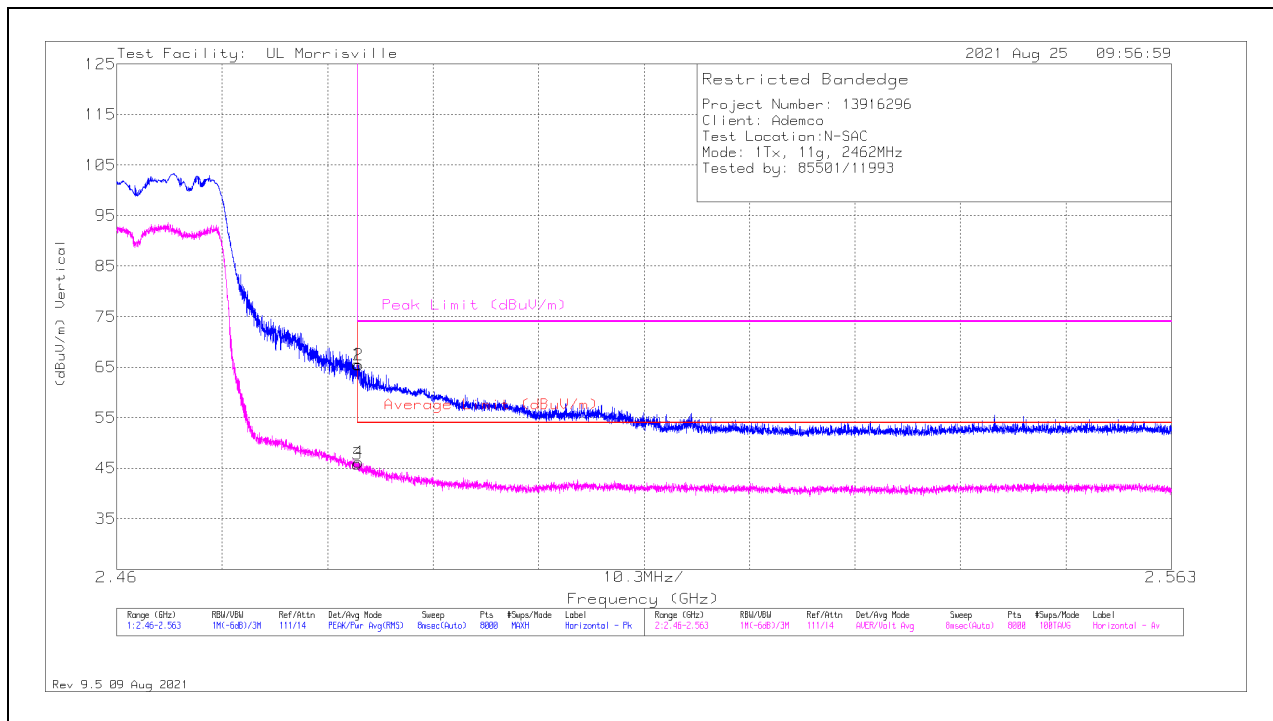


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.39 | 36.81 | Pk | 31.8 | -24.3 | 10 | 54.31 | - | - | 74 | -19.69 | 4 | 119 | V |
| 2 | * ** 2.38918 | 41.34 | Pk | 31.8 | -24.3 | 10 | 58.84 | - | - | 74 | -15.16 | 4 | 119 | V |
| 3 | * ** 2.39 | 24.35 | ADV | 31.8 | -24.3 | 10 | 41.85 | 54 | -12.15 | - | - | 4 | 119 | V |
| 4 | * ** 2.38997 | 24.92 | ADV | 31.8 | -24.3 | 10 | 42.42 | 54 | -11.58 | - | - | 4 | 119 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

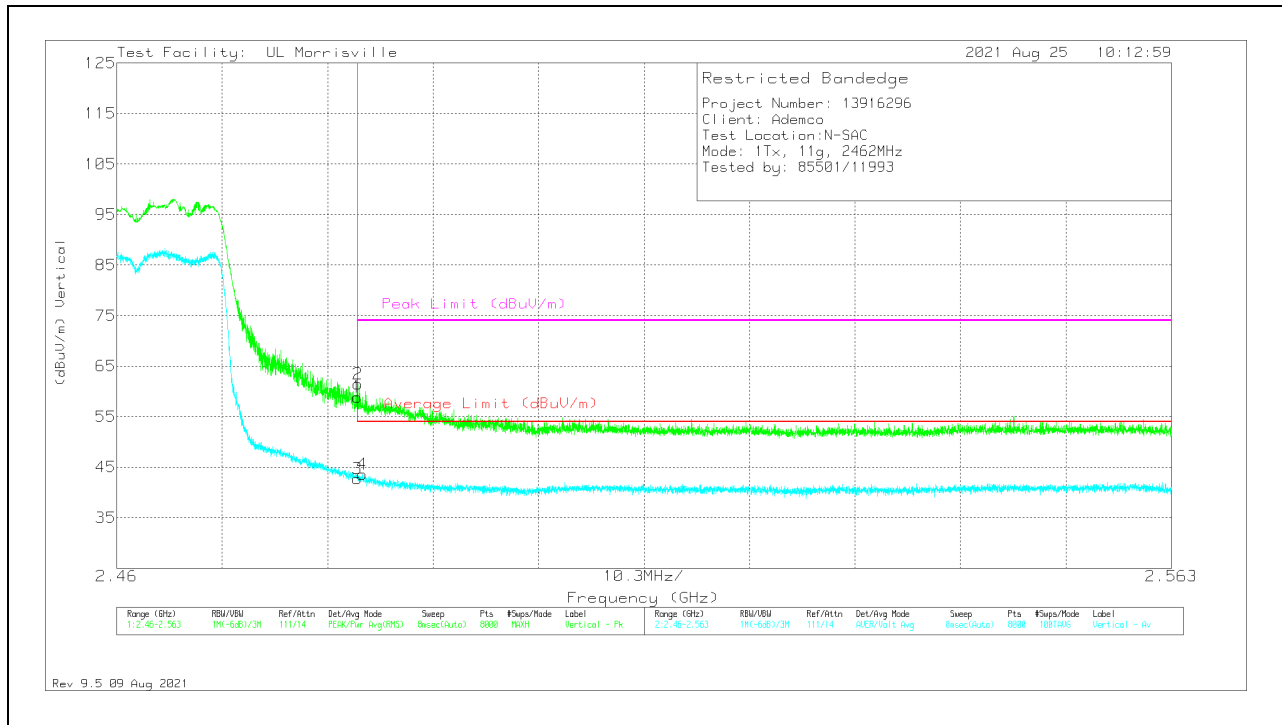
HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *** 2.4835 | 47.79 | Pk | 32.4 | -24.6 | 10 | 65.59 | - | - | 74 | -8.41 | 3 | 119 | H |
| 2 | *** 2.48363 | 47.56 | Pk | 32.5 | -24.6 | 10 | 65.46 | - | - | 74 | -8.54 | 3 | 119 | H |
| 3 | *** 2.4835 | 27.98 | ADV | 32.4 | -24.6 | 10 | 45.78 | 54 | -8.22 | - | - | 3 | 119 | H |
| 4 | *** 2.48364 | 28.28 | ADV | 32.5 | -24.6 | 10 | 46.18 | 54 | -7.82 | - | - | 3 | 119 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

VERTICAL RESULT

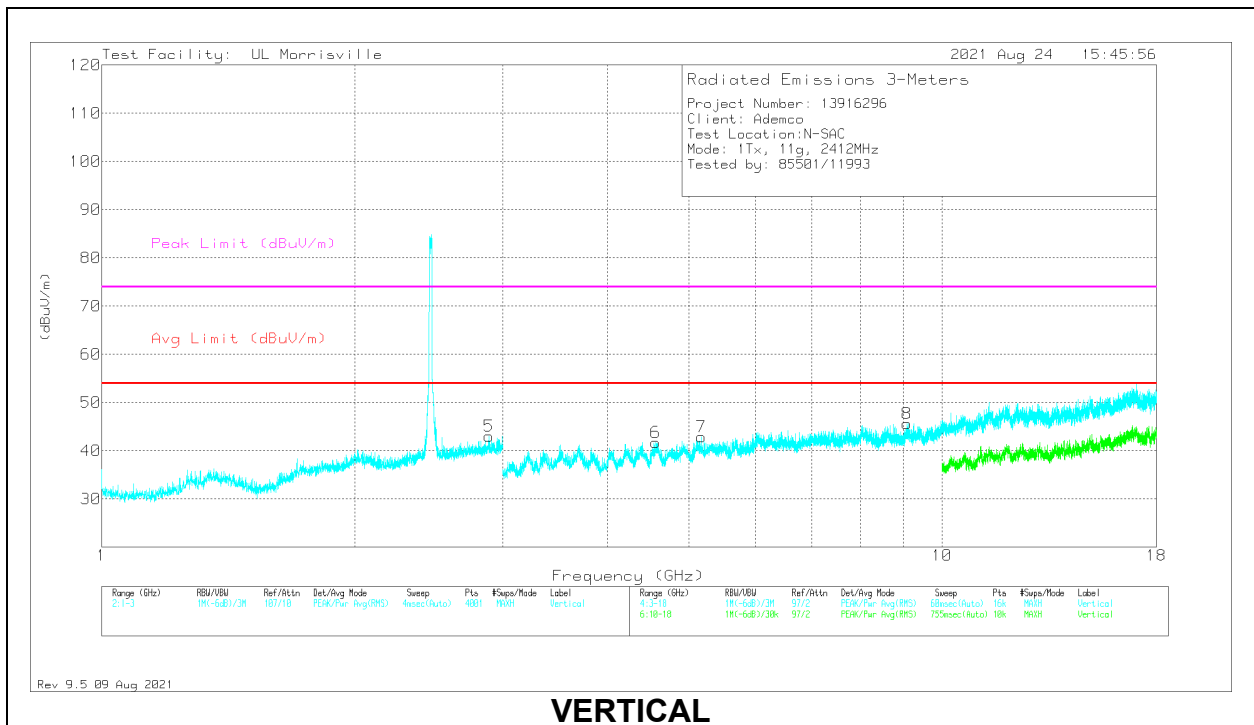
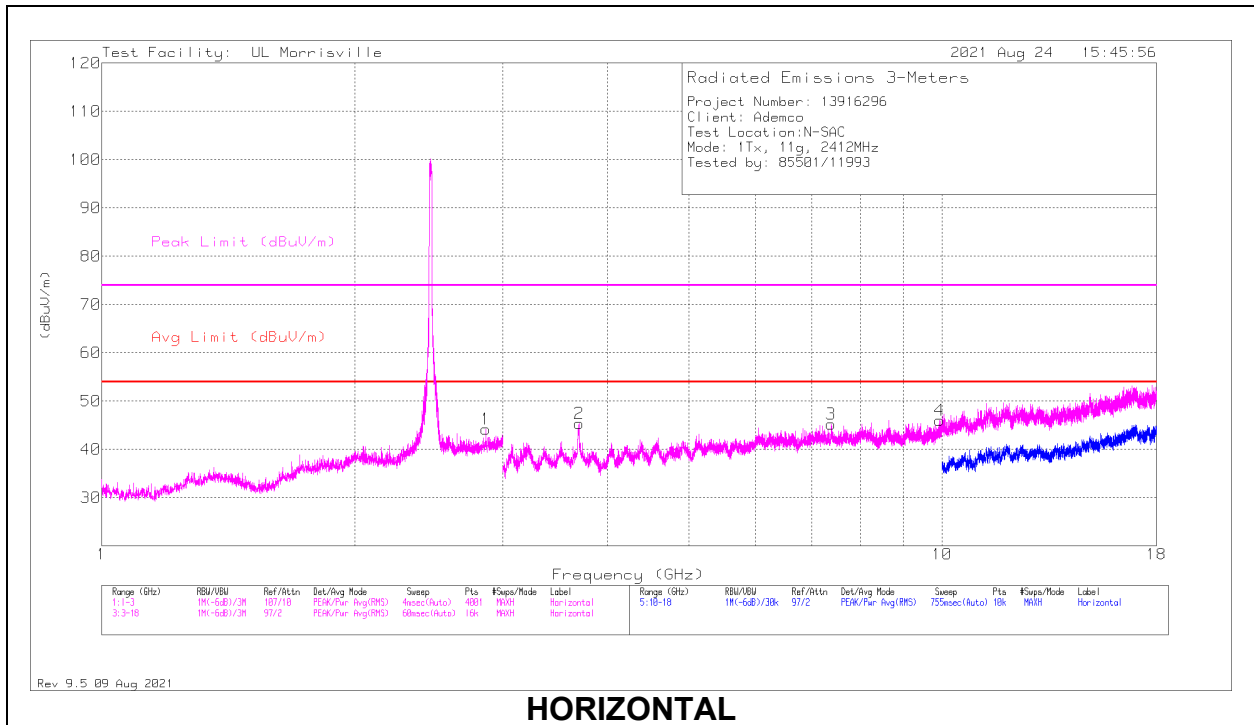


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *** 2.4835 | 41.12 | Pk | 32.4 | -24.6 | 10 | 58.92 | - | - | 74 | -15.08 | 334 | 379 | V |
| 2 | *** 2.48355 | 43.64 | Pk | 32.4 | -24.6 | 10 | 61.44 | - | - | 74 | -12.56 | 334 | 379 | V |
| 3 | *** 2.4835 | 24.9 | ADV | 32.4 | -24.6 | 10 | 42.7 | 54 | -11.3 | - | - | 334 | 379 | V |
| 4 | *** 2.48398 | 25.67 | ADV | 32.5 | -24.6 | 10 | 43.57 | 54 | -10.43 | - | - | 334 | 379 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

