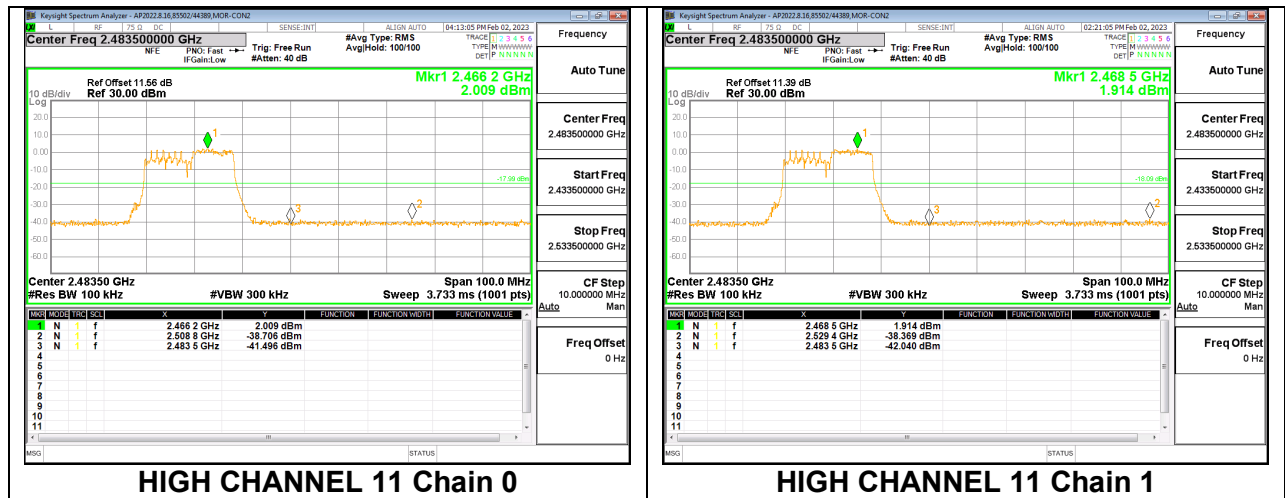
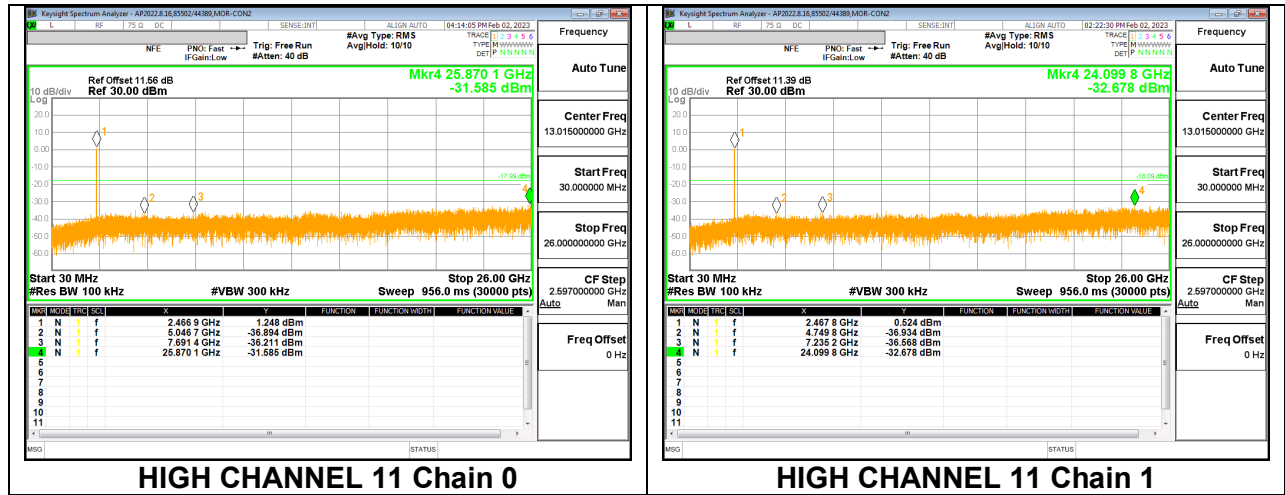
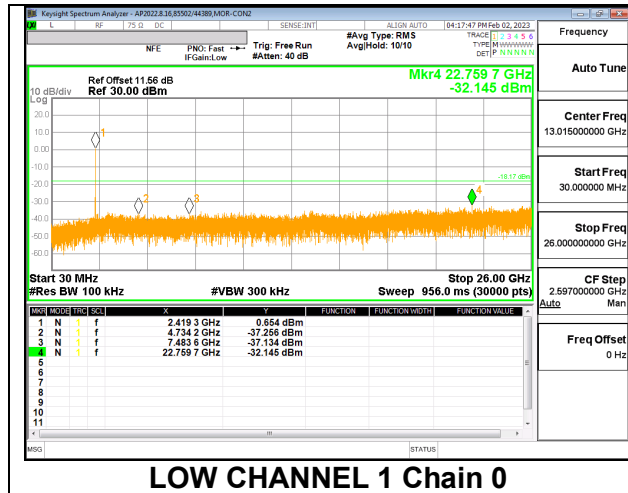


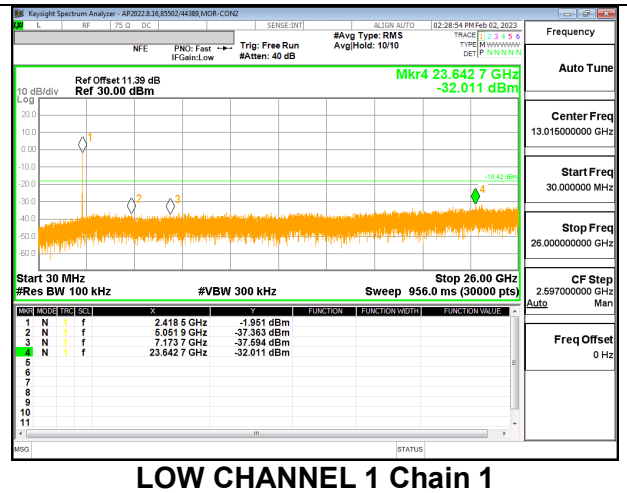
2TX Chain 0 + Chain 1 CDD OFDMA MODE: 106-Tones, RU Index 54
HIGH CHANNEL 11



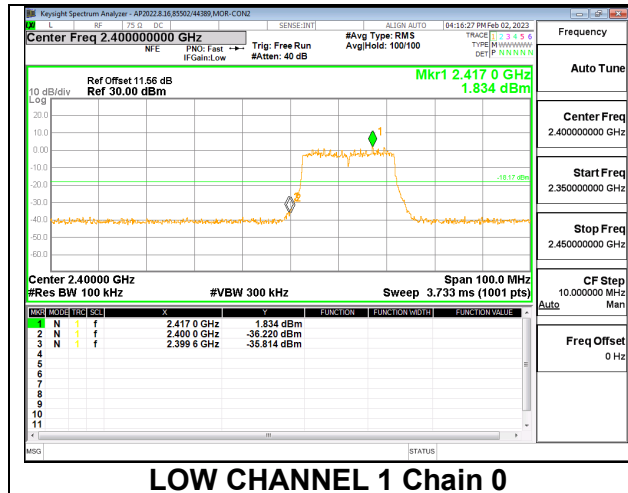
2TX Chain 0 + Chain 1 CDD OFDMA MODE: 242-Tones, RU Index 61
LOW CHANNEL 1