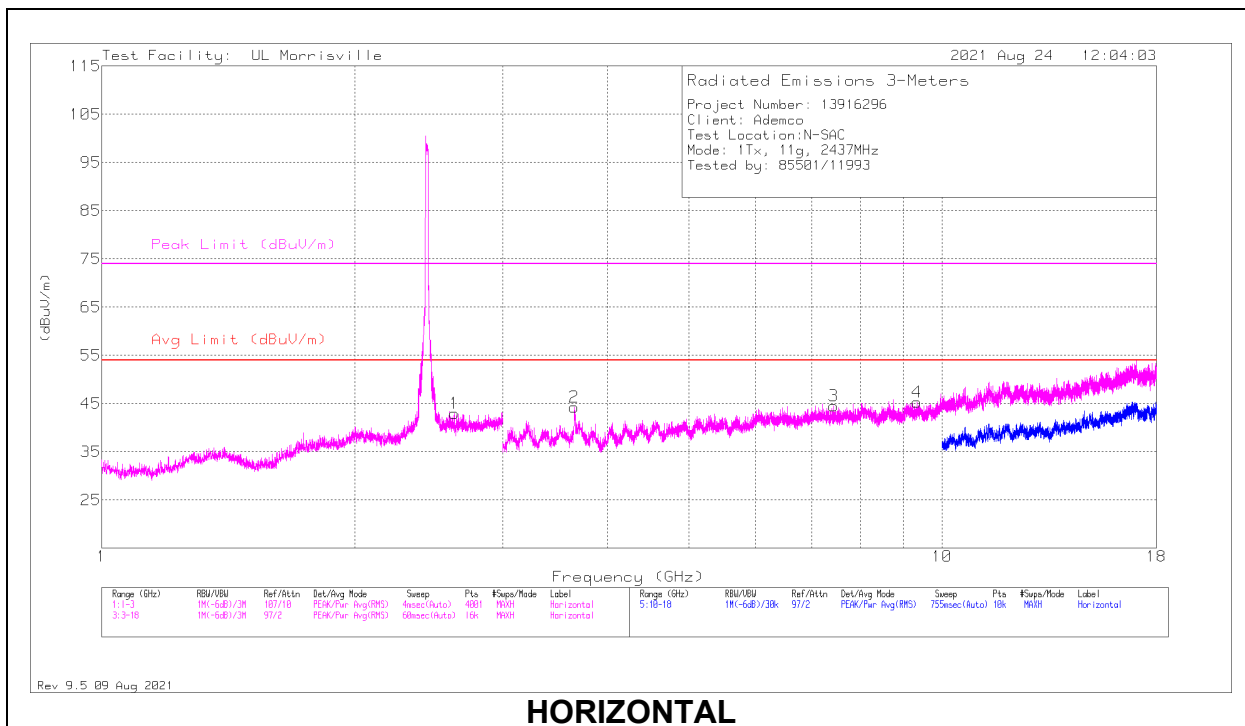
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *** 2.8665 | 35.48 | Pk | 32.5 | -23.8 | 44.18 | 54 | -9.82 | 74 | -29.82 | 0-360 | 101 | H |
| 5 | *** 2.88875 | 33.82 | Pk | 32.6 | -23.4 | 43.02 | 54 | -10.98 | 74 | -30.98 | 0-360 | 101 | V |
| 2 | *** 3.69938 | 44.27 | Pk | 33.3 | -32.2 | 45.37 | 54 | -8.63 | 74 | -28.63 | 0-360 | 200 | H |
| 6 | *** 4.56188 | 39.8 | Pk | 34.1 | -32.2 | 41.7 | 54 | -12.3 | 74 | -32.3 | 0-360 | 200 | V |
| 3 | *** 7.37625 | 38.13 | Pk | 35.6 | -28.5 | 45.23 | 54 | -8.77 | 74 | -28.77 | 0-360 | 101 | H |
| 8 | *** 9.0825 | 37.73 | Pk | 36.2 | -28.3 | 45.63 | 54 | -8.37 | 74 | -28.37 | 0-360 | 101 | V |
| 7 | ** 5.16938 | 40.41 | Pk | 34.4 | -31.9 | 42.91 | - | - | - | - | 0-360 | 101 | V |
| 4 | 9.93563 | 36.84 | Pk | 37 | -27.8 | 46.04 | - | - | - | - | 0-360 | 101 | H |

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

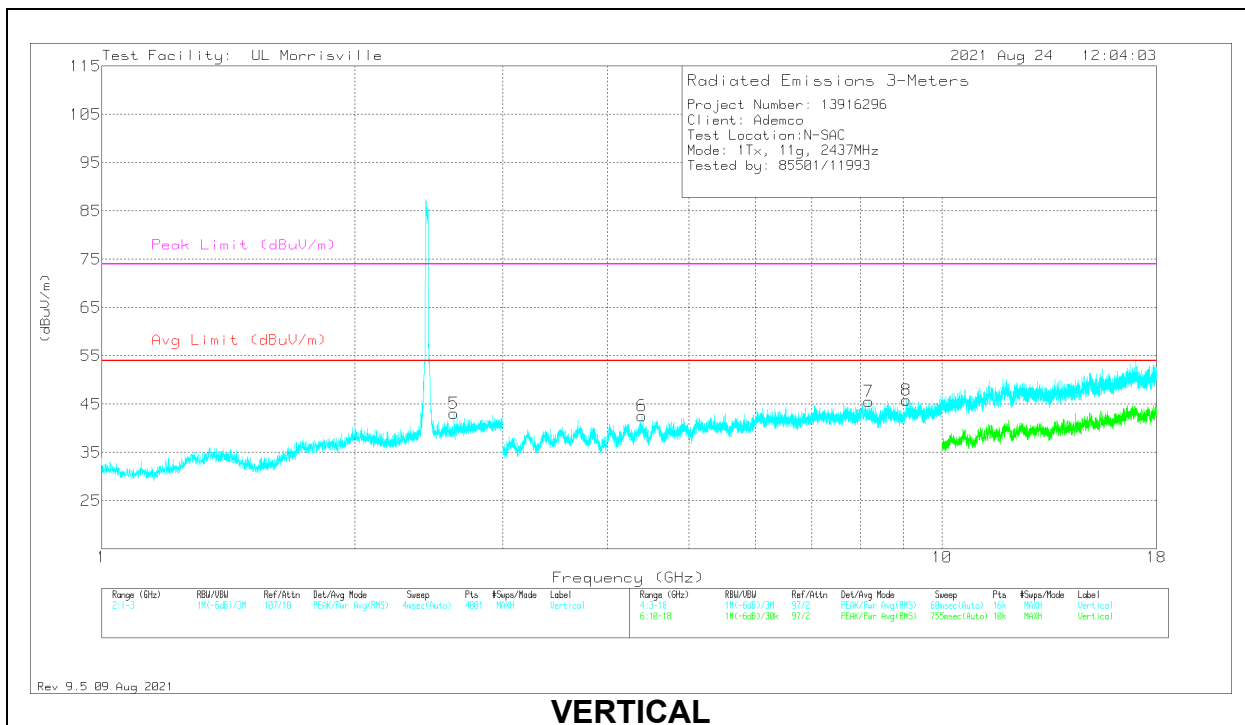
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

MID CHANNEL, CH 6 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

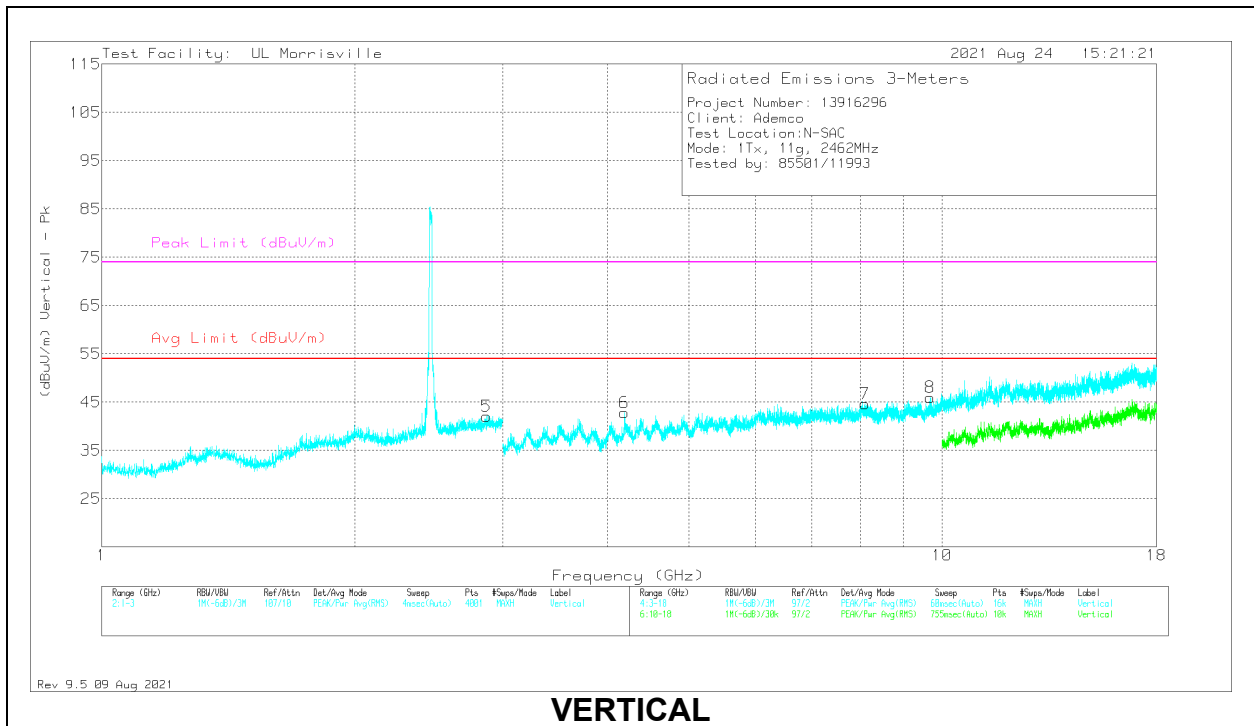
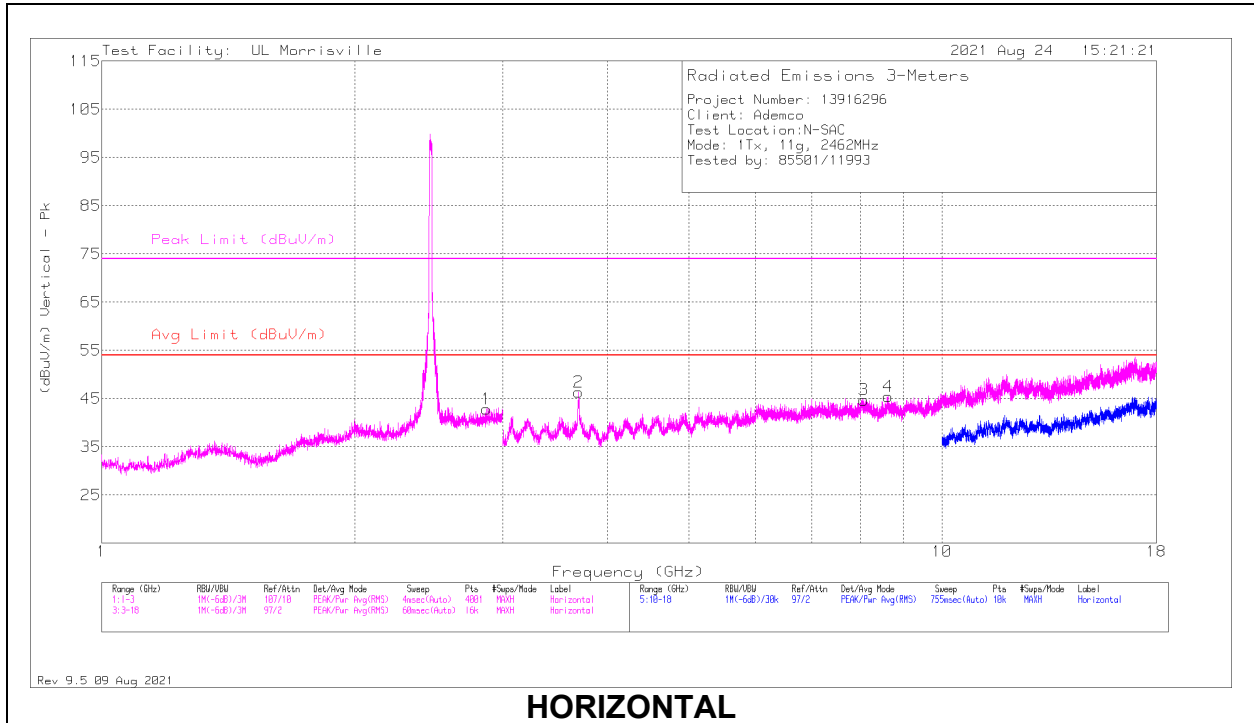
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | ** 2.6275 | 34.74 | Pk | 32.4 | -24.2 | 42.94 | - | - | - | - | 0-360 | 200 | H |
| 5 | ** 2.6255 | 34.88 | Pk | 32.4 | -24.2 | 43.08 | - | - | - | - | 0-360 | 200 | V |
| 2 | *** 3.6525 | 42.11 | Pk | 33.4 | -31.2 | 44.31 | 54 | -9.69 | 74 | -29.69 | 0-360 | 101 | H |
| 6 | *** 4.39313 | 40.93 | Pk | 34 | -32.3 | 42.63 | 54 | -11.37 | 74 | -31.37 | 0-360 | 200 | V |
| 3 | *** 7.43156 | 37.72 | Pk | 35.7 | -28.9 | 44.52 | 54 | -9.48 | 74 | -29.48 | 0-360 | 101 | H |
| 7 | *** 8.18625 | 38.41 | Pk | 35.9 | -28.7 | 45.61 | 54 | -8.39 | 74 | -28.39 | 0-360 | 101 | V |
| 8 | *** 9.06938 | 38.07 | Pk | 36.2 | -28.4 | 45.87 | 54 | -8.13 | 74 | -28.13 | 0-360 | 200 | V |
| 4 | *** 9.33844 | 37.32 | Pk | 36.4 | -28.4 | 45.32 | 54 | -8.68 | 74 | -28.68 | 0-360 | 101 | H |

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

HIGH CHANNEL, CH 11 RESULTS



RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.871 | 34.14 | Pk | 32.5 | -23.8 | 42.84 | 54 | -11.16 | 74 | -31.16 | 0-360 | 101 | H |
| 5 | * ** 2.871 | 33.38 | Pk | 32.5 | -23.8 | 42.08 | 54 | -11.92 | 74 | -31.92 | 0-360 | 200 | V |
| 2 | * ** 3.69563 | 45.1 | Pk | 33.3 | -32.1 | 46.3 | 54 | -7.7 | 74 | -27.7 | 0-360 | 101 | H |
| 6 | * ** 4.18969 | 40.93 | Pk | 33.7 | -31.8 | 42.83 | 54 | -11.17 | 74 | -31.17 | 0-360 | 101 | V |
| 3 | * ** 8.07469 | 37.43 | Pk | 35.9 | -28.6 | 44.73 | 54 | -9.27 | 74 | -29.27 | 0-360 | 101 | H |
| 7 | * ** 8.0925 | 36.8 | Pk | 35.9 | -28 | 44.7 | 54 | -9.3 | 74 | -29.3 | 0-360 | 200 | V |
| 4 | 8.62781 | 38.29 | Pk | 35.9 | -28.8 | 45.39 | - | - | - | - | 0-360 | 200 | H |
| 8 | 9.675 | 37.12 | Pk | 36.6 | -27.7 | 46.02 | - | - | - | - | 0-360 | 101 | V |