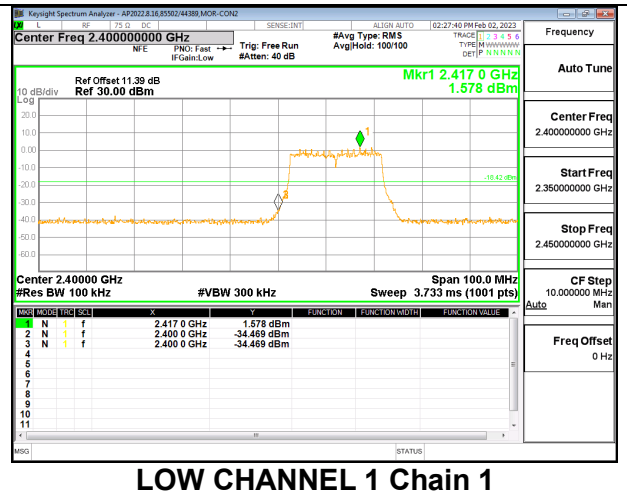
LOW CHANNEL 1 Chain 0



LOW CHANNEL 1 Chain 1

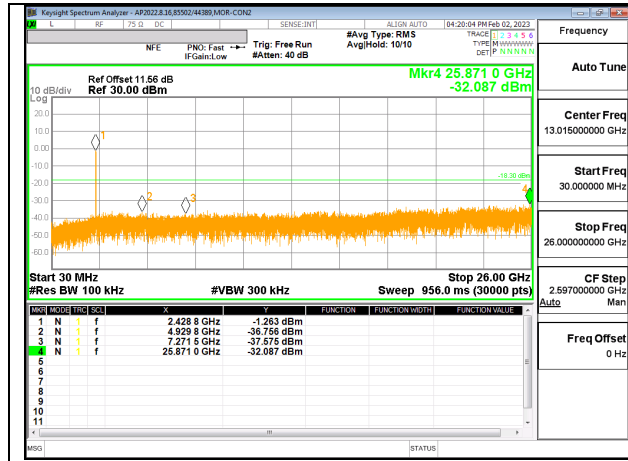


LOW CHANNEL 1 Chain 0

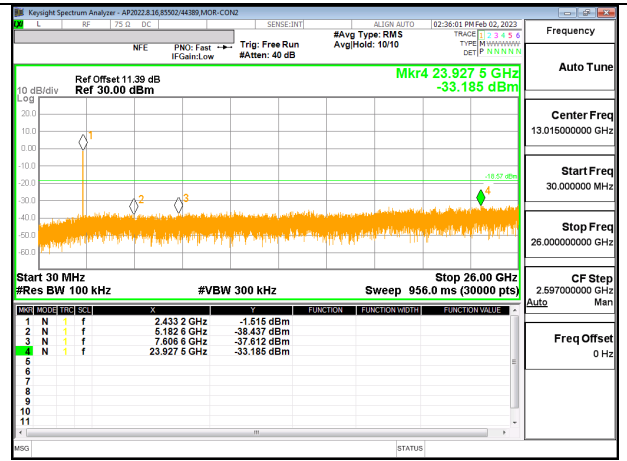


LOW CHANNEL 1 Chain 1

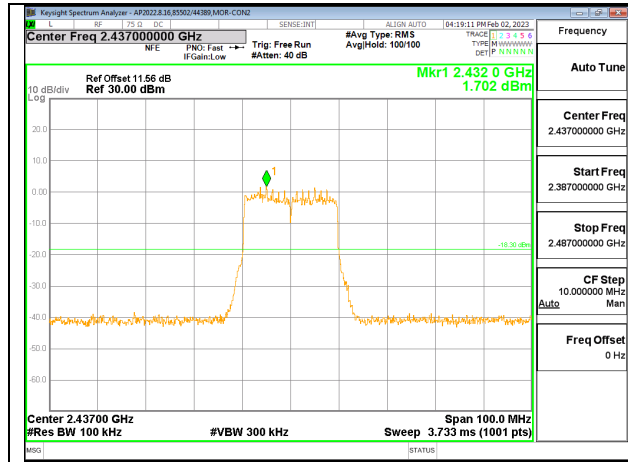
MID CHANNEL 6



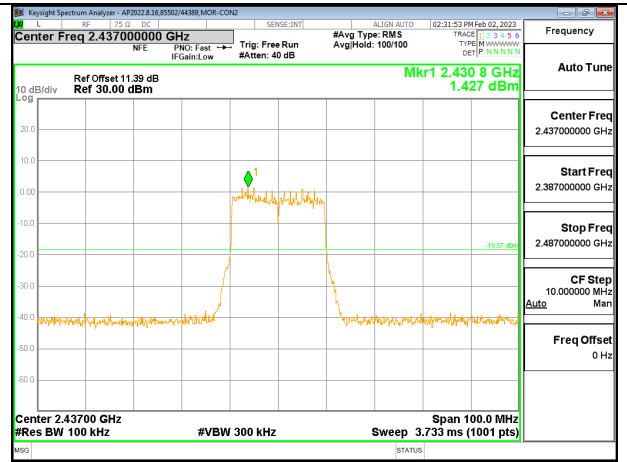
MID CHANNEL 6 Chain 0



MID CHANNEL 6 Chain 1

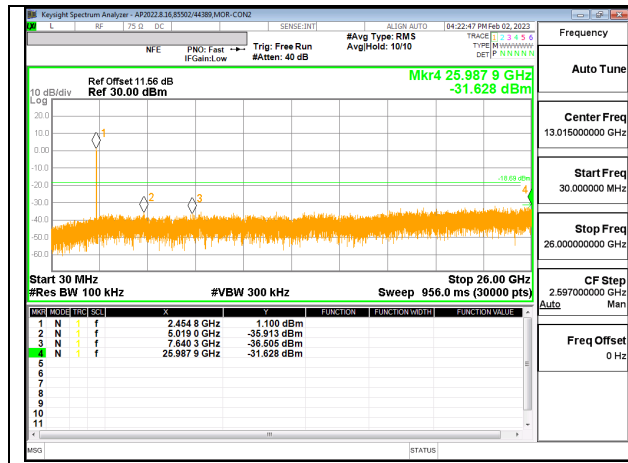


MID CHANNEL 6 Chain 0

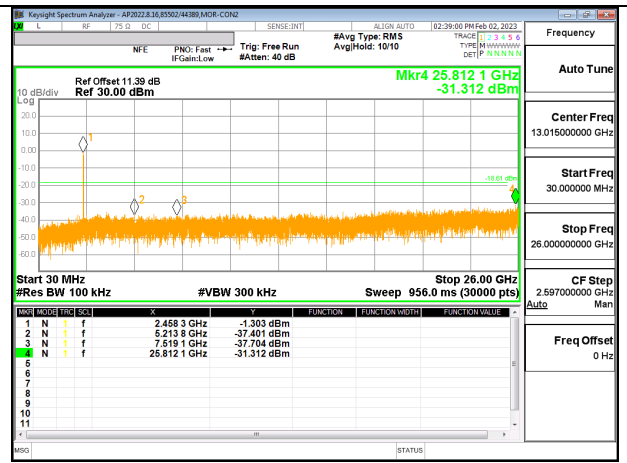


MID CHANNEL 6 Chain 1

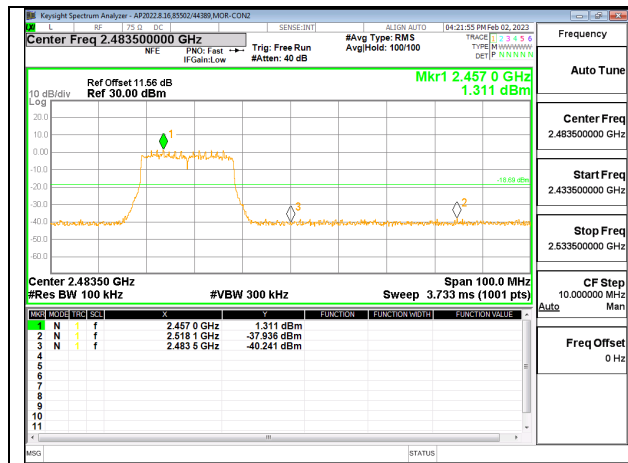
HIGH CHANNEL 11



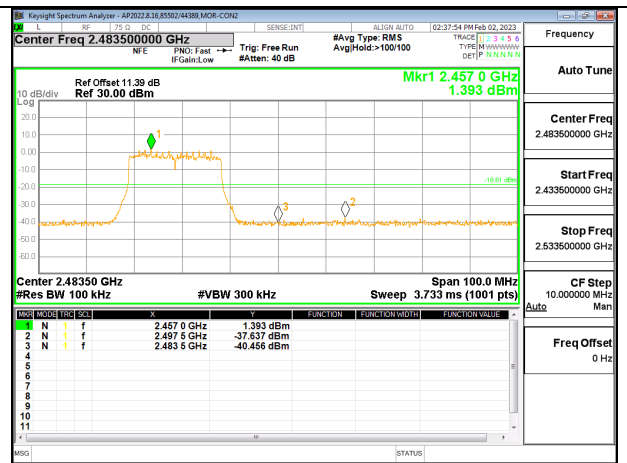
HIGH CHANNEL 11 Chain 0



HIGH CHANNEL 11 Chain 1



HIGH CHANNEL 11 Chain 0



HIGH CHANNEL 11 Chain 1

9.5. OUTPUT POWER

LIMITS

FCC §15.247 (b) (3)

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

TEST PROCEDURE

The cable assembly insertion loss for testing performed on 2023-02-01 of 11.56 dB (including 9.68 dB pad and 1.88 dB cable) for Chain 0 and 11.39dB (including 9.65 dB pad and 1.74 dB cable) for Chain 1 was entered as an offset in the peak power meter.

The cable assembly insertion loss for testing performed on 2023-03-08 of 11.44 dB (including 9.72 dB pad and 1.72 dB cable) for Chain 0 and 11.31dB (including 9.71 dB pad and 1.30 dB cable) for Chain 1 was entered as an offset in the peak power meter.

DIRECTIONAL ANTENNA GAIN

2 TX

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

| Band (GHz) | Chain 0 Gain (dBi) | Chain 1 Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|-----------------------|-----------------------------------|-----------------------------------|---|---|
| 2.4 | -0.43 | -4.44 | -1.99 | 0.80 |

RESULT

9.5.1. 802.11ax HE20 MODE 2TX

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 26-Tones, RU Index 0

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|-----------------------|
| Low 1 | 2412 | -1.99 | 30.00 | 30.00 |

Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| Low 1 | 2412 | 14.89 | 15.54 | 18.24 | 30.00 | -11.76 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 26-Tones, RU Index 4

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|-----------------------|
| Mid 6 | 2437 | -1.99 | 30.00 | 30.00 |

Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| Mid 6 | 2437 | 15.58 | 15.64 | 18.62 | 30.00 | -11.38 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 26-Tones, RU Index 8

| | |
|-----------------------|-------------|
| Test Engineer: | 27465/44389 |
| Test Date: | 2023-03-08 |

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|-----------------------|
| High 11 | 2462 | -1.99 | 30.00 | 30.00 |

Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| High 11 | 2462 | 14.70 | 15.67 | 18.22 | 30.00 | -11.78 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 52-Tones, RU Index 37

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|-----------------------|
| Low 1 | 2412 | -1.99 | 30.00 | 30.00 |

Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| Low 1 | 2412 | 17.76 | 17.74 | 20.76 | 30.00 | -9.24 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 52-Tones, RU Index 38

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|-----------------------|
| Mid 6 | 2437 | -1.99 | 30.00 | 30.00 |

Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| Mid 6 | 2437 | 18.25 | 18.11 | 21.19 | 30.00 | -8.81 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 52-Tones, RU Index 40

| | |
|-----------------------|--------------------------|
| Test Engineer: | 84740/44389, 27465/44389 |
| Test Date: | 2023-02-01, 2023-03-08 |

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|-----------------------|
| High 11 | 2462 | -1.99 | 30.00 | 30.00 |

Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| High 11 | 2462 | 17.22 | 17.79 | 20.52 | 30.00 | -9.48 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 106-Tones, RU Index 53

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|-----------------------|
| Low 1 | 2412 | -1.99 | 30.00 | 30.00 |
| Mid 6 | 2437 | -1.99 | 30.00 | 30.00 |

Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| Low 1 | 2412 | 20.64 | 20.61 | 23.64 | 30.00 | -6.36 |
| Mid 6 | 2437 | 20.78 | 21.15 | 23.98 | 30.00 | -6.02 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 106-Tones, RU Index 54

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|-----------------------|
| High 11 | 2462 | -1.99 | 30.00 | 30.00 |

Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| High 11 | 2462 | 19.89 | 20.18 | 23.05 | 30.00 | -6.95 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 242-Tones, RU Index 61

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|-----------------------|
| Low 1 | 2412 | -1.99 | 30.00 | 30.00 |
| Mid 6 | 2437 | -1.99 | 30.00 | 30.00 |
| High 11 | 2462 | -1.99 | 30.00 | 30.00 |

Results

| Channel | Frequency (MHz) | Chain 0 Meas Power (dBm) | Chain 1 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------|
| Low 1 | 2412 | 21.13 | 20.89 | 24.02 | 30.00 | -5.98 |
| Mid 6 | 2437 | 20.84 | 21.07 | 23.97 | 30.00 | -6.03 |
| High 11 | 2472 | 20.46 | 20.59 | 23.54 | 30.00 | -6.46 |

9.6. AVERAGE POWER

LIMITS

None; for reporting purposes only

TEST PROCEDURE

The transmitter output is connected to a gated average power meter.

The cable assembly insertion loss for testing performed on 2023-02-01 of 11.56 dB (including 9.68 dB pad and 1.88 dB cable) for Chain 0 and 11.39dB (including 9.65 dB pad and 1.74 dB cable) for Chain 1 was entered as an offset in the peak power meter.

The cable assembly insertion loss for testing performed on 2023-03-08 of 11.44 dB (including 9.72 dB pad and 1.72 dB cable) for Chain 0 and 11.31dB (including 9.71 dB pad and 1.30 dB cable) for Chain 1 was entered as an offset in the peak power meter.

RESULTS

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 26-Tones, RU Index 0

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

| Channel | Frequency (MHz) | Chain 0 Power (dBm) | Chain 1 Power (dBm) | Total Power (dBm) |
|---------|-----------------|---------------------|---------------------|-------------------|
| Low 1 | 2412 | 7.60 | 7.90 | 10.76 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 26-Tones, RU Index 4

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

| Channel | Frequency (MHz) | Chain 0 Power (dBm) | Chain 1 Power (dBm) | Total Power (dBm) |
|---------|-----------------|---------------------|---------------------|-------------------|
| Mid 6 | 2437 | 7.50 | 7.70 | 10.61 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 26-Tones, RU Index 8

| | |
|-----------------------|-------------|
| Test Engineer: | 27465/44389 |
| Test Date: | 2023-03-08 |

| Channel | Frequency (MHz) | Chain 0 Power (dBm) | Chain 1 Power (dBm) | Total Power (dBm) |
|---------|-----------------|---------------------|---------------------|-------------------|
| High 11 | 2462 | 7.05 | 7.34 | 10.21 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 52-Tones, RU Index 37

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

| Channel | Frequency (MHz) | Chain 0 Power (dBm) | Chain 1 Power (dBm) | Total Power (dBm) |
|---------|--------------------|---------------------------|---------------------------|-------------------------|
| Low 1 | 2412 | 10.33 | 10.23 | 13.29 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 52-Tones, RU Index 38

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

| Channel | Frequency (MHz) | Chain 0 Power (dBm) | Chain 1 Power (dBm) | Total Power (dBm) |
|---------|--------------------|---------------------------|---------------------------|-------------------------|
| Mid 6 | 2437 | 10.45 | 10.60 | 13.54 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 52-Tones, RU Index 40

| | |
|-----------------------|--------------------------|
| Test Engineer: | 84740/44389, 27465/44389 |
| Test Date: | 2023-02-01, 2023-03-08 |

| Channel | Frequency (MHz) | Chain 0 Power (dBm) | Chain 1 Power (dBm) | Total Power (dBm) |
|---------|--------------------|---------------------------|---------------------------|-------------------------|
| High 11 | 2462 | 9.72 | 9.61 | 12.68 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 106-Tones, RU Index 53

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

| Channel | Frequency (MHz) | Chain 0 Power (dBm) | Chain 1 Power (dBm) | Total Power (dBm) |
|---------|-----------------|---------------------|---------------------|-------------------|
| Low 1 | 2412 | 12.90 | 12.85 | 15.89 |
| Mid 6 | 2437 | 13.12 | 13.46 | 16.30 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 106-Tones, RU Index 54

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

| Channel | Frequency (MHz) | Chain 0 Power (dBm) | Chain 1 Power (dBm) | Total Power (dBm) |
|---------|-----------------|---------------------|---------------------|-------------------|
| High 11 | 2462 | 12.03 | 12.25 | 15.15 |

2TX Chain 0 + Chain 1 CDD OFDMA MODE: 242-Tones, RU Index 61

| | |
|-----------------------|-------------|
| Test Engineer: | 84740/44389 |
| Test Date: | 2023-02-01 |

| Channel | Frequency (MHz) | Chain 0 Power (dBm) | Chain 1 Power (dBm) | Total Power (dBm) |
|---------|-----------------|---------------------|---------------------|-------------------|
| Low 1 | 2412 | 12.56 | 12.73 | 15.66 |
| Mid 6 | 2437 | 12.87 | 12.78 | 15.84 |
| High 11 | 2462 | 12.32 | 12.40 | 15.37 |

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 |

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 3 MHz 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.

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 30MHz, below 1GHz and above 18GHz emissions, the channel with the highest power spectral density 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).

Based 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

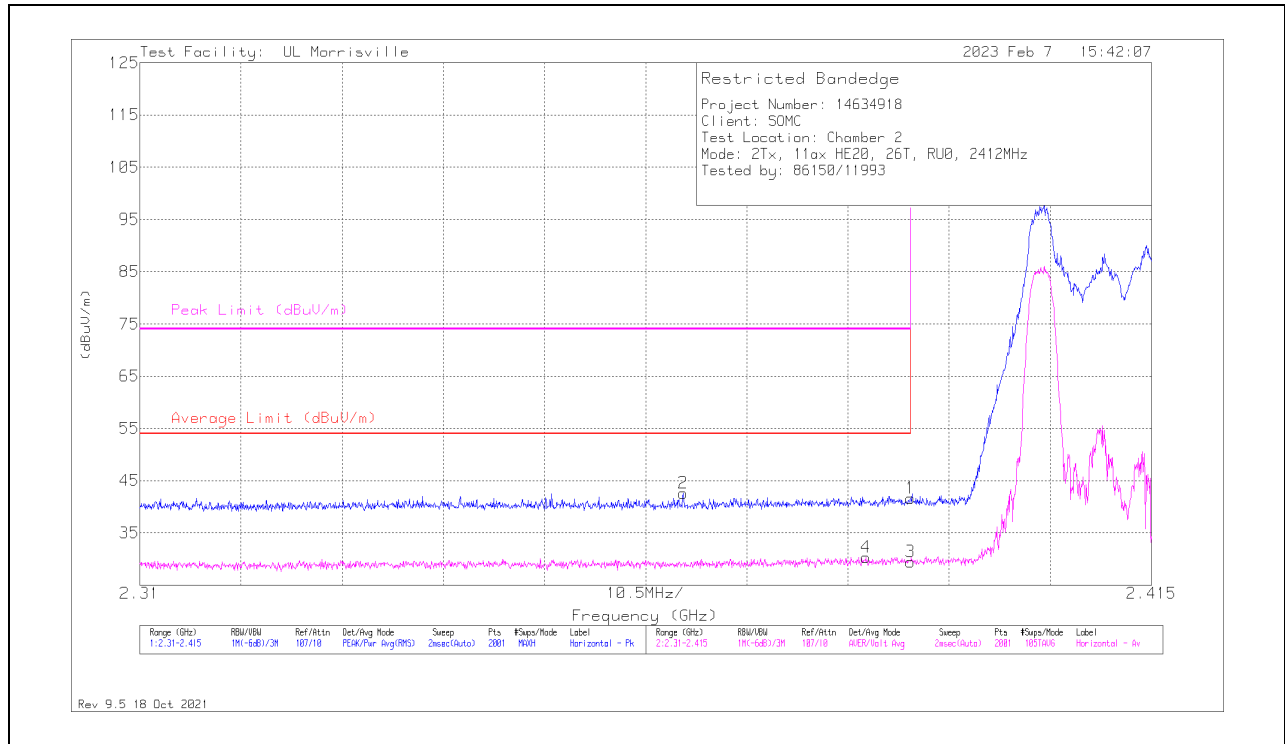
OFS and chamber correlation testing had been performed and chamber measured test result is the worst-case test result.