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

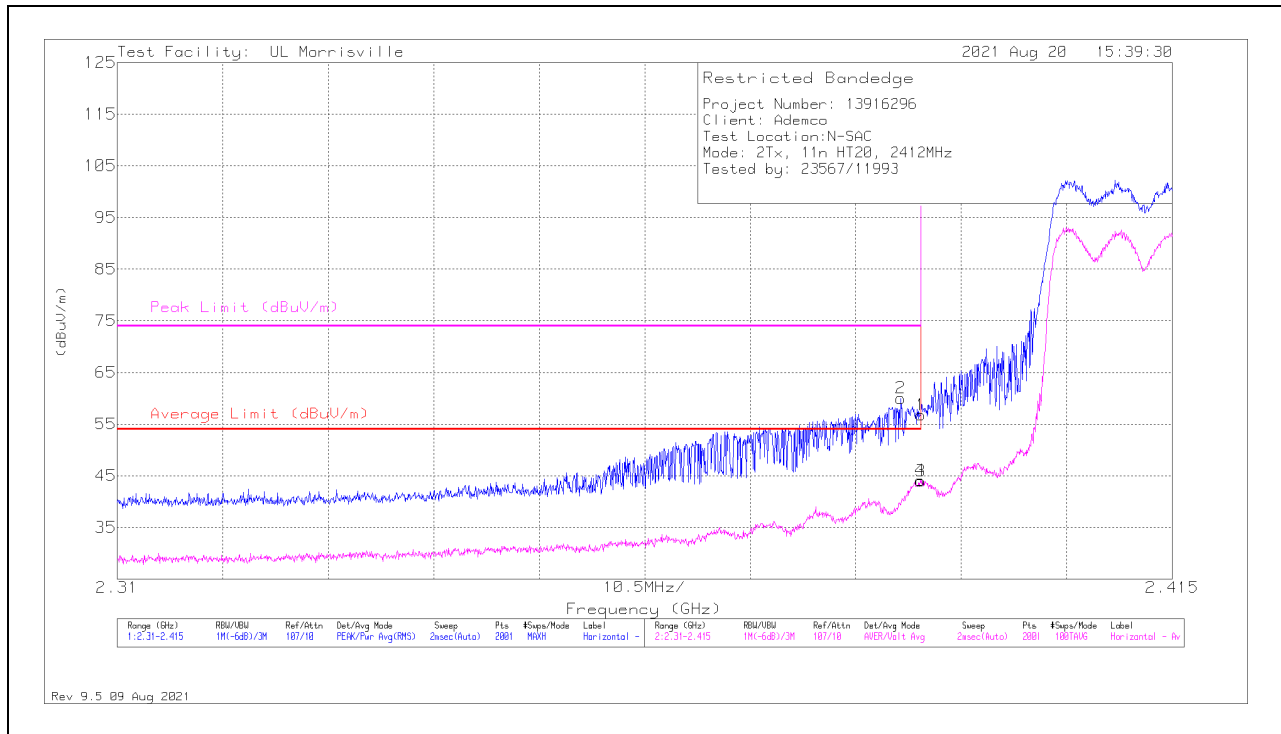
ADV - Linear Voltage Average

10.1.1. TX ABOVE 1 GHz 802.11nHT20 MODE IN THE 2.4 GHz BAND

2TX Antenna 1 + Antenna 2 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.38996 | 49.27 | Pk | 31.8 | -24.3 | 56.77 | - | - | 74 | -17.23 | 339 | 105 | H |
| 2 | * ** 2.38796 | 52.51 | Pk | 31.8 | -24.3 | 60.01 | - | - | 74 | -13.99 | 339 | 105 | H |
| 3 | * ** 2.38996 | 36.46 | ADV | 31.8 | -24.3 | 43.96 | 54 | -10.04 | - | - | 339 | 105 | H |
| 4 | * ** 2.38991 | 36.59 | ADV | 31.8 | -24.3 | 44.09 | 54 | -9.91 | - | - | 339 | 105 | H |

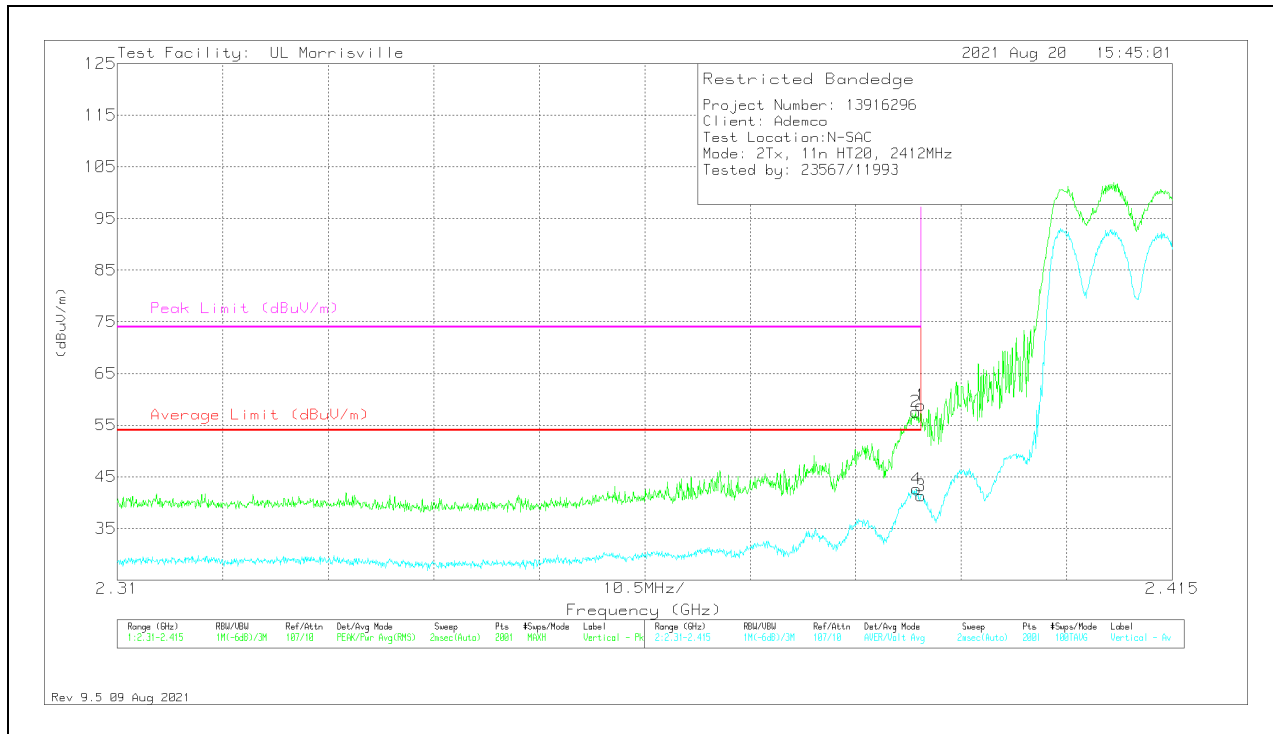
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.38996 | 51.33 | Pk | 31.8 | -24.3 | 58.83 | - | - | 74 | -15.17 | 291 | 354 | V |
| 2 | * ** 2.38949 | 50.09 | Pk | 31.8 | -24.3 | 57.59 | - | - | 74 | -16.41 | 291 | 354 | V |
| 3 | * ** 2.38996 | 33.81 | ADV | 31.8 | -24.3 | 41.31 | 54 | -12.69 | - | - | 291 | 354 | V |
| 4 | * ** 2.38954 | 35.13 | ADV | 31.8 | -24.3 | 42.63 | 54 | -11.37 | - | - | 291 | 354 | V |

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

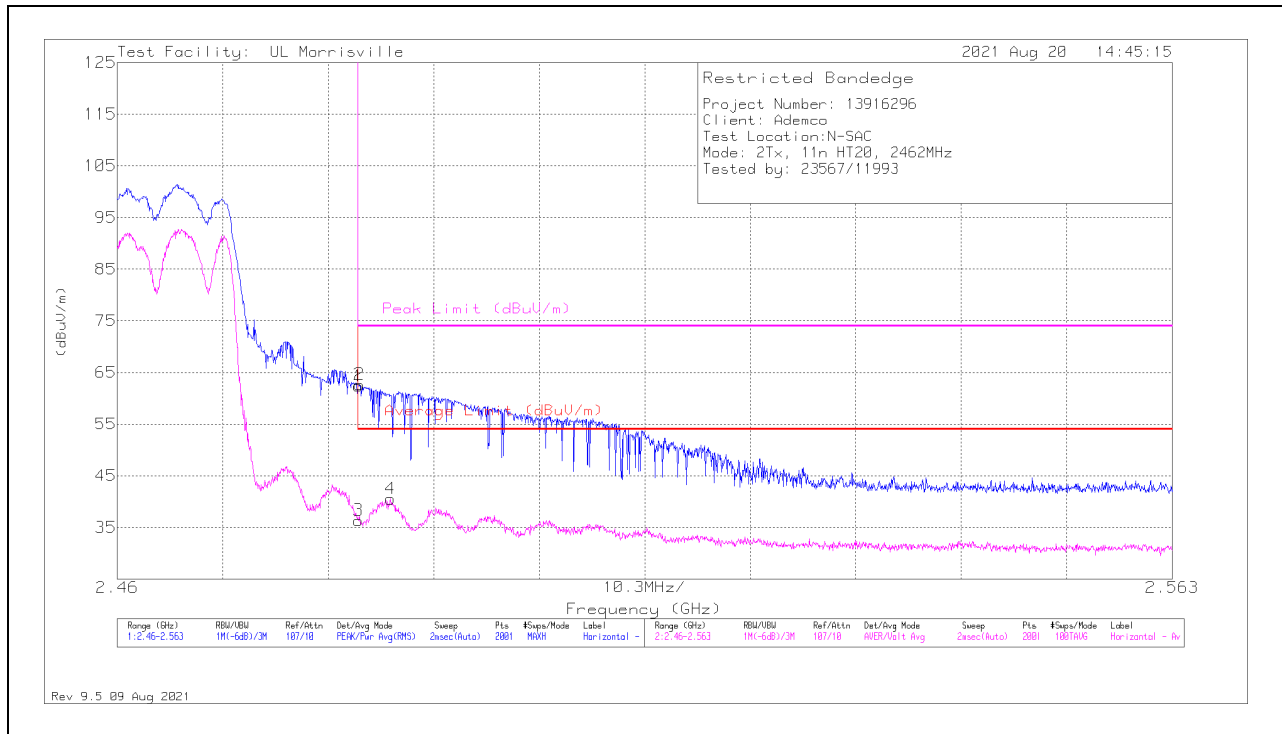
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.48354 | 54.58 | Pk | 32.4 | -24.6 | 62.38 | - | - | 74 | -11.62 | 104 | 115 | H |
| 2 | * ** 2.48364 | 54.77 | Pk | 32.5 | -24.6 | 62.67 | - | - | 74 | -11.33 | 104 | 115 | H |
| 3 | * ** 2.48354 | 28.55 | ADV | 32.4 | -24.6 | 36.35 | 54 | -17.65 | - | - | 104 | 115 | H |
| 4 | * ** 2.48668 | 32.64 | ADV | 32.5 | -24.6 | 40.54 | 54 | -13.46 | - | - | 104 | 115 | H |

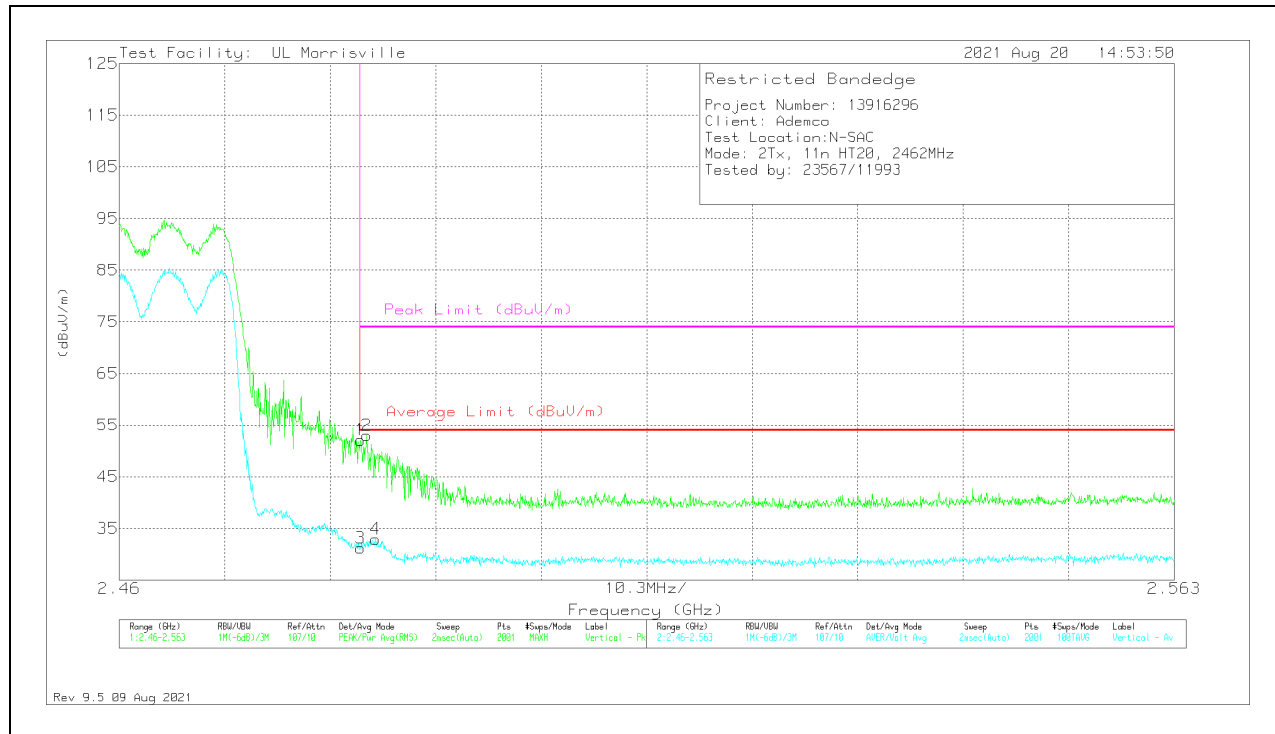
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *** 2.48354 | 44.29 | Pk | 32.4 | -24.6 | 52.09 | - | - | 74 | -21.91 | 40 | 384 | V |
| 2 | *** 2.48415 | 45.07 | Pk | 32.5 | -24.6 | 52.97 | - | - | 74 | -21.03 | 40 | 384 | V |
| 3 | *** 2.48354 | 23.38 | ADV | 32.4 | -24.6 | 31.18 | 54 | -22.82 | - | - | 40 | 384 | V |
| 4 | *** 2.48503 | 25.01 | ADV | 32.5 | -24.6 | 32.91 | 54 | -21.09 | - | - | 40 | 384 | V |

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

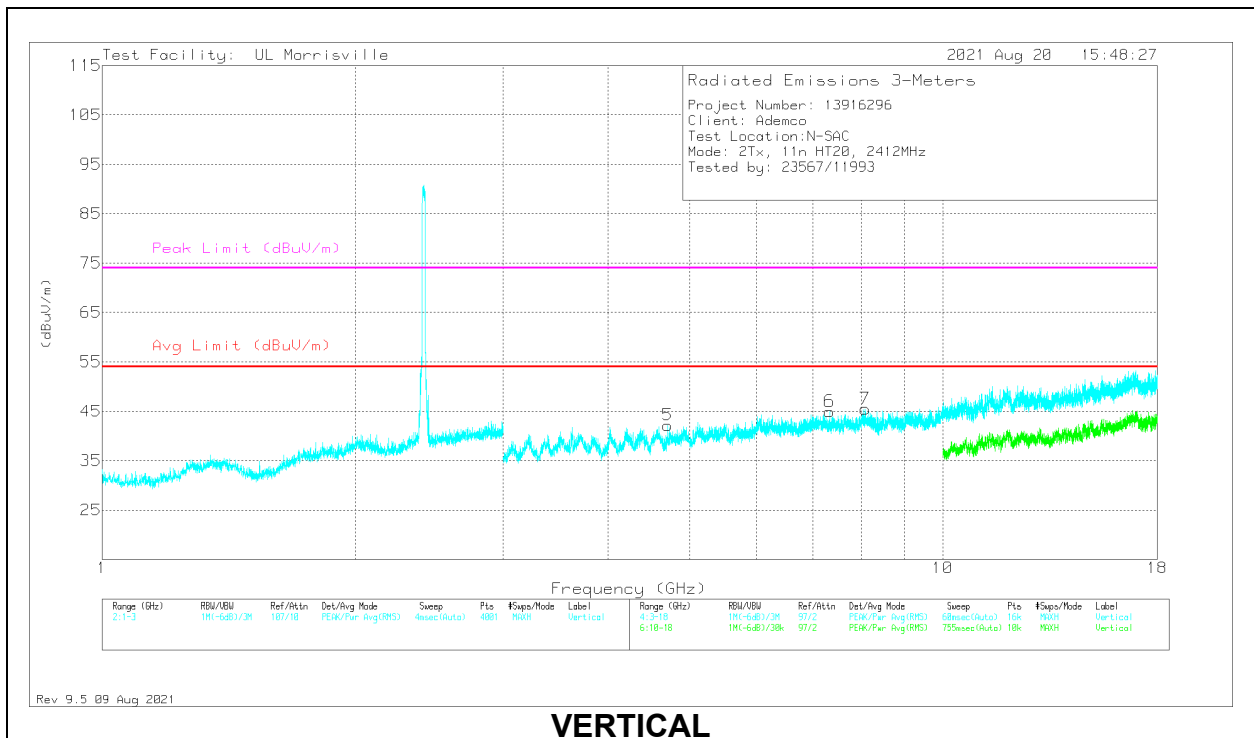
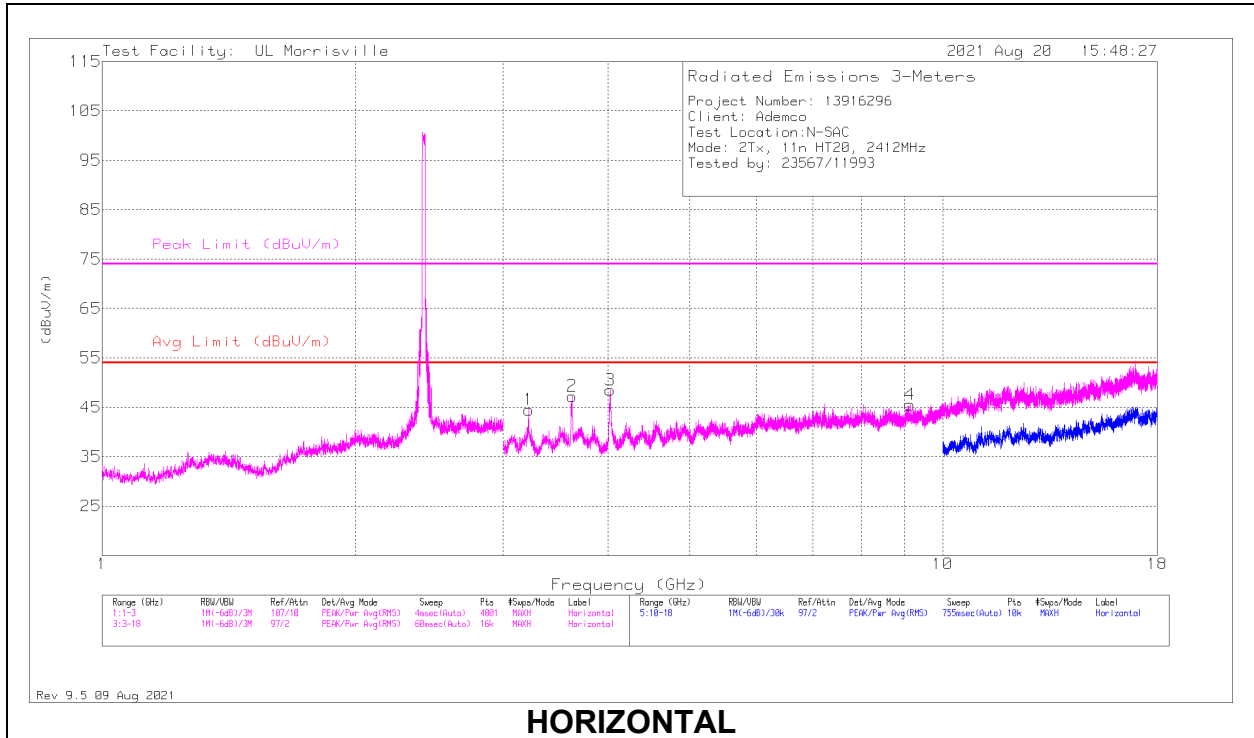
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Fitr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | *** 3.62438 | 45.25 | Pk | 33.4 | -31.4 | 47.25 | 54 | -6.75 | 74 | -26.75 | 0-360 | 200 | H |
| 3 | *** 4.02242 | 49.38 | PK2 | 33.2 | -32.1 | 50.48 | - | - | 74 | -23.52 | 200 | 218 | H |
| | *** 4.02341 | 36.28 | ADV | 33.2 | -32 | 37.48 | 54 | -16.52 | - | - | 200 | 218 | H |
| 4 | *** 9.14156 | 37.02 | Pk | 36.3 | -27.8 | 45.52 | 54 | -8.48 | 74 | -28.48 | 0-360 | 200 | H |
| 5 | *** 4.70813 | 40.38 | Pk | 33.8 | -32 | 42.18 | 54 | -11.82 | 74 | -31.82 | 0-360 | 200 | V |
| 6 | *** 7.33313 | 37.97 | Pk | 35.6 | -28.6 | 44.97 | 54 | -9.03 | 74 | -29.03 | 0-360 | 101 | V |
| 7 | *** 8.08781 | 37.91 | Pk | 35.9 | -28.3 | 45.51 | 54 | -8.49 | 74 | -28.49 | 0-360 | 101 | V |
| 1 | 3.21563 | 44.1 | Pk | 32.9 | -32.5 | 44.5 | - | - | - | - | 0-360 | 200 | H |

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

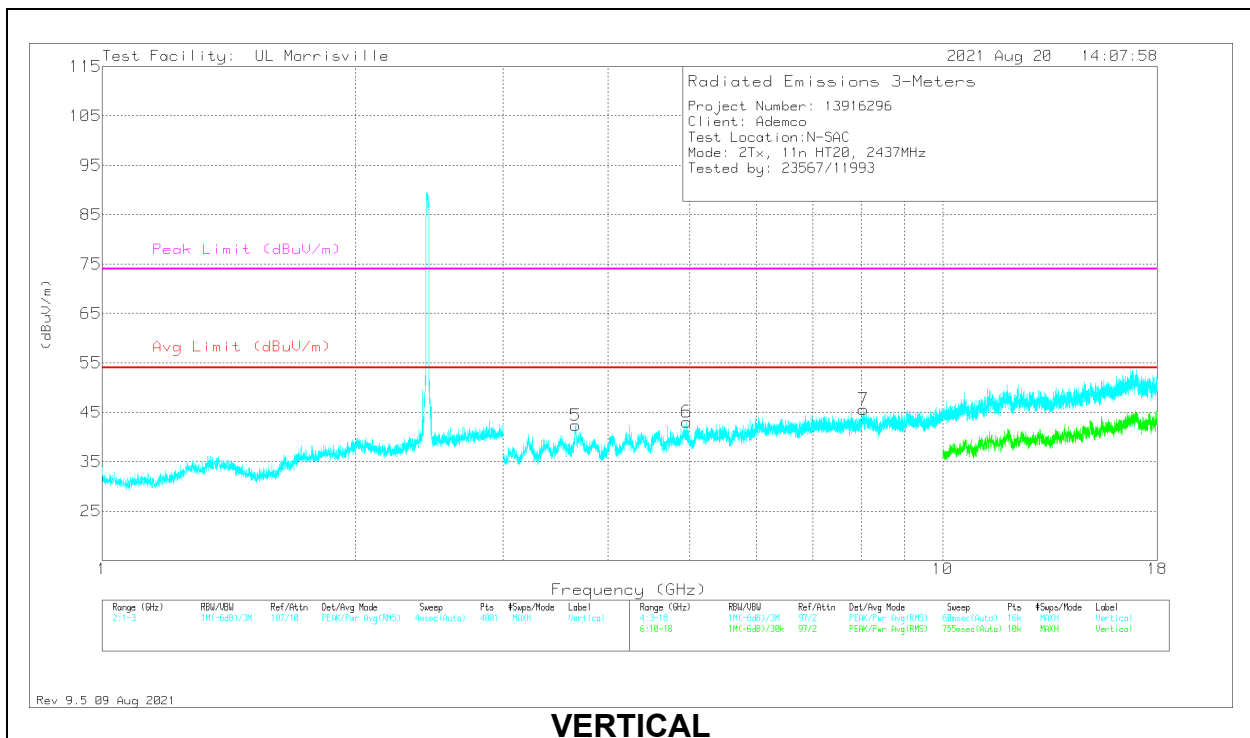
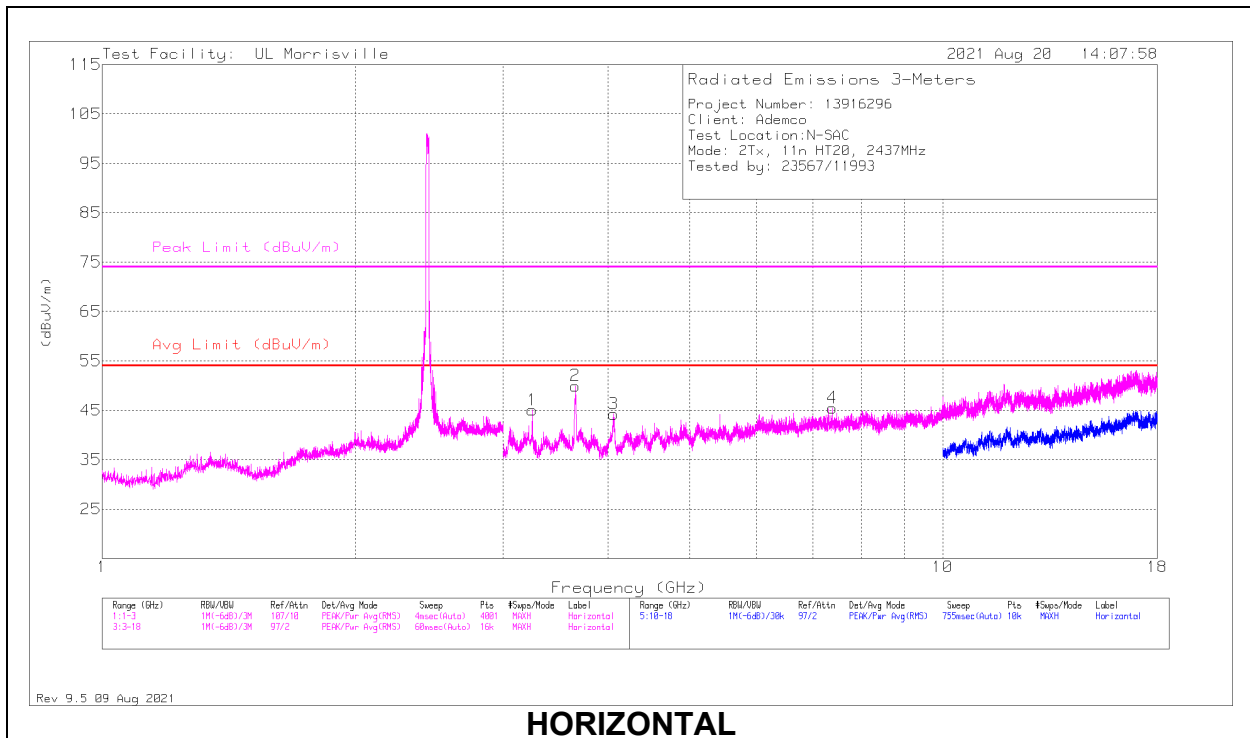
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

PK2 - Maximum Peak

ADV - Linear Voltage Average

MID CHANNEL, CH 6 RESULTS



RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Filtr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | * ** 3.65184 | 50.33 | PK2 | 33.4 | -31.2 | 52.53 | - | - | 74 | -21.47 | 185 | 215 | H |
| | * ** 3.6524 | 39.03 | ADV | 33.4 | -31.2 | 41.23 | 54 | -12.77 | - | - | 185 | 215 | H |
| 3 | * ** 4.05938 | 44.04 | PK | 33.2 | -33 | 44.24 | 54 | -9.76 | 74 | -29.76 | 0-360 | 101 | H |
| 4 | * ** 7.3875 | 38.56 | PK | 35.6 | -28.7 | 45.46 | 54 | -8.54 | 74 | -28.54 | 0-360 | 200 | H |
| 5 | * ** 3.65813 | 40.27 | PK | 33.4 | -31.3 | 42.37 | 54 | -11.63 | 74 | -31.63 | 0-360 | 200 | V |
| 6 | * ** 4.96031 | 41.25 | PK | 34.3 | -32.5 | 43.05 | 54 | -10.95 | 74 | -30.95 | 0-360 | 101 | V |
| 7 | * ** 8.04844 | 38.18 | PK | 35.8 | -28.4 | 45.58 | 54 | -8.42 | 74 | -28.42 | 0-360 | 101 | V |
| 1 | 3.24844 | 44.83 | PK | 32.9 | -32.7 | 45.03 | - | - | - | - | 0-360 | 200 | H |