10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11ax HE20 MODE IN THE 2.4GHz BAND 2TX Chain 0 + Chain 1 OFDMA MODE: 26-Tones, RU Index 0

BANDEDGE (LOW CHANNEL 1)

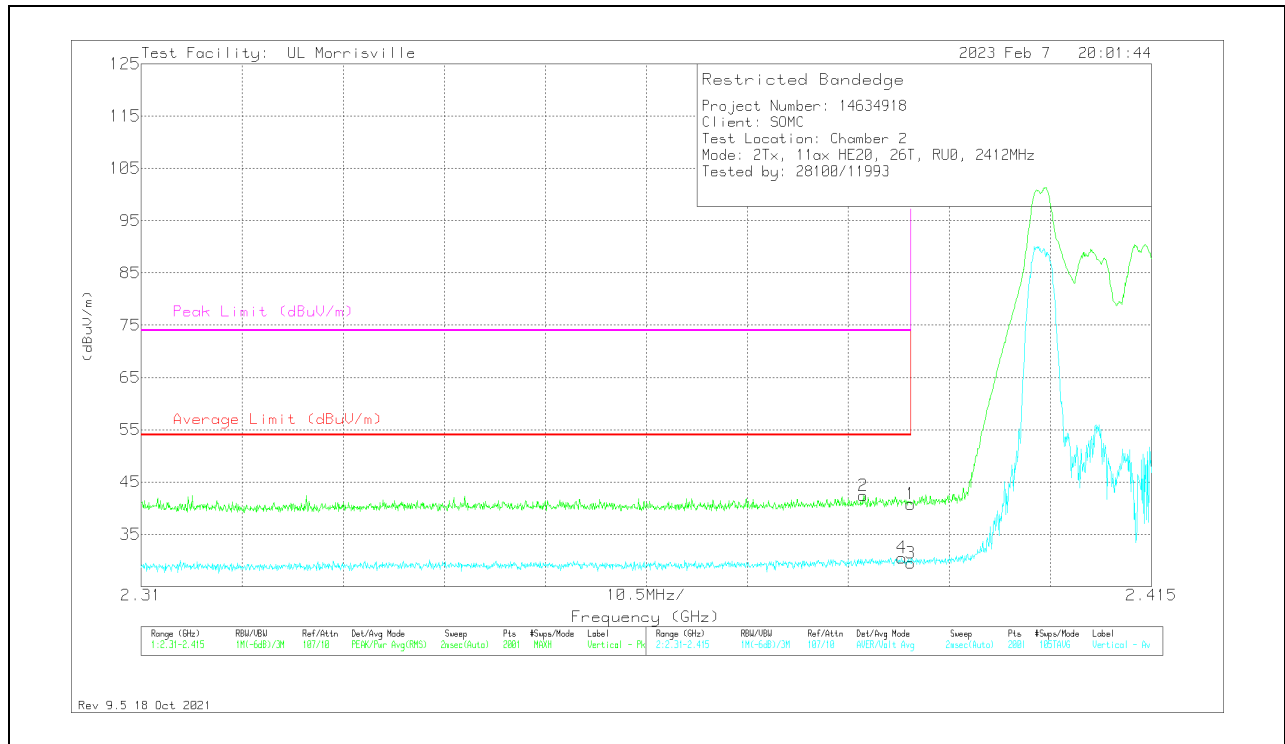
HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (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 | *** 2.38996 | 33.36 | Pk | 32 | -23.8 | 0 | 41.56 | - | - | 74 | -32.44 | 145 | 300 | H |
| 2 | *** 2.36639 | 34.72 | Pk | 32 | -24.1 | 0 | 42.62 | - | - | 74 | -31.38 | 145 | 300 | H |
| 3 | *** 2.38996 | 20.78 | ADV | 32 | -23.8 | .49 | 29.47 | 54 | -24.53 | - | - | 145 | 300 | H |
| 4 | *** 2.38534 | 21.52 | ADV | 32.1 | -23.8 | .49 | 30.31 | 54 | -23.69 | - | - | 145 | 300 | 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



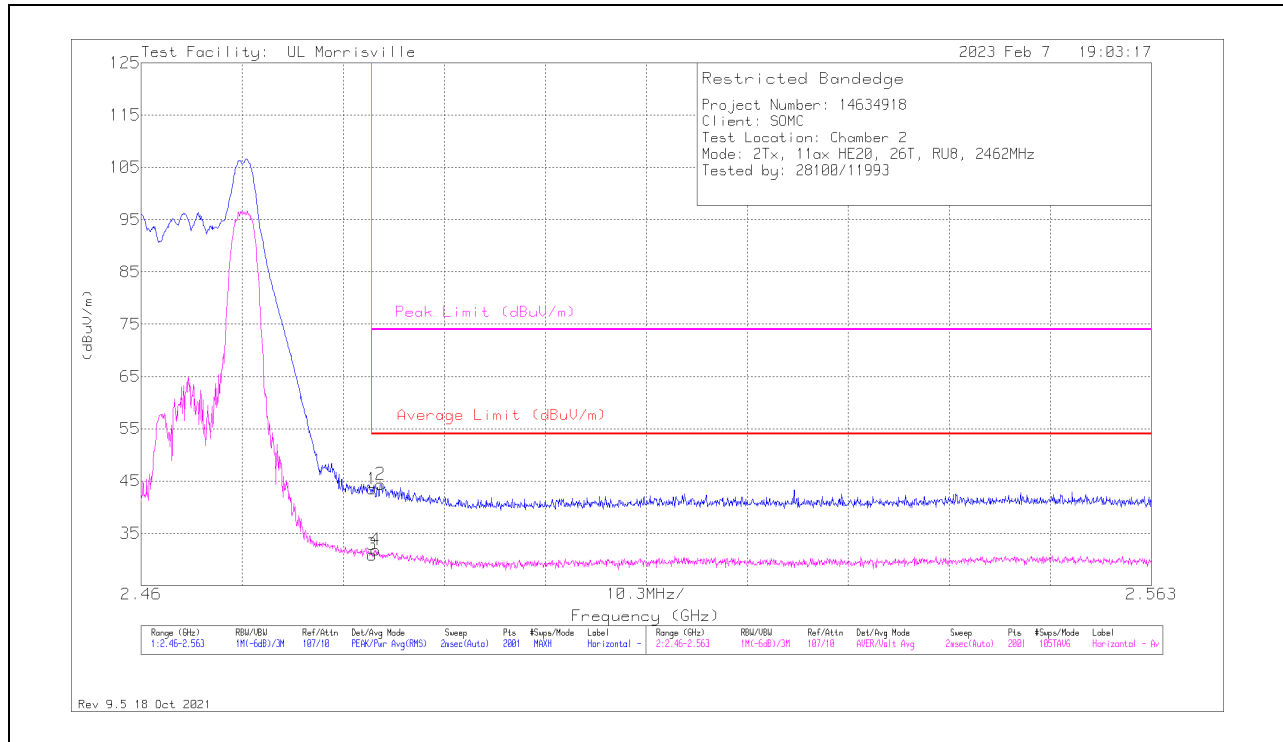
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.38996 | 32.58 | Pk | 32 | -23.8 | 0 | 40.78 | - | - | 74 | -33.22 | 156 | 177 | V |
| 2 | * ** 2.38502 | 34.09 | Pk | 32.1 | -23.8 | 0 | 42.39 | - | - | 74 | -31.61 | 156 | 177 | V |
| 3 | * ** 2.38996 | 20.78 | ADV | 32 | -23.8 | .49 | 29.47 | 54 | -24.53 | - | - | 156 | 177 | V |
| 4 | * ** 2.38907 | 21.82 | ADV | 32 | -23.8 | .49 | 30.51 | 54 | -23.49 | - | - | 156 | 177 | 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

2TX Chain 0 + Chain 1 OFDMA MODE: 26-Tones, RU Index 8

BANDEDGE (HIGH CHANNEL 11)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (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 | * ** 2.48354 | 35.49 | Pk | 32.3 | -24.3 | 0 | 43.49 | - | - | 74 | -30.51 | 197 | 155 | H |
| 2 | * ** 2.48441 | 36.46 | Pk | 32.3 | -24.4 | 0 | 44.36 | - | - | 74 | -29.64 | 197 | 155 | H |
| 3 | * ** 2.48354 | 22.41 | ADV | 32.3 | -24.3 | .49 | 30.9 | 54 | -23.1 | - | - | 197 | 155 | H |
| 4 | * ** 2.4839 | 23.45 | ADV | 32.3 | -24.4 | .49 | 31.84 | 54 | -22.16 | - | - | 197 | 155 | H |

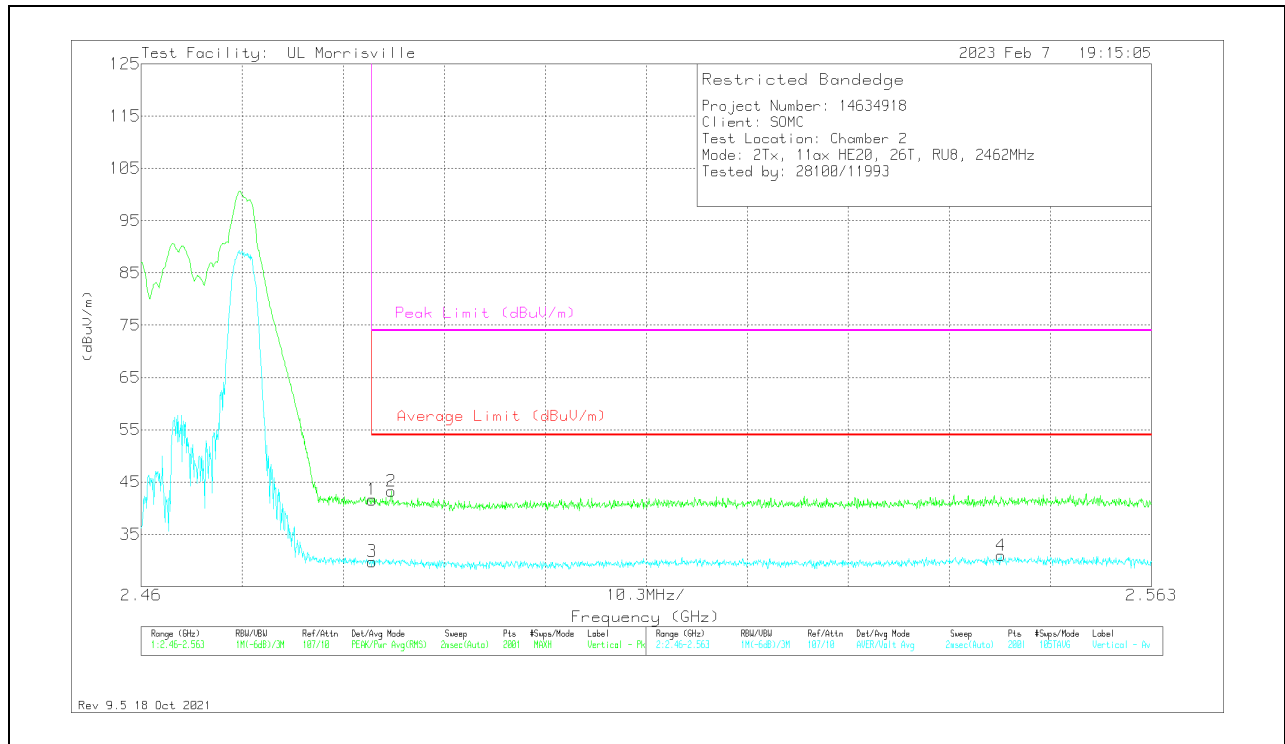
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

PK - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (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 | * ** 2.48354 | 33.63 | Pk | 32.3 | -24.3 | 0 | 41.63 | - | - | 74 | -32.37 | 159 | 159 | V |
| 2 | * ** 2.48549 | 35.43 | Pk | 32.3 | -24.5 | 0 | 43.23 | - | - | 74 | -30.77 | 159 | 159 | V |
| 3 | * ** 2.48354 | 21.27 | ADV | 32.3 | -24.3 | .49 | 29.76 | 54 | -24.24 | - | - | 159 | 158 | V |
| 4 | ** 2.54765 | 22.54 | ADV | 32.5 | -24.6 | .49 | 30.93 | 54 | -23.07 | - | - | 159 | 158 | V |

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

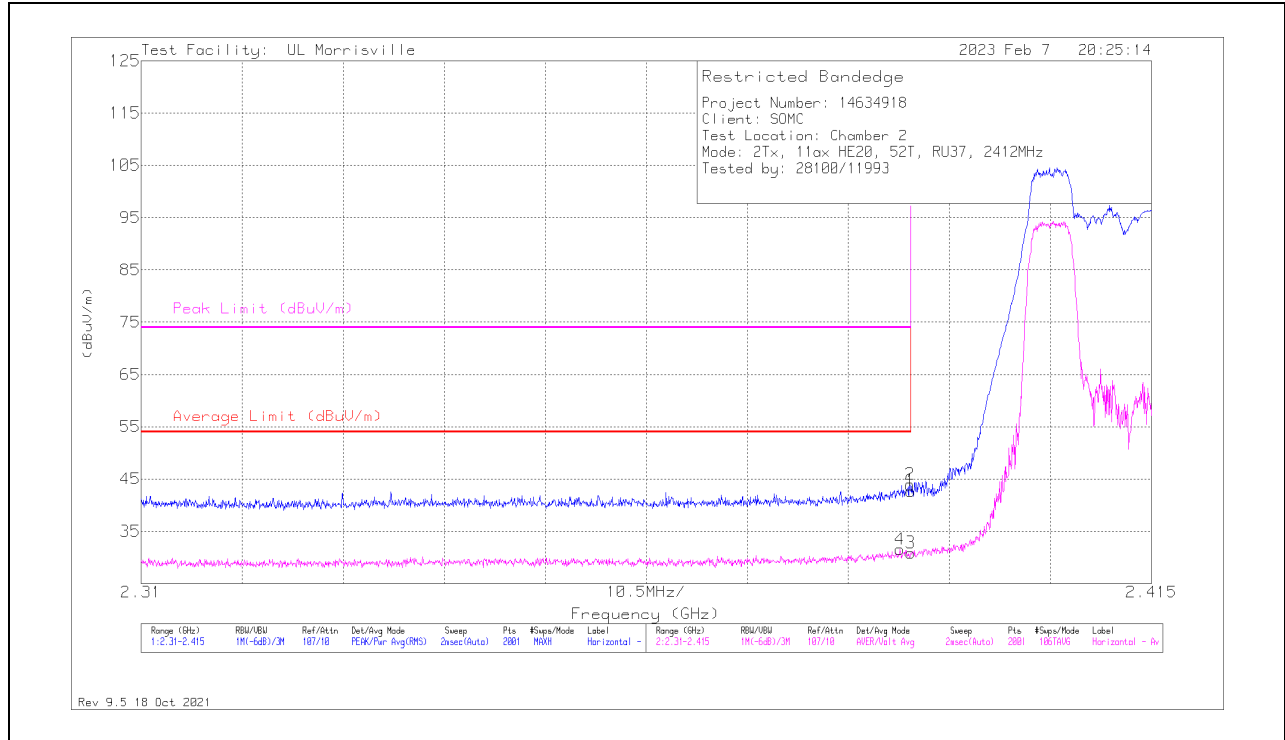
Pk - Peak detector

ADV - Linear Voltage Average

2TX Chain 0 + Chain 1 OFDMA MODE: 52-Tones, RU Index 37

BANDEDGE (LOW CHANNEL 1)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (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 | * ** 2.38996 | 34.5 | Pk | 32 | -23.8 | 0 | 42.7 | - | - | 74 | -31.3 | 200 | 129 | H |
| 2 | * ** 2.38991 | 35.73 | Pk | 32 | -23.8 | 0 | 43.93 | - | - | 74 | -30.07 | 200 | 129 | H |
| 3 | * ** 2.38996 | 22.11 | ADV | 32 | -23.8 | .54 | 30.85 | 54 | -23.15 | - | - | 200 | 129 | H |
| 4 | * ** 2.38886 | 22.79 | ADV | 32 | -23.8 | .54 | 31.53 | 54 | -22.47 | - | - | 200 | 129 | H |

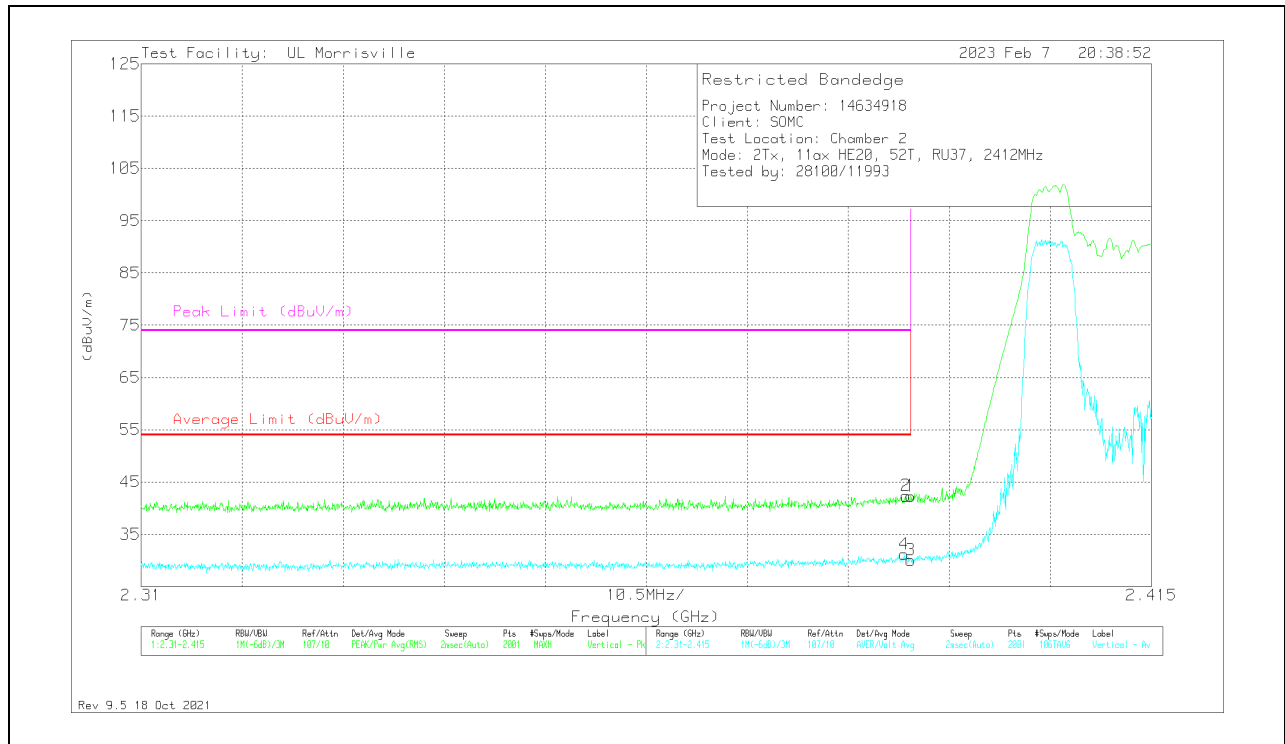
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