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

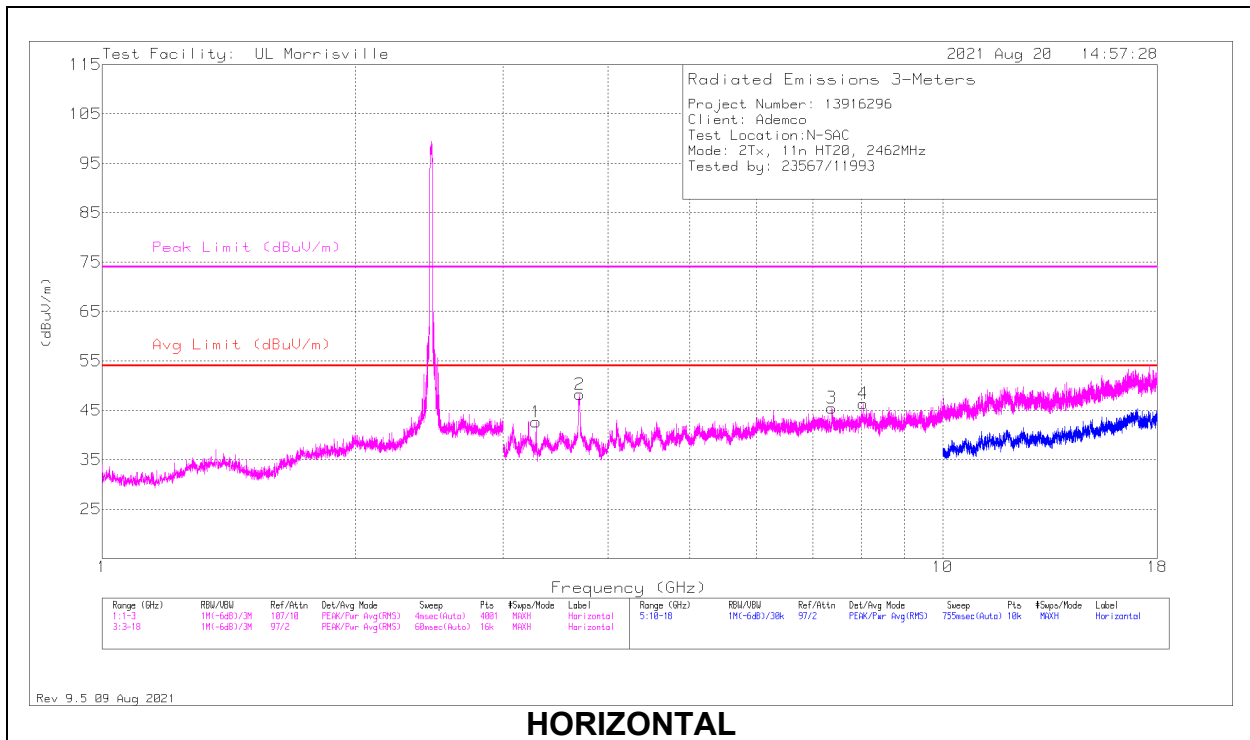
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK - Peak detector

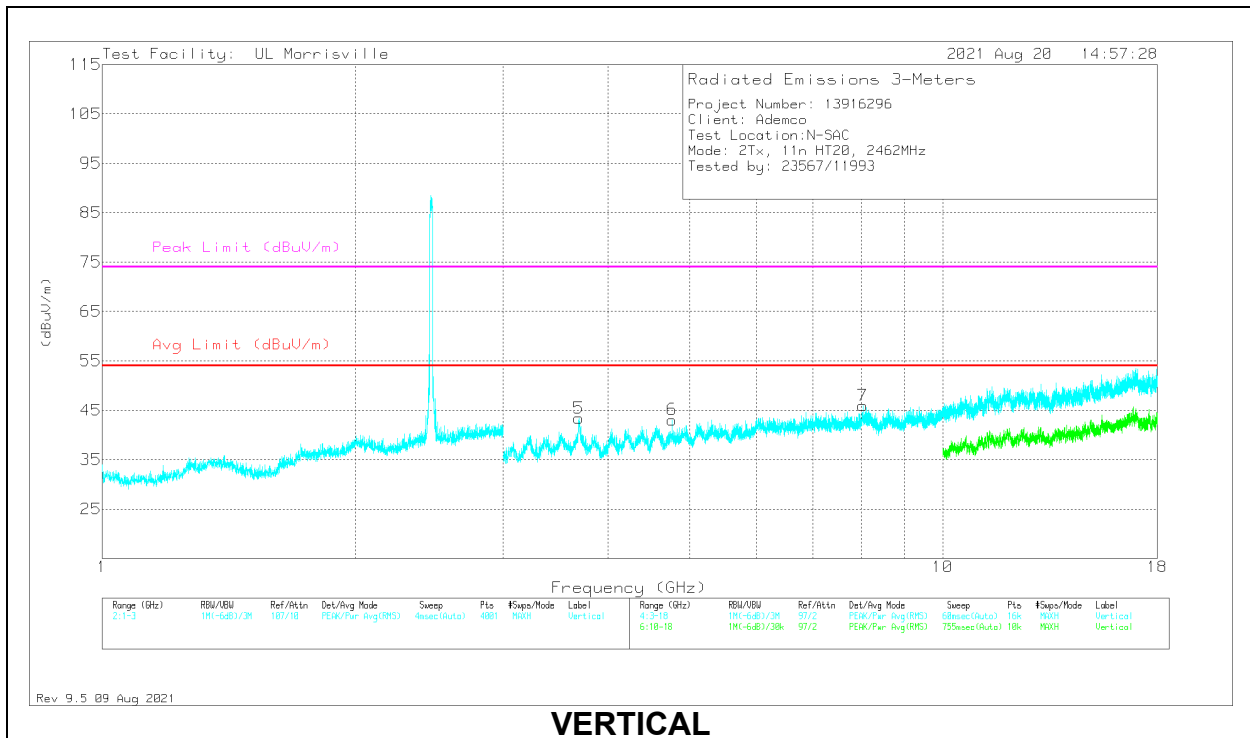
PK2 - Maximum Peak

ADV - Linear Voltage Average

HIGH CHANNEL, CH 11 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0078 (db/m) | Amp/Cbl/Filtr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | *** 3.70044 | 51.5 | PK2 | 33.3 | -32.1 | 52.7 | - | - | 74 | -21.3 | 192 | 293 | H |
| | *** 3.70028 | 40.19 | ADV | 33.3 | -32.2 | 41.29 | 54 | -12.71 | - | - | 192 | 293 | H |
| 3 | *** 7.38188 | 38.28 | Pk | 35.6 | -28.4 | 45.48 | 54 | -8.52 | 74 | -28.52 | 0-360 | 199 | H |
| 4 | *** 8.04 | 38.55 | Pk | 35.9 | -28.1 | 46.35 | 54 | -7.65 | 74 | -27.65 | 0-360 | 101 | H |
| 5 | *** 3.69 | 42.5 | Pk | 33.3 | -32.4 | 43.4 | 54 | -10.6 | 74 | -30.6 | 0-360 | 101 | V |
| 6 | *** 4.76438 | 40.78 | Pk | 34 | -31.7 | 43.08 | 54 | -10.92 | 74 | -30.92 | 0-360 | 101 | V |
| 7 | *** 8.03344 | 38.25 | Pk | 35.9 | -28.2 | 45.95 | 54 | -8.05 | 74 | -28.05 | 0-360 | 101 | V |
| 1 | 3.28219 | 42.03 | Pk | 32.8 | -32.2 | 42.63 | - | - | - | - | 0-360 | 199 | H |

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

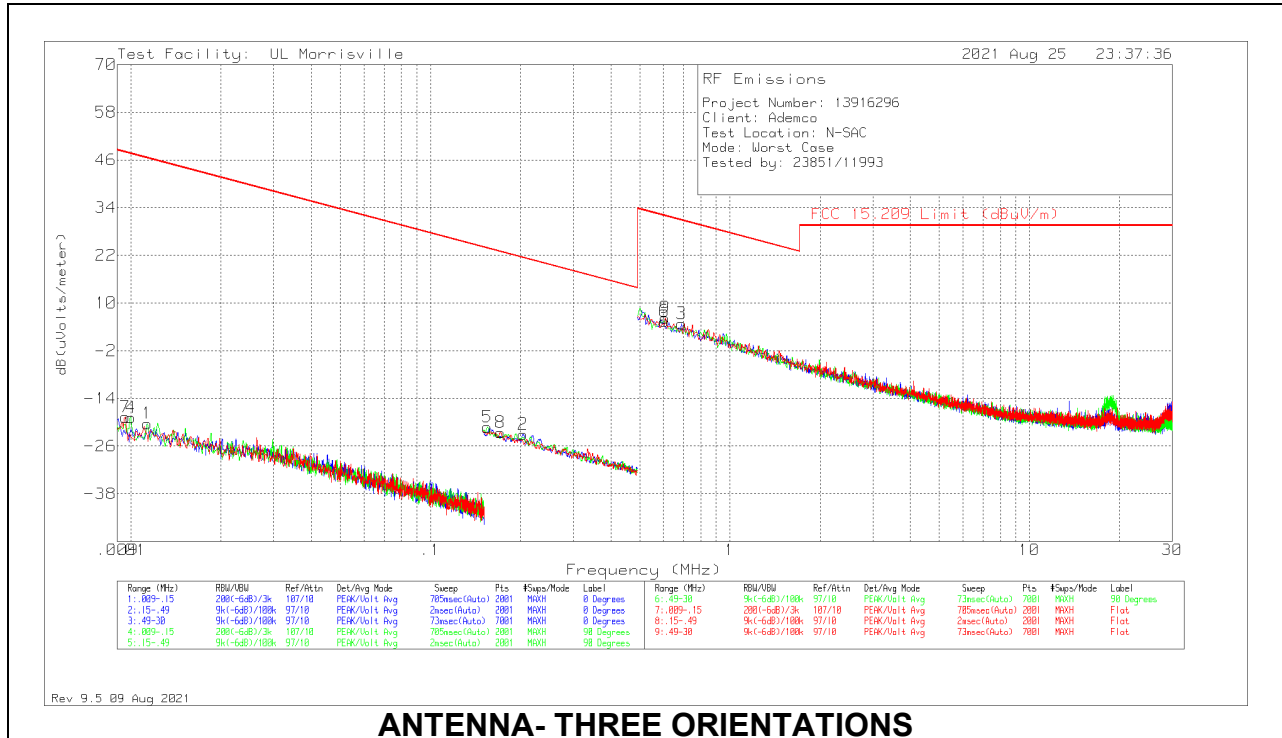
PK2 - Maximum Peak

ADV - Linear Voltage Average

10.2. WORST CASE BELOW 30MHZ

Note for below 30 MHz scans: All measurements were made at a test distance of 3 m. The measured data was extrapolated from the test distance (3m) to the specification distance (300 m from 9-490 kHz and 30 m from 490 kHz – 30 MHz) to clearly show the relative levels of fundamental and spurious emissions and demonstrate compliance with the requirement that the level of any spurious emissions be below the level of the intentionally transmitted signal. The extrapolation factor for the limits were $40 \cdot \log(\text{test distance} / \text{specification distance})$.

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION) - ANTENNA 1

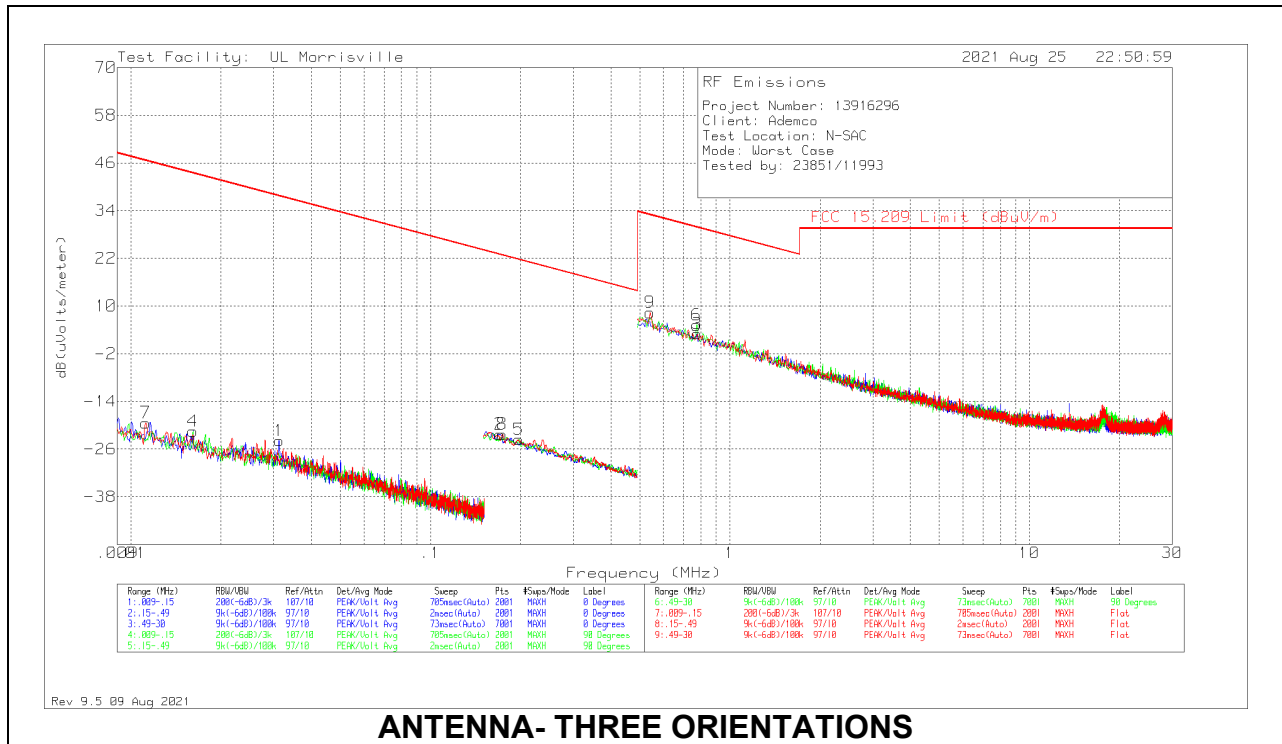


Below 30MHz Data – Antenna 1

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AT0079 (dB/m) | Cbl (dB) | Dist. Corr. Factor (dB) | Corrected Reading dB(uVolts/meter) | FCC 15.209 QP/AV Limit (dBuV/m) | FCC 15.209 QP/AV Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Loop Angle |
|--------|-----------------|----------------------|-----|---------------|----------|-------------------------|------------------------------------|---------------------------------|---------------------------------|-------------|----------------|-------------|------------|
| 1 | .01134 | 42.28 | Pk | 17.3 | .1 | -80 | -20.32 | 46.51 | 66.51 | -66.83 | 0-360 | 404 | On |
| 2 | .20398 | 46.04 | Pk | 10.8 | .1 | -80 | -23.06 | 21.41 | 41.41 | -44.47 | 0-360 | 404 | On |
| 3 | .68815 | 33.81 | Pk | 10.8 | .2 | -40 | 4.81 | 30.85 | - | -26.04 | 0-360 | 404 | On |
| 4 | .00999 | 43.18 | Pk | 17.9 | .1 | -80 | -18.82 | 47.61 | 67.61 | -66.43 | 0-360 | 404 | Off |
| 5 | .15502 | 47.85 | Pk | 10.8 | .1 | -80 | -21.25 | 23.8 | 43.8 | -45.05 | 0-360 | 404 | Off |
| 6 | .60383 | 34.43 | Pk | 10.8 | .2 | -40 | 5.43 | 31.99 | - | -26.56 | 0-360 | 404 | Off |
| 7 | .00957 | 42.9 | Pk | 18.3 | .1 | -80 | -18.7 | 47.99 | 67.99 | -66.69 | 0-360 | 404 | Flat |
| 8 | .17108 | 46.51 | Pk | 10.8 | .1 | -80 | -22.59 | 22.94 | 42.94 | -45.53 | 0-360 | 404 | Flat |
| 9 | .60805 | 35.27 | Pk | 10.8 | .2 | -40 | 6.27 | 31.93 | - | -25.66 | 0-360 | 404 | Flat |