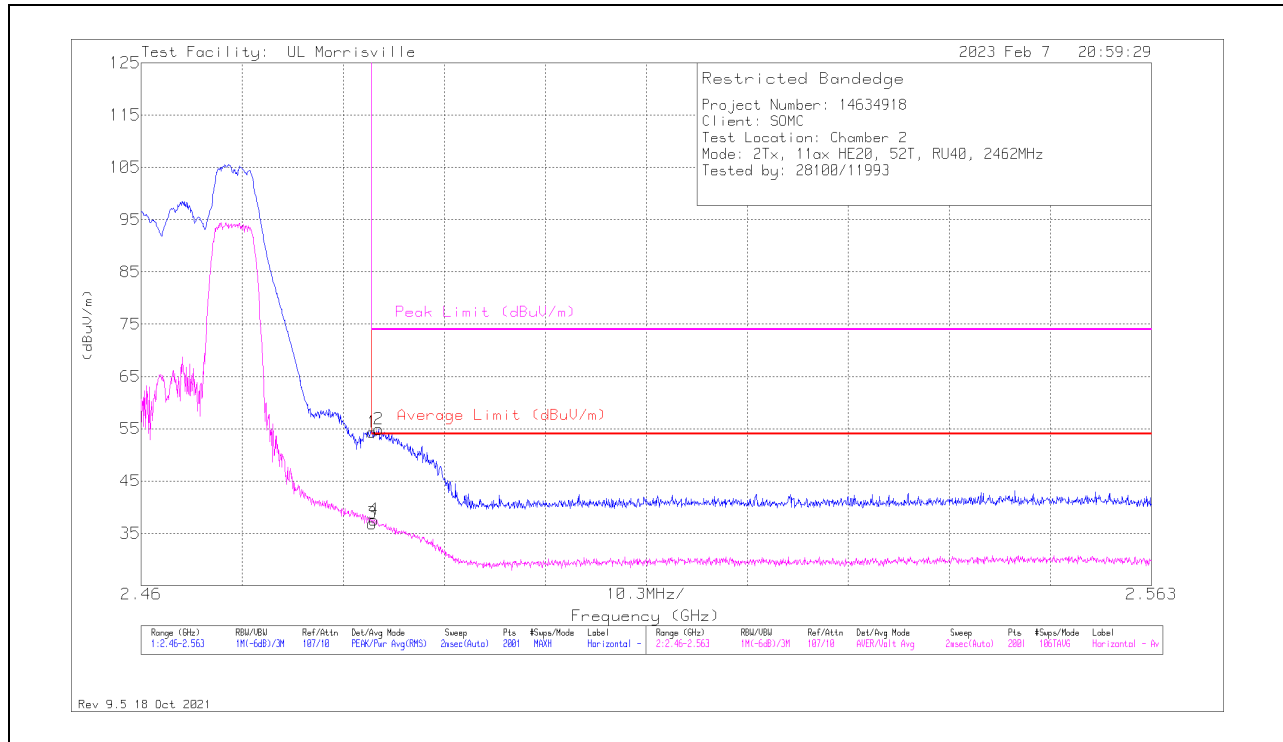
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.38996 | 34.12 | Pk | 32 | -23.8 | 0 | 42.32 | - | - | 74 | -31.68 | 360 | 107 | V |
| 2 | * ** 2.38949 | 34.15 | Pk | 32 | -23.8 | 0 | 42.35 | - | - | 74 | -31.65 | 360 | 107 | V |
| 3 | * ** 2.38996 | 21.31 | ADV | 32 | -23.8 | .54 | 30.05 | 54 | -23.95 | - | - | 360 | 107 | V |
| 4 | * ** 2.38928 | 22.45 | ADV | 32 | -23.8 | .54 | 31.19 | 54 | -22.81 | - | - | 360 | 107 | 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

2TX Chain 0 + Chain 1 OFDMA MODE: 52-Tones, RU Index 40

BANDEDGE (HIGH CHANNEL 11)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (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 | * ** 2.48354 | 46.32 | Pk | 32.3 | -24.3 | 0 | 54.32 | - | - | 74 | -19.68 | 146 | 101 | H |
| 2 | * ** 2.48421 | 47.01 | Pk | 32.3 | -24.4 | 0 | 54.91 | - | - | 74 | -19.09 | 146 | 101 | H |
| 3 | * ** 2.48354 | 28.34 | ADV | 32.3 | -24.3 | .54 | 36.88 | 54 | -17.12 | - | - | 146 | 101 | H |
| 4 | * ** 2.48374 | 29.05 | ADV | 32.3 | -24.3 | .54 | 37.59 | 54 | -16.41 | - | - | 146 | 101 | H |

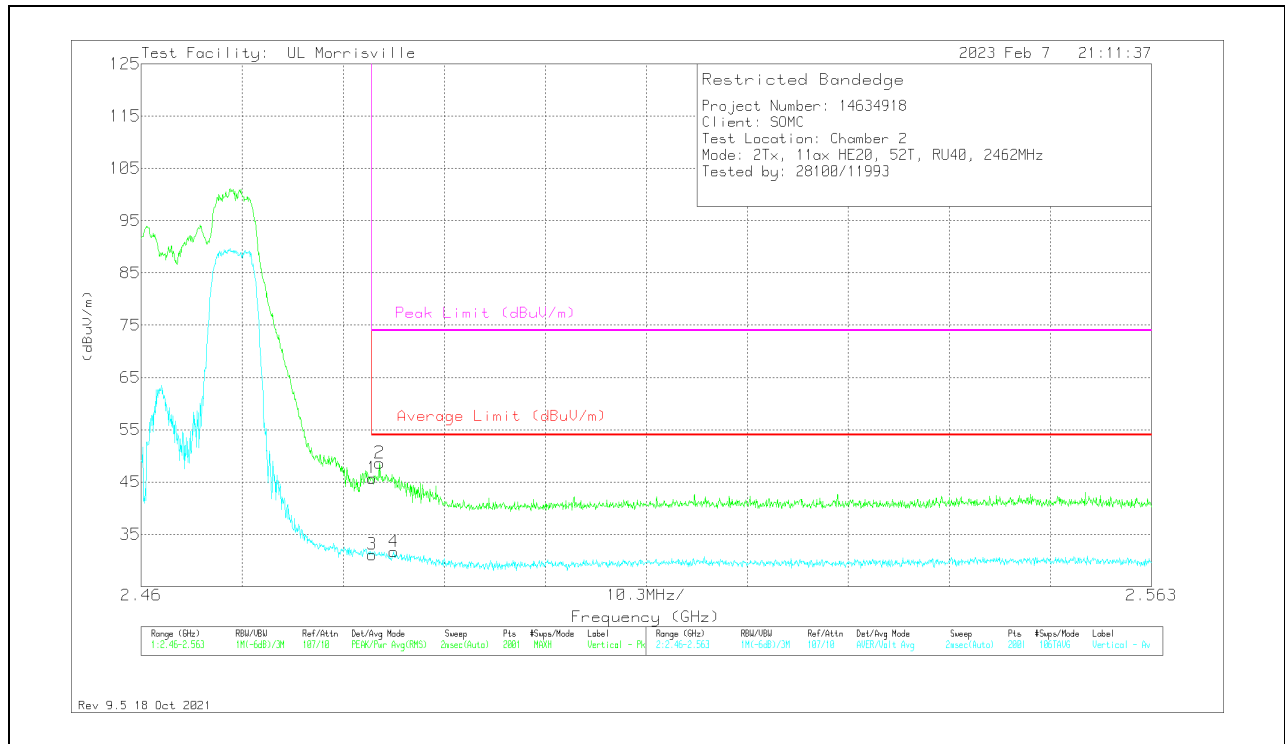
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (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 | * ** 2.48354 | 37.74 | Pk | 32.3 | -24.3 | 0 | 45.74 | - | - | 74 | -28.26 | 36 | 105 | V |
| 2 | * ** 2.48431 | 40.75 | Pk | 32.3 | -24.4 | 0 | 48.65 | - | - | 74 | -25.35 | 36 | 105 | V |
| 3 | * ** 2.48354 | 22.59 | ADV | 32.3 | -24.3 | .54 | 31.13 | 54 | -22.87 | - | - | 36 | 105 | V |
| 4 | * ** 2.48575 | 23.34 | ADV | 32.3 | -24.5 | .54 | 31.68 | 54 | -22.32 | - | - | 36 | 105 | V |

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

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

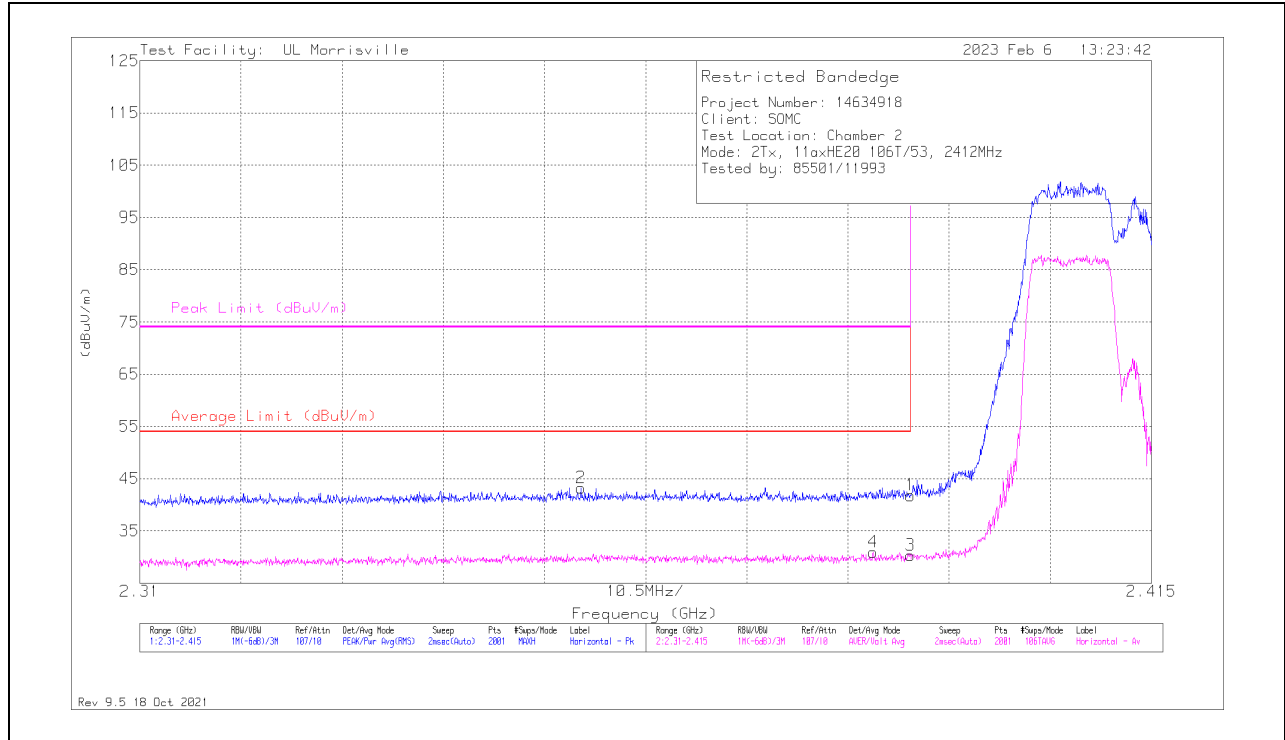
Pk - Peak detector

ADV - Linear Voltage Average

2TX Chain 0 + Chain 1 OFDMA MODE: 106-Tones, RU Index 53

BANDEDGE (LOW CHANNEL 1)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (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 | * ** 2.38996 | 33.89 | Pk | 32 | -24.1 | 0 | 41.79 | - | - | 74 | -32.21 | 47 | 393 | H |
| 2 | * ** 2.35578 | 35.36 | Pk | 31.9 | -24 | 0 | 43.26 | - | - | 74 | -30.74 | 47 | 393 | H |
| 3 | * ** 2.38996 | 21.86 | ADV | 32 | -24.1 | .53 | 30.29 | 54 | -23.71 | - | - | 47 | 393 | H |
| 4 | * ** 2.38613 | 22.43 | ADV | 32 | -24.1 | .53 | 30.86 | 54 | -23.14 | - | - | 47 | 393 | H |

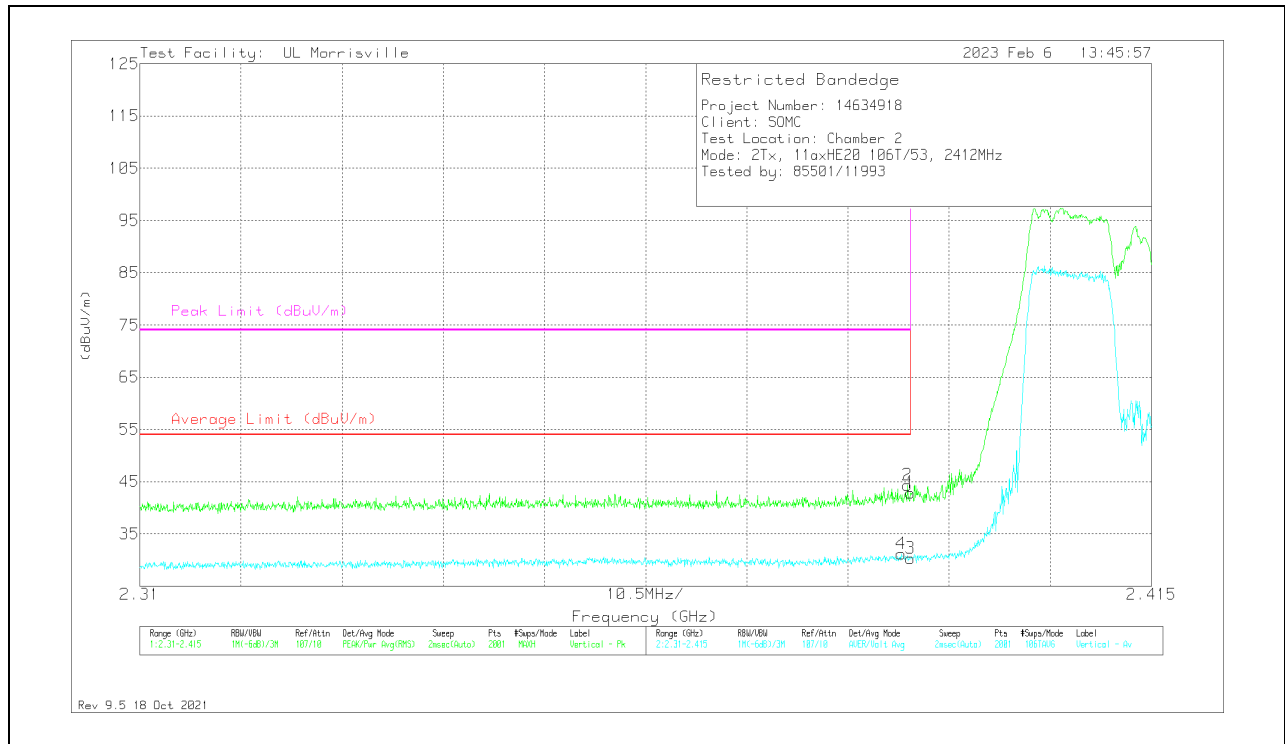
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

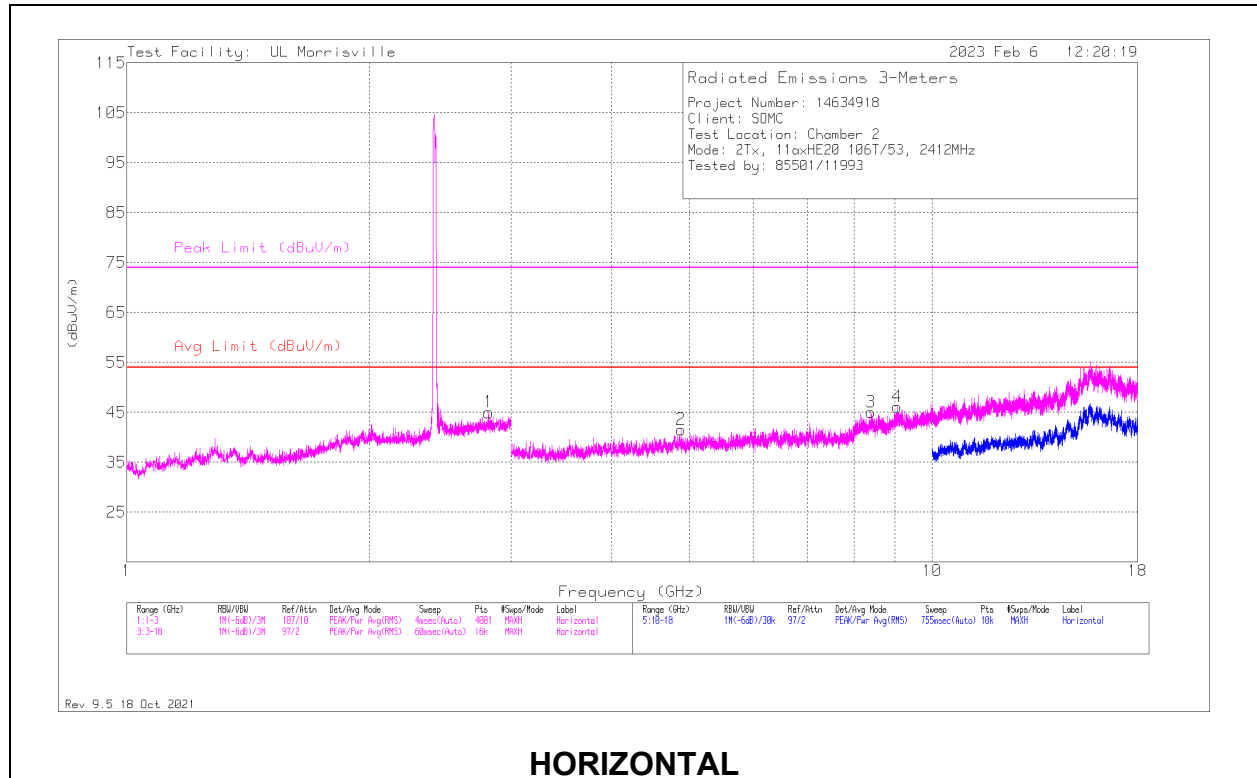


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.38996 | 35 | Pk | 32 | -24.1 | 0 | 42.9 | - | - | 74 | -31.1 | 47 | 393 | V |
| 2 | * ** 2.3897 | 36.43 | Pk | 32 | -24.1 | 0 | 44.33 | - | - | 74 | -29.67 | 47 | 393 | V |
| 3 | * ** 2.38996 | 21.84 | ADV | 32 | -24.1 | .53 | 30.27 | 54 | -23.73 | - | - | 47 | 393 | V |
| 4 | * ** 2.38901 | 22.74 | ADV | 32 | -24.1 | .53 | 31.17 | 54 | -22.83 | - | - | 47 | 393 | V |

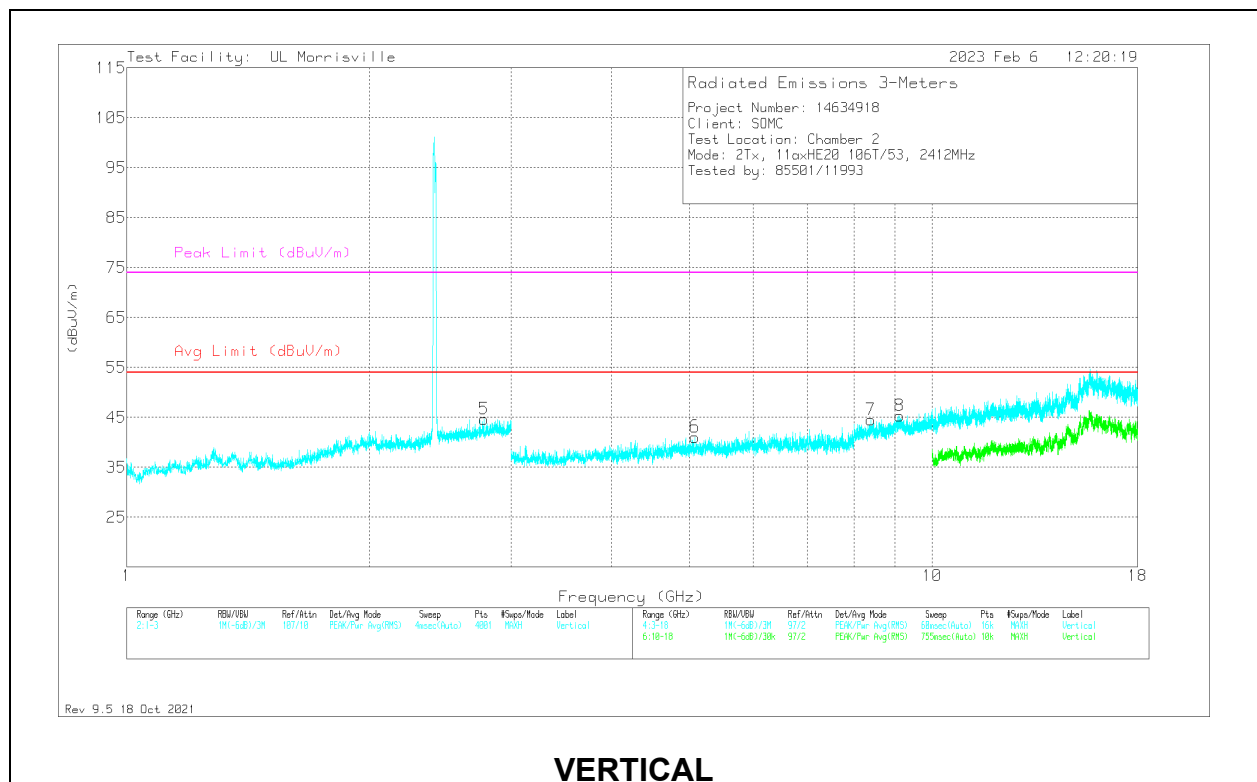
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 ** - indicates frequency in Taiwan NCC LP0002 Restricted Band
 Pk - Peak detector
 ADV - Linear Voltage Average