Pk - Peak detector

SPURIOUS EMISSIONS BELOW 30 MHz (WORST-CASE CONFIGURATION) - ANTENNA 2



ANTENNA- THREE ORIENTATIONS

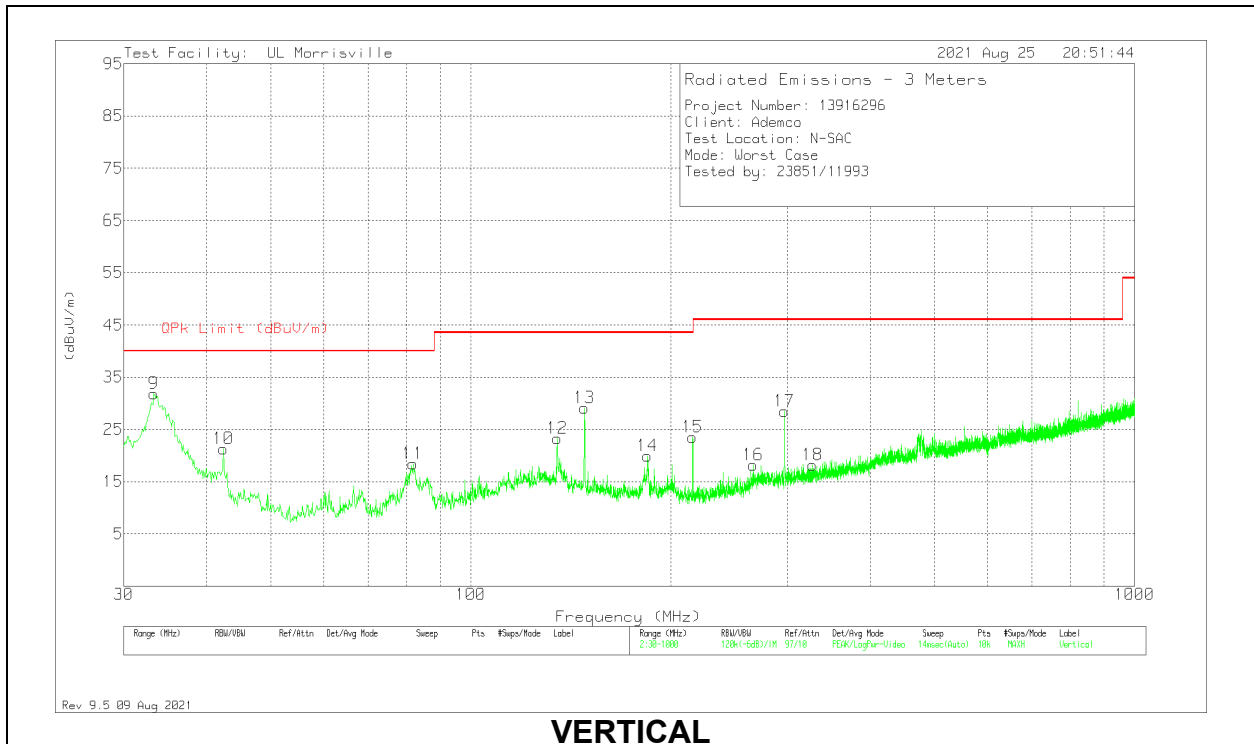
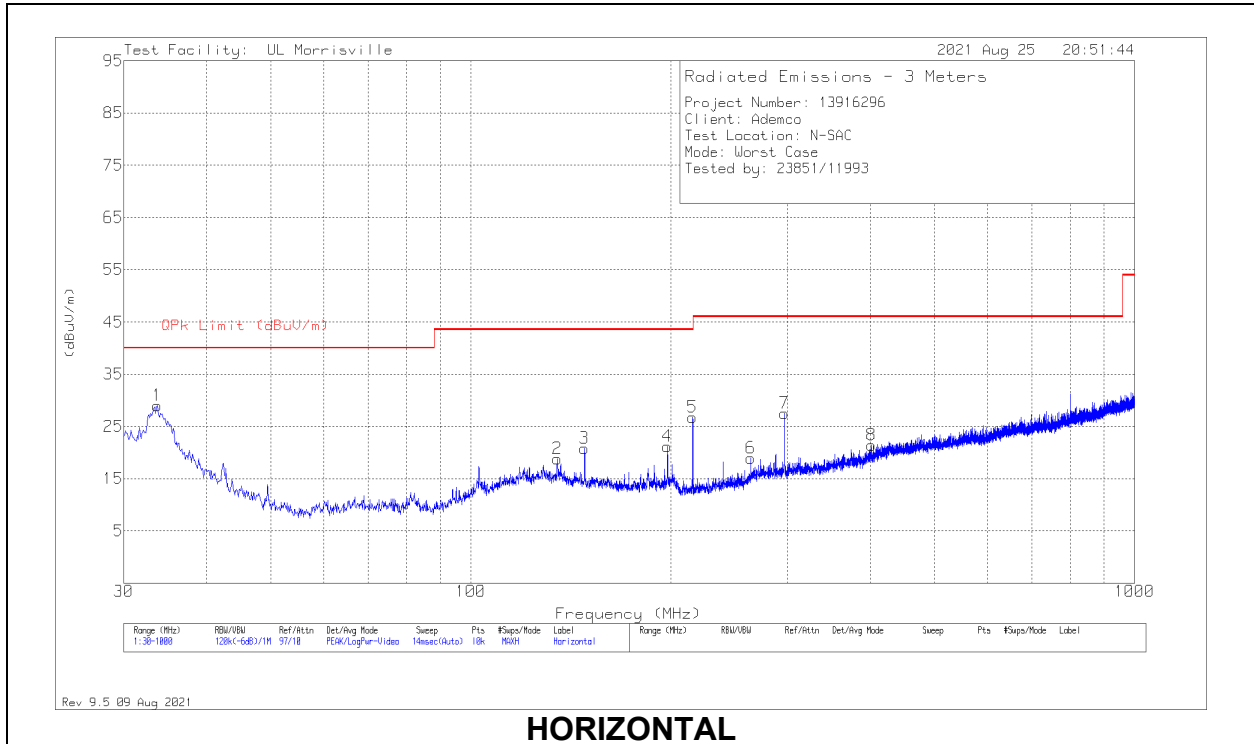
Below 30MHz Data – Antenna 2

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AT0079 (dB/m) | Cbl (dB) | Dist. Corr. Factor (dB) | Corrected Reading dB(uVolts/meter) | FCC 15.209 QP/AV Limit (dBuV/m) | FCC 15.209 PK Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Loop Angle |
|--------|-----------------|----------------------|-----|---------------|----------|-------------------------|------------------------------------|---------------------------------|------------------------------|-------------|----------------|-------------|------------|
| 1 | .03122 | 42.82 | Pk | 13.2 | .1 | -80 | -23.88 | 37.72 | 57.72 | -61.6 | 0-360 | 404 | On |
| 2 | .17032 | 46.84 | Pk | 10.8 | .1 | -80 | -22.26 | 22.98 | 42.98 | -45.24 | 0-360 | 404 | On |
| 3 | .77669 | 32.03 | Pk | 10.8 | .2 | -40 | 3.03 | 29.8 | - | -26.77 | 0-360 | 404 | On |
| 4 | .0161 | 43.08 | Pk | 15.3 | .1 | -80 | -21.52 | 43.47 | 63.47 | -64.99 | 0-360 | 404 | Off |
| 5 | .19743 | 45.53 | Pk | 10.8 | .1 | -80 | -23.57 | 21.7 | 41.7 | -45.27 | 0-360 | 404 | Off |
| 6 | .77247 | 34.2 | Pk | 10.8 | .2 | -40 | 5.2 | 29.85 | - | -24.65 | 0-360 | 404 | Off |
| 7 | .0112 | 43.07 | Pk | 17.4 | .1 | -80 | -19.43 | 46.62 | 66.62 | -66.05 | 0-360 | 404 | Flat |
| 8 | .17397 | 46.83 | Pk | 10.8 | .1 | -80 | -22.27 | 22.79 | 42.79 | -45.06 | 0-360 | 404 | Flat |
| 9 | .54059 | 37.36 | Pk | 10.8 | .2 | -40 | 8.36 | 32.95 | - | -24.59 | 0-360 | 404 | Flat |

Pk - Peak detector

10.3. WORST CASE BELOW 1 GHZ

Antenna 1



Below 1GHz DATA – Antenna 1

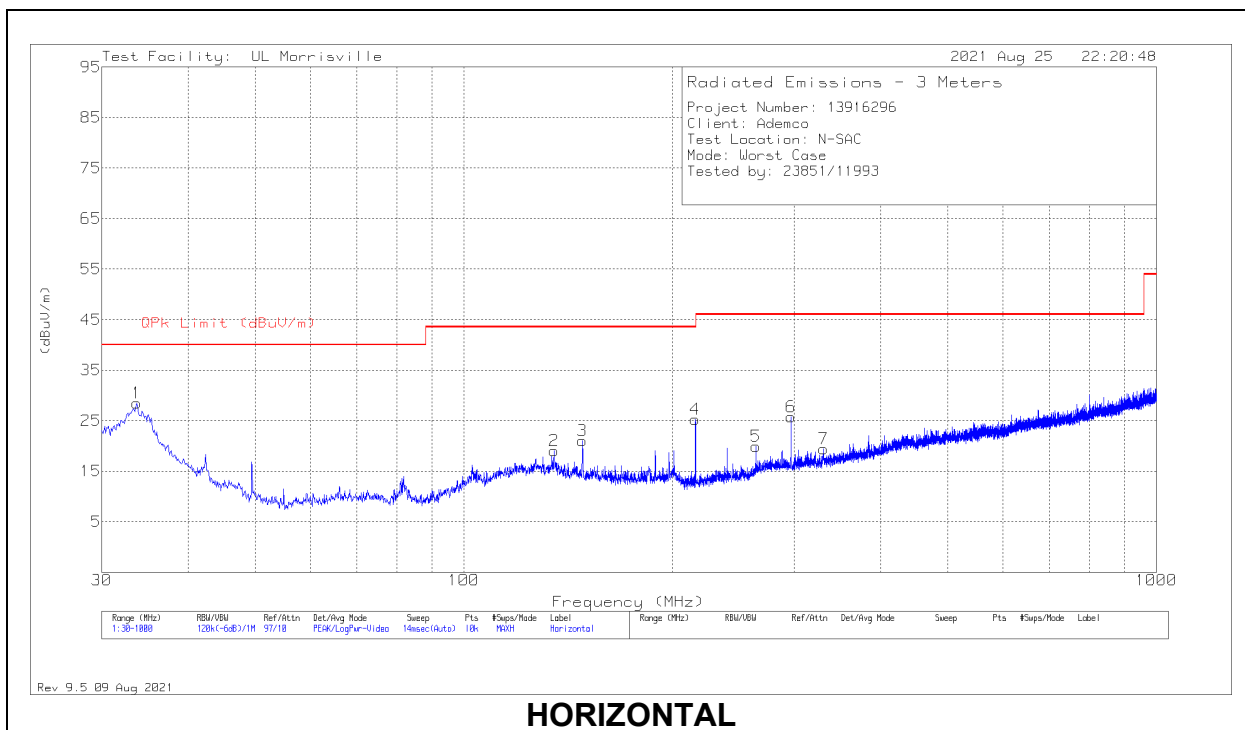
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AT0066 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 2 | * ** 134.954 | 29.34 | Pk | 19.5 | -30 | 18.84 | 43.52 | -24.68 | 0-360 | 299 | H |
| 6 | * ** 263.964 | 29.09 | Pk | 18.8 | -29 | 18.89 | 46.02 | -27.13 | 0-360 | 99 | H |
| 8 | * ** 401.413 | 27.52 | Pk | 21.8 | -27.9 | 21.42 | 46.02 | -24.6 | 0-360 | 199 | H |
| 12 | * ** 134.954 | 33.79 | Pk | 19.5 | -30 | 23.29 | 43.52 | -20.23 | 0-360 | 100 | V |
| 16 | * ** 266.389 | 28.21 | Pk | 19.1 | -29.1 | 18.21 | 46.02 | -27.81 | 0-360 | 100 | V |
| 18 | * ** 327.499 | 26.45 | Pk | 20.1 | -28.4 | 18.15 | 46.02 | -27.87 | 0-360 | 100 | V |
| 9 | 33.298 | 37.94 | Pk | 25.3 | -31.4 | 31.84 | 40 | -8.16 | 0-360 | 100 | V |
| 1 | 33.686 | 35.39 | Pk | 25 | -31.4 | 28.99 | 40 | -11.01 | 0-360 | 299 | H |
| 10 | 42.416 | 34.24 | Pk | 18.4 | -31.3 | 21.34 | 40 | -18.66 | 0-360 | 100 | V |
| 11 | 81.798 | 35.58 | Pk | 13.4 | -30.5 | 18.48 | 40 | -21.52 | 0-360 | 100 | V |
| 3 | 148.34 | 32.01 | Pk | 18.6 | -29.8 | 20.81 | 43.52 | -22.71 | 0-360 | 299 | H |
| 13 | 148.34 | 40.36 | Pk | 18.6 | -29.8 | 29.16 | 43.52 | -14.36 | 0-360 | 100 | V |
| 14 | 184.521 | 31.93 | Pk | 17.4 | -29.4 | 19.93 | 43.52 | -23.59 | 0-360 | 100 | V |
| 4 | 197.81 | 32.22 | Pk | 18.2 | -29.3 | 21.12 | 43.52 | -22.4 | 0-360 | 99 | H |
| 5 | 215.949 | 39.15 | Pk | 16.7 | -29.1 | 26.75 | 43.52 | -16.77 | 0-360 | 199 | H |
| 15 | 215.949 | 35.88 | Pk | 16.7 | -29.1 | 23.48 | 43.52 | -20.04 | 0-360 | 100 | V |
| 7 | 296.653 | 36.42 | Pk | 19.6 | -28.5 | 27.52 | 46.02 | -18.5 | 0-360 | 399 | H |
| 17 | 296.653 | 37.41 | Pk | 19.6 | -28.5 | 28.51 | 46.02 | -17.51 | 0-360 | 100 | V |

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

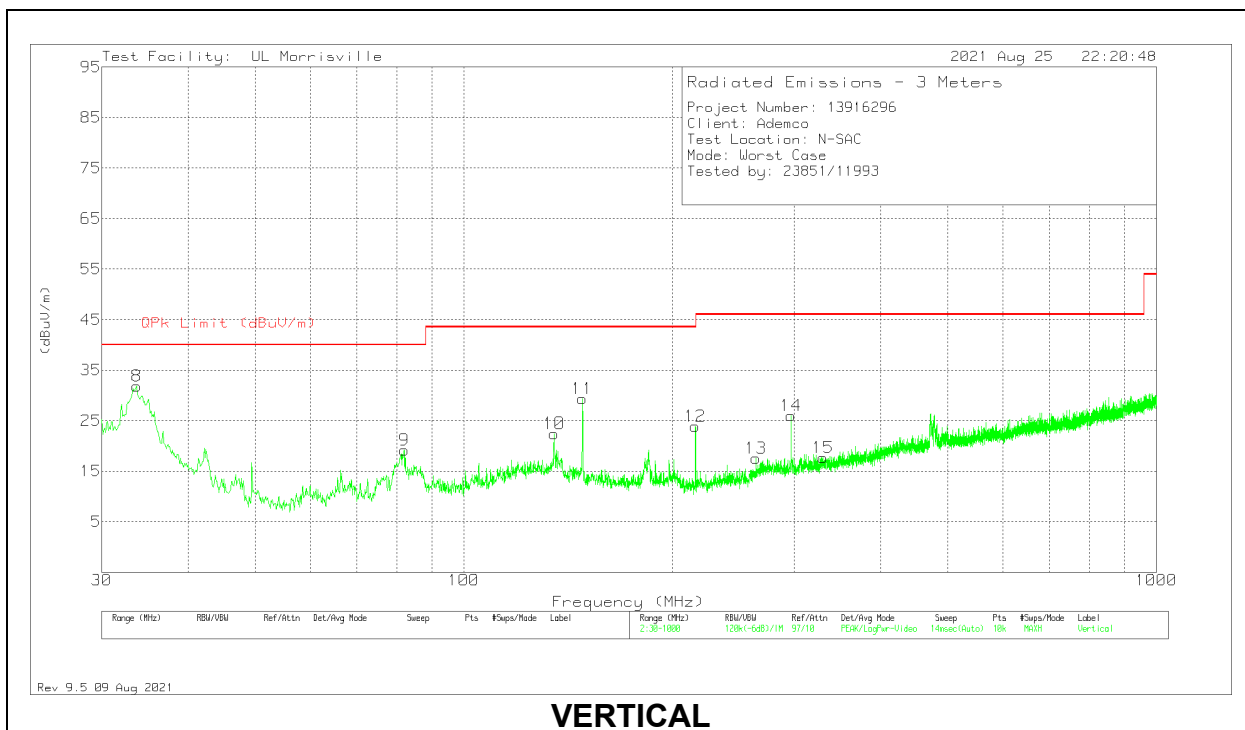
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

Antenna 2



HORIZONTAL



VERTICAL

Below 1GHz DATA – Antenna 2

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AT0066 (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 2 | * ** 134.954 | 29.6 | Pk | 19.5 | -30 | 19.1 | 43.52 | -24.42 | 0-360 | 399 | H |
| 5 | * ** 263.964 | 30.08 | Pk | 18.8 | -29 | 19.88 | 46.02 | -26.14 | 0-360 | 99 | H |
| 7 | * ** 330.7 | 27.54 | Pk | 20.1 | -28.2 | 19.44 | 46.02 | -26.58 | 0-360 | 199 | H |
| 10 | * ** 134.954 | 32.96 | Pk | 19.5 | -30 | 22.46 | 43.52 | -21.06 | 0-360 | 100 | V |
| 13 | * ** 263.964 | 27.8 | Pk | 18.8 | -29 | 17.6 | 46.02 | -28.42 | 0-360 | 100 | V |
| 15 | * ** 329.924 | 25.74 | Pk | 20.1 | -28.1 | 17.74 | 46.02 | -28.28 | 0-360 | 100 | V |
| 1 | 33.686 | 34.94 | Pk | 25 | -31.4 | 28.54 | 40 | -11.46 | 0-360 | 300 | H |
| 8 | 33.686 | 38.27 | Pk | 25 | -31.4 | 31.87 | 40 | -8.13 | 0-360 | 100 | V |
| 9 | 81.992 | 36.51 | Pk | 13.4 | -30.7 | 19.21 | 40 | -20.79 | 0-360 | 100 | V |
| 3 | 148.34 | 32.25 | Pk | 18.6 | -29.8 | 21.05 | 43.52 | -22.47 | 0-360 | 399 | H |
| 11 | 148.34 | 40.52 | Pk | 18.6 | -29.8 | 29.32 | 43.52 | -14.2 | 0-360 | 100 | V |
| 4 | 215.949 | 37.69 | Pk | 16.7 | -29.1 | 25.29 | 43.52 | -18.23 | 0-360 | 199 | H |
| 12 | 215.949 | 36.27 | Pk | 16.7 | -29.1 | 23.87 | 43.52 | -19.65 | 0-360 | 100 | V |
| 6 | 296.653 | 34.67 | Pk | 19.6 | -28.5 | 25.77 | 46.02 | -20.25 | 0-360 | 399 | H |
| 14 | 296.653 | 34.86 | Pk | 19.6 | -28.5 | 25.96 | 46.02 | -20.06 | 0-360 | 100 | V |

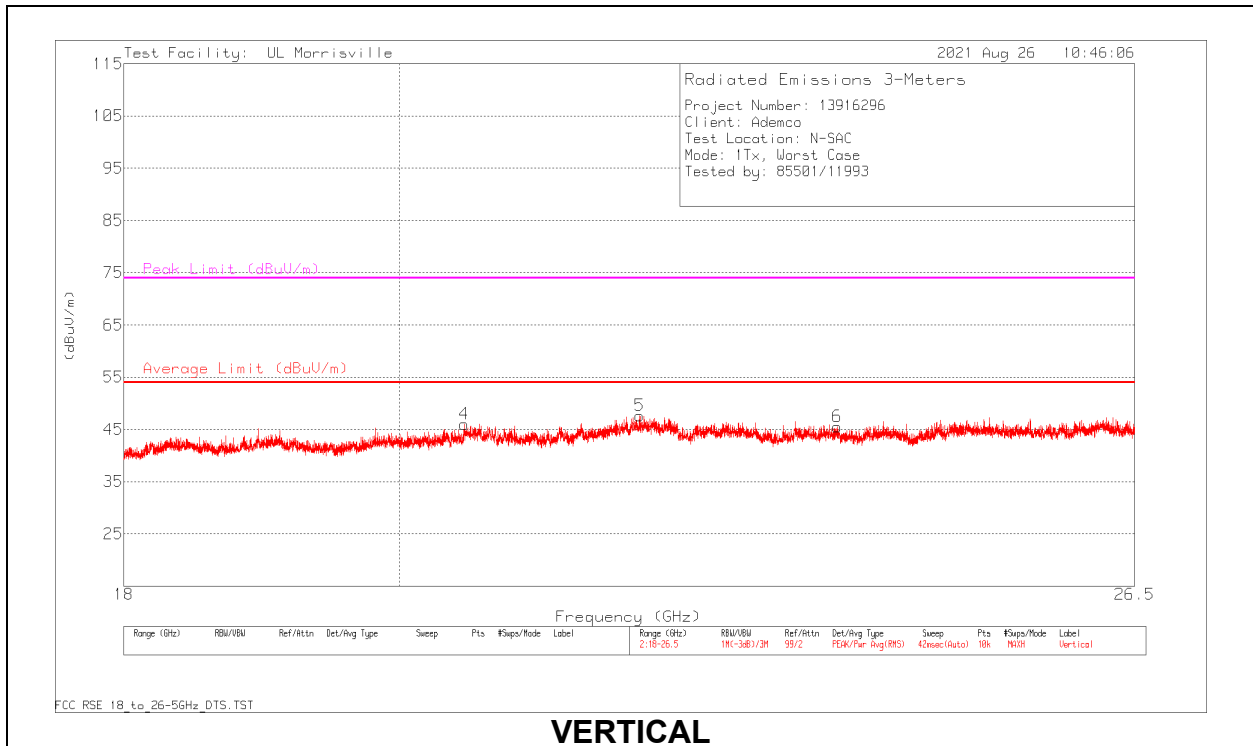
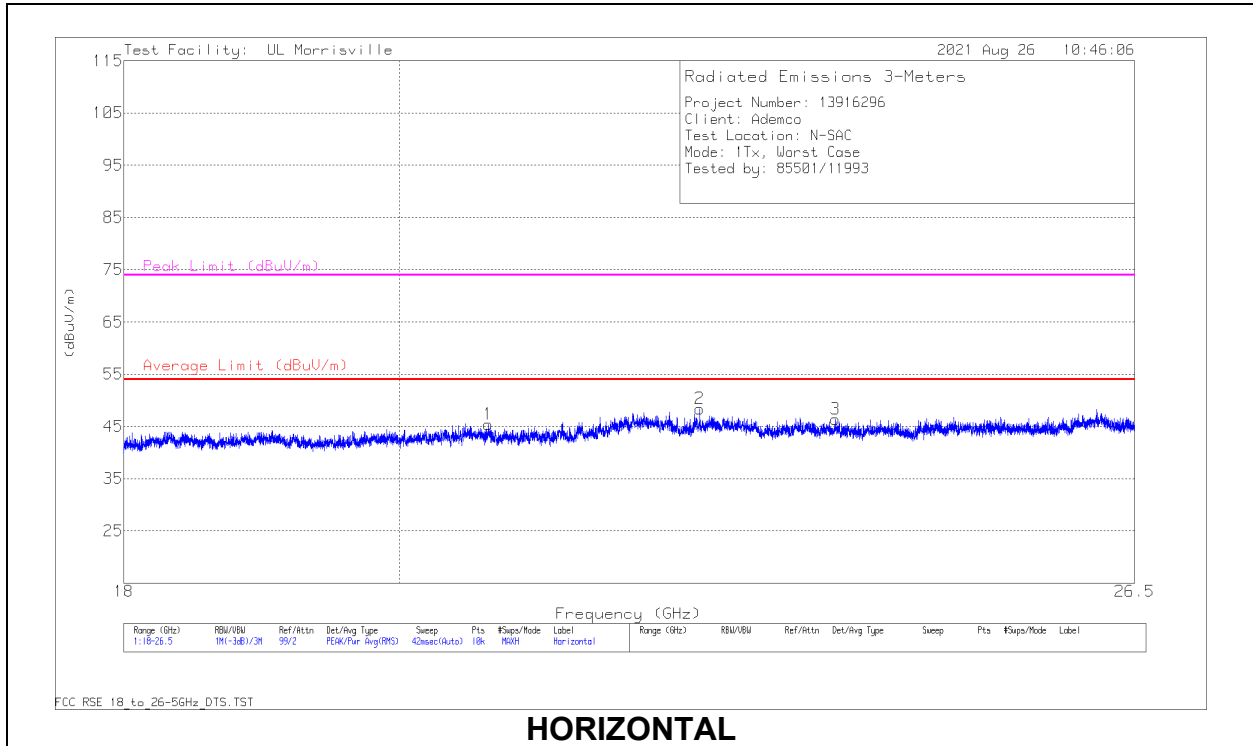
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

10.4. WORST CASE 18-26 GHz

Antenna 1



18 – 26GHz DATA – Antenna 1

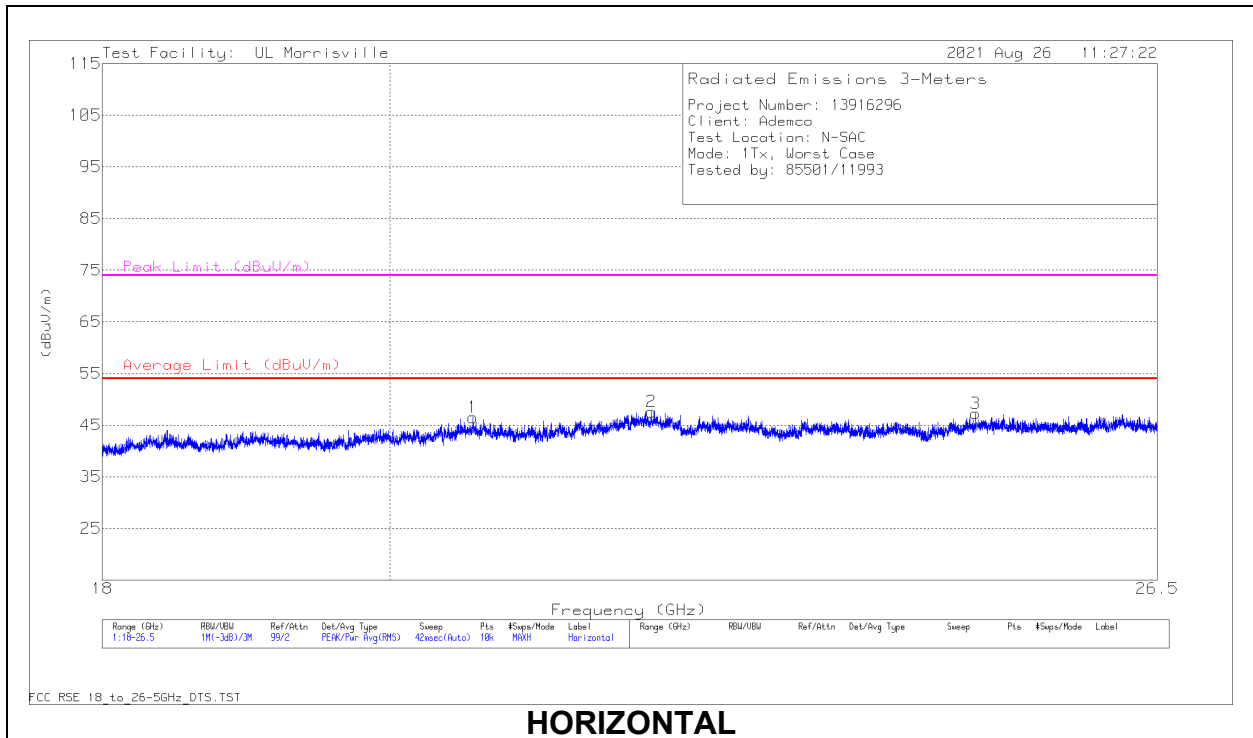
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0063 AF (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|--------------|----------------------------|------------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1 | * ** 20.69593 | 50.76 | Pk | 34 | -39.4 | 45.36 | 54 | -8.64 | 74 | -28.64 | 0-360 | 300 | H |
| 2 | * ** 22.43587 | 50.78 | PK2 | 36.5 | -39.3 | 47.98 | 54 | -6.02 | 74 | -26.02 | 224 | 149 | H |
| | * ** 22.4355 | 37.85 | ADV | 36.5 | -39.3 | 35.05 | 54 | -18.95 | 74 | -38.95 | 224 | 149 | H |
| 3 | * ** 23.63409 | 50.52 | Pk | 34.9 | -39 | 46.42 | 54 | -7.58 | 74 | -27.58 | 0-360 | 249 | H |
| 4 | * ** 20.5047 | 50.86 | Pk | 34.1 | -39 | 45.96 | 54 | -8.04 | 74 | -28.04 | 0-360 | 200 | V |
| 6 | * ** 23.64939 | 49.71 | Pk | 34.9 | -39.1 | 45.51 | 54 | -8.49 | 74 | -28.49 | 0-360 | 251 | V |
| 5 | 21.92576 | 50.12 | Pk | 37 | -39.5 | 47.62 | 54 | -6.38 | 74 | -26.38 | 0-360 | 200 | V |

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

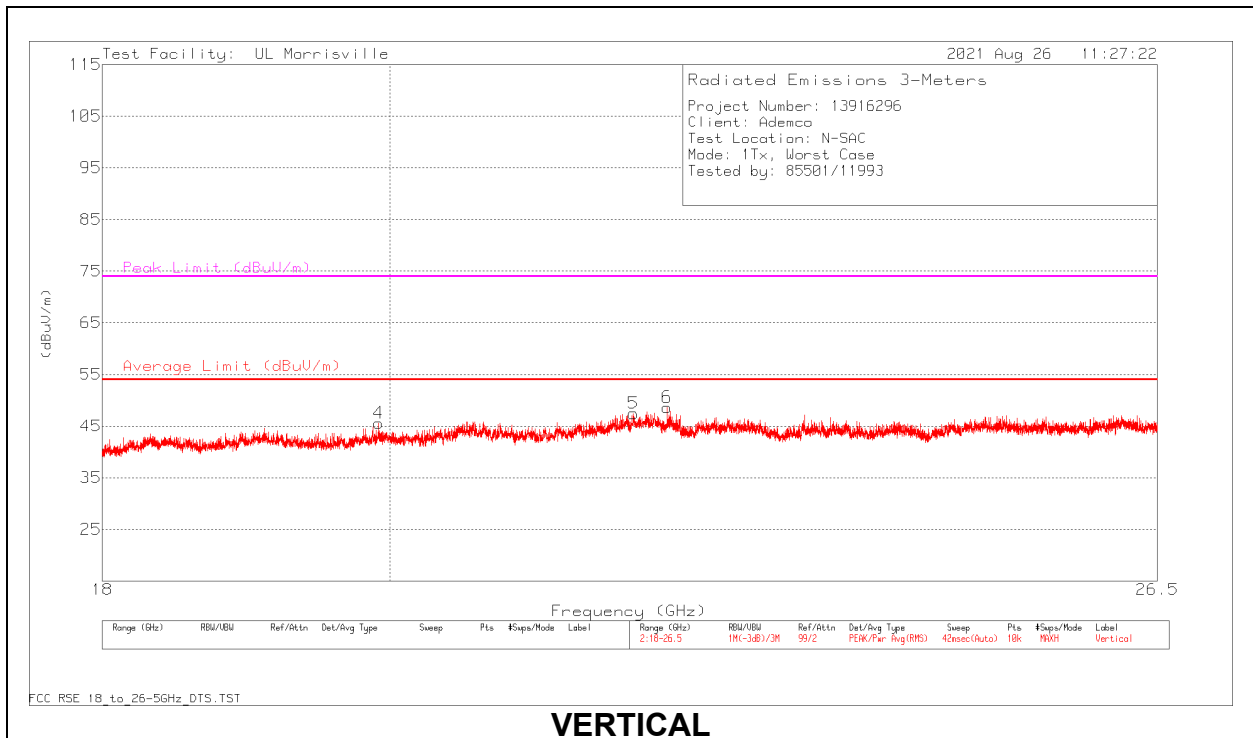
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

Antenna 2



HORIZONTAL



VERTICAL

18 – 26GHz DATA – Antenna 2

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0063 AF (dB/m) | Amp/Cbl (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|------------------|--------------|----------------------------|------------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1 | * ** 20.61944 | 51.38 | Pk | 34 | -38.9 | 46.48 | 54 | -7.52 | 74 | -27.52 | 0-360 | 300 | H |
| 2 | * ** 22.01245 | 50.19 | Pk | 37 | -39.6 | 47.59 | 54 | -6.41 | 74 | -26.41 | 0-360 | 101 | H |
| 4 | * ** 19.91996 | 50.98 | Pk | 33.5 | -38.9 | 45.58 | 54 | -8.42 | 74 | -28.42 | 0-360 | 150 | V |
| 6 | * ** 22.14236 | 50.76 | PK2 | 36.7 | -39.4 | 48.06 | - | - | 74 | -25.94 | 110 | 240 | V |
| | * ** 22.14353 | 37.76 | ADV | 36.7 | -39.6 | 34.86 | 54 | -19.14 | 74 | -39.14 | 110 | 240 | V |
| 5 | 21.86966 | 49.55 | Pk | 36.8 | -38.9 | 47.45 | 54 | -6.55 | 74 | -26.55 | 0-360 | 250 | V |
| 3 | 24.79422 | 50.34 | Pk | 35 | -38.1 | 47.24 | 54 | -6.76 | 74 | -26.76 | 0-360 | 150 | H |

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

RSS-Gen 8.8

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

*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.

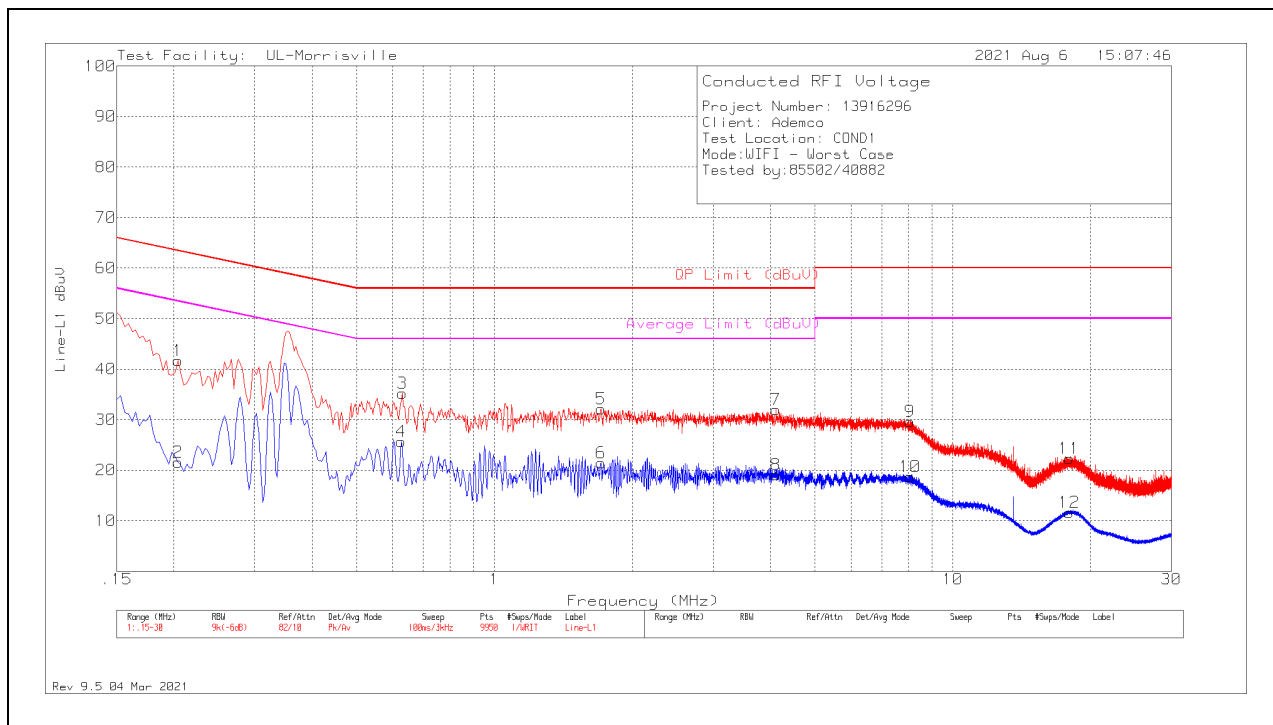
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC Power Line Host

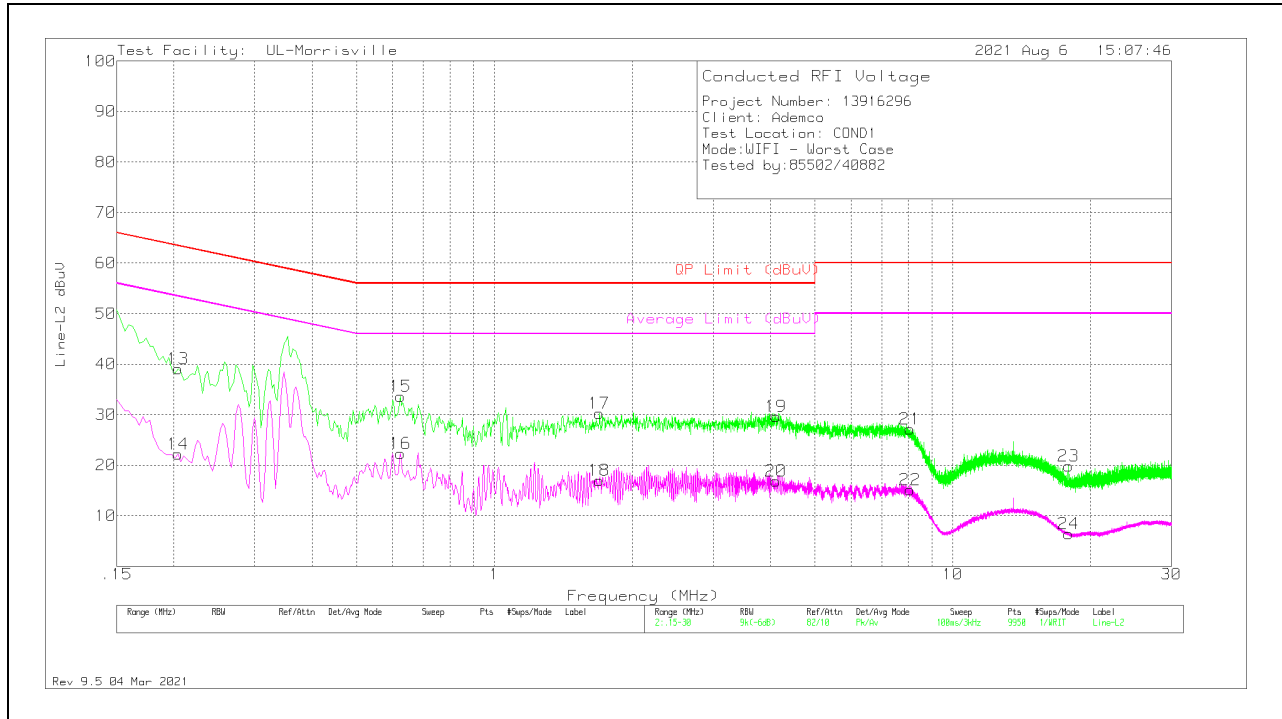
LINE 1 RESULTS



| Range 1: Line-L1 .15 - 30MHz | | | | | | | | | | |
|------------------------------|-----------------|----------------------|-----|---------------|------------------|------------------------|-----------------|-------------|----------------------|-------------|
| Marker | Frequency (MHz) | Meter Reading (dBUV) | Det | LISN VCF (dB) | Cbl/Limiter (dB) | Corrected Reading dBUV | QP Limit (dBUV) | Margin (dB) | Average Limit (dBUV) | Margin (dB) |
| 1 | .204 | 31.77 | Pk | .1 | 9.8 | 41.67 | 63.45 | -21.78 | - | - |
| 2 | .204 | 11.68 | Av | .1 | 9.8 | 21.58 | - | - | 53.45 | -31.87 |
| 4 | .627 | 15.88 | Av | 0 | 9.8 | 25.68 | - | - | 46 | -20.32 |
| 3 | .63 | 25.37 | Pk | 0 | 9.8 | 35.17 | 56 | -20.83 | - | - |
| 5 | 1.707 | 22.31 | Pk | 0 | 9.8 | 32.11 | 56 | -23.89 | - | - |
| 6 | 1.707 | 11.62 | Av | 0 | 9.8 | 21.42 | - | - | 46 | -24.58 |
| 7 | 4.116 | 22.07 | Pk | 0 | 9.9 | 31.97 | 56 | -24.03 | - | - |
| 8 | 4.119 | 9.14 | Av | 0 | 9.9 | 19.04 | - | - | 46 | -26.96 |
| 9 | 8.07 | 19.5 | Pk | .1 | 10 | 29.6 | 60 | -30.4 | - | - |
| 10 | 8.07 | 8.66 | Av | .1 | 10 | 18.76 | - | - | 50 | -31.24 |
| 11 | 17.958 | 12.13 | Pk | .1 | 10.1 | 22.33 | 60 | -37.67 | - | - |
| 12 | 17.958 | 1.47 | Av | .1 | 10.1 | 11.67 | - | - | 50 | -38.33 |

Pk - Peak detector
 Av - Average detection

LINE 2 RESULTS



| Range 2: Line-L2 .15 - 30MHz | | | | | | | | | | |
|------------------------------|-----------------|----------------------|-----|---------------|------------------|------------------------|-----------------|-------------|----------------------|-------------|
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | LISN VCF (dB) | Cbl/Limiter (dB) | Corrected Reading dBuV | QP Limit (dBuV) | Margin (dB) | Average Limit (dBuV) | Margin (dB) |
| 13 | .204 | 29.05 | Pk | .2 | 9.8 | 39.05 | 63.45 | -24.4 | - | - |
| 14 | .204 | 12.17 | Av | .2 | 9.8 | 22.17 | - | - | 53.45 | -31.28 |
| 15 | .624 | 23.77 | Pk | 0 | 9.8 | 33.57 | 56 | -22.43 | - | - |
| 16 | .624 | 12.46 | Av | 0 | 9.8 | 22.26 | - | - | 46 | -23.74 |
| 17 | 1.695 | 20.48 | Pk | 0 | 9.8 | 30.28 | 56 | -25.72 | - | - |
| 18 | 1.695 | 7.12 | Av | 0 | 9.8 | 16.92 | - | - | 46 | -29.08 |
| 19 | 4.11 | 19.6 | Pk | .1 | 9.9 | 29.6 | 56 | -26.4 | - | - |
| 20 | 4.11 | 6.87 | Av | .1 | 9.9 | 16.87 | - | - | 46 | -29.13 |
| 21 | 8.064 | 17.07 | Pk | .1 | 10 | 27.17 | 60 | -32.83 | - | - |
| 22 | 8.064 | 5.01 | Av | .1 | 10 | 15.11 | - | - | 50 | -34.89 |
| 23 | 17.922 | 9.61 | Pk | .1 | 10.1 | 19.81 | 60 | -40.19 | - | - |
| 24 | 17.922 | -3.73 | Av | .1 | 10.1 | 6.47 | - | - | 50 | -43.53 |

Pk - Peak detector
 Av - Average detection

12. SETUP PHOTOS

Please refer to R13916296-EP2 for setup photos.

END OF TEST REPORT