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL 1 RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

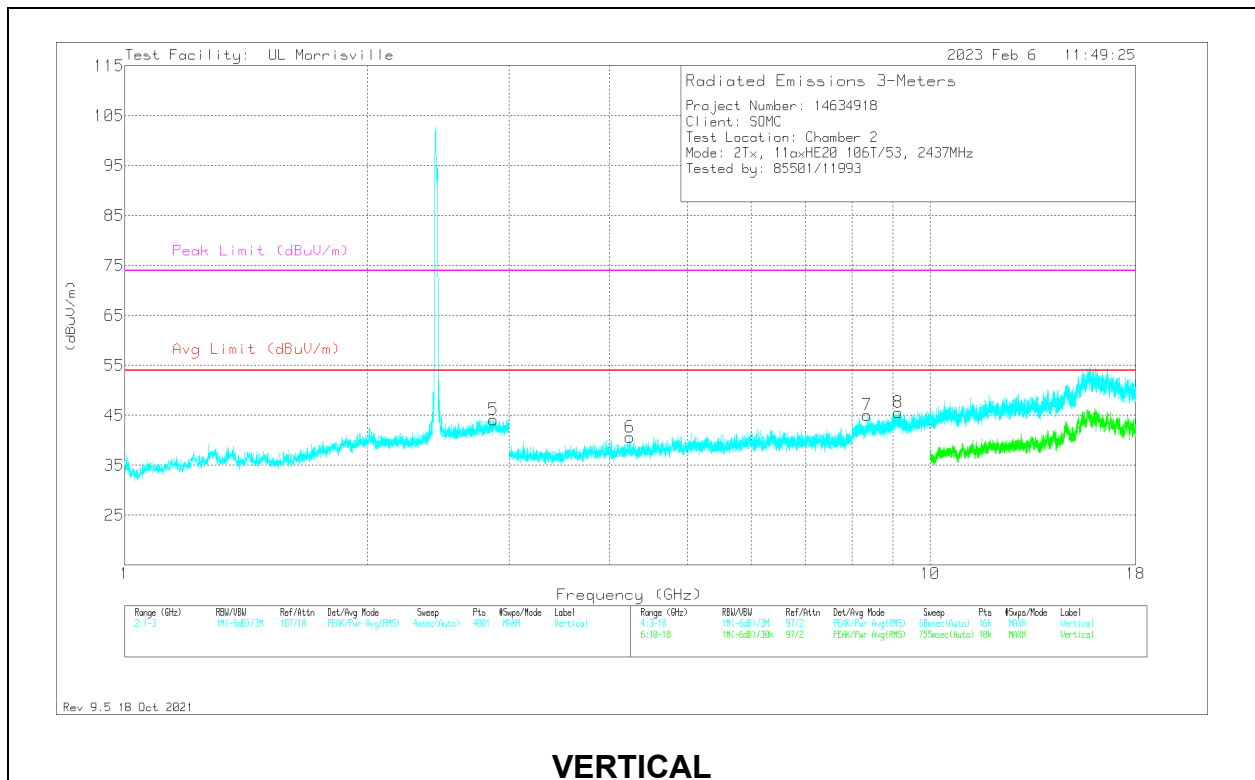
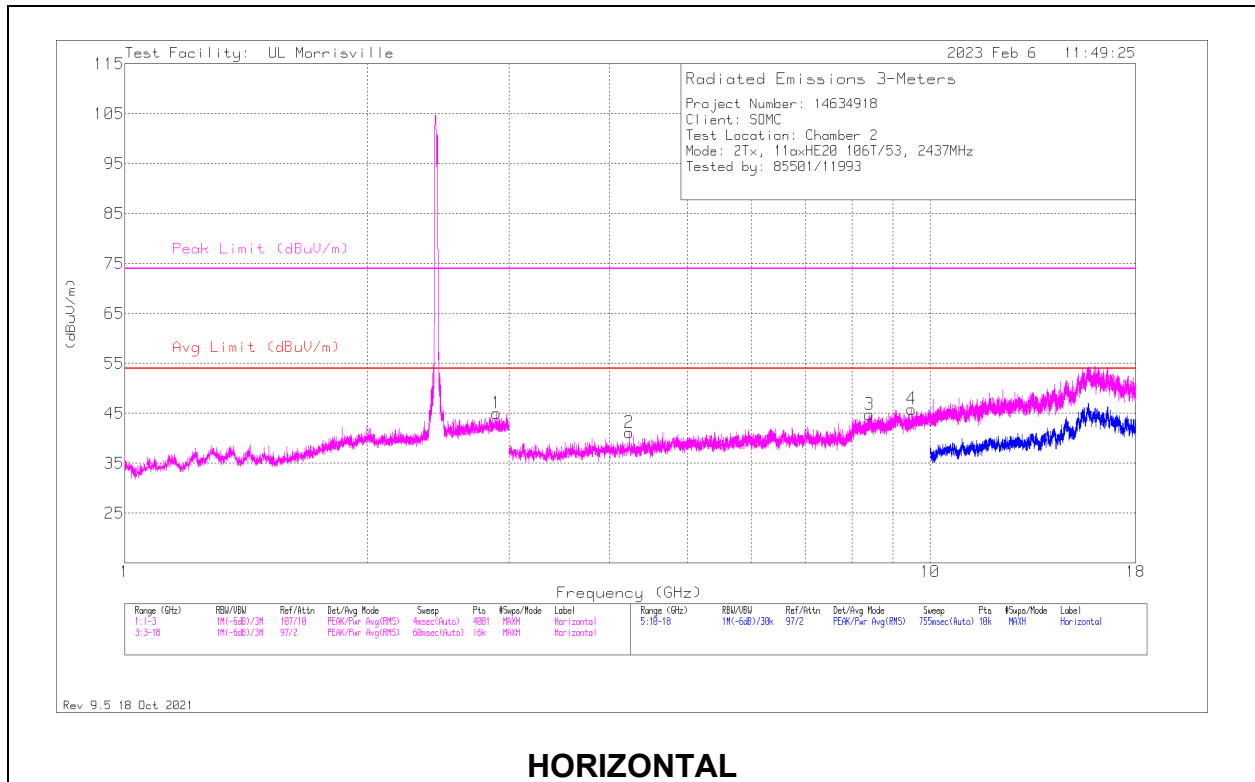
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | *** 2.814 | 35.69 | Pk | 32.6 | -23.3 | 44.99 | 54 | -9.01 | 74 | -29.01 | 0-360 | 200 | H |
| 5 | *** 2.777 | 35.88 | Pk | 32.5 | -23.7 | 44.68 | 54 | -9.32 | 74 | -29.32 | 0-360 | 200 | V |
| 2 | *** 4.87781 | 38.71 | Pk | 34 | -31.2 | 41.51 | 54 | -12.49 | 74 | -32.49 | 0-360 | 200 | H |
| 3 | *** 8.39156 | 38.66 | Pk | 35.8 | -29.4 | 45.06 | 54 | -8.94 | 74 | -28.94 | 0-360 | 101 | H |
| 4 | *** 9.05625 | 38.18 | Pk | 36.2 | -28.3 | 46.08 | 54 | -7.92 | 74 | -27.92 | 0-360 | 200 | H |
| 6 | *** 5.07844 | 37.79 | Pk | 34.2 | -30.9 | 41.09 | 54 | -12.91 | 74 | -32.91 | 0-360 | 101 | V |
| 7 | *** 8.39531 | 38.18 | Pk | 35.8 | -29.5 | 44.48 | 54 | -9.52 | 74 | -29.52 | 0-360 | 101 | V |
| 8 | *** 9.11906 | 38.03 | Pk | 36.3 | -29 | 45.33 | 54 | -8.67 | 74 | -28.67 | 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

MID CHANNEL 6 RESULTS



RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.8945 | 35.49 | Pk | 32.7 | -23.1 | 0 | 45.09 | 54 | -8.91 | 74 | -28.91 | 0-360 | 101 | H |
| 5 | * ** 2.868 | 34.59 | Pk | 32.7 | -23.2 | 0 | 44.09 | 54 | -9.91 | 74 | -29.91 | 0-360 | 200 | V |
| 2 | * ** 4.23094 | 38.19 | Pk | 33.5 | -30.5 | 0 | 41.19 | 54 | -12.81 | 74 | -32.81 | 0-360 | 199 | H |
| 3 | * ** 8.41406 | 38.65 | Pk | 35.8 | -29.6 | 0 | 44.85 | 54 | -9.15 | 74 | -29.15 | 0-360 | 101 | H |
| 4 | * ** 9.47906 | 37.59 | Pk | 36.7 | -28.4 | 0 | 45.89 | 54 | -8.11 | 74 | -28.11 | 0-360 | 101 | H |
| 6 | * ** 4.23563 | 37.68 | Pk | 33.5 | -30.6 | 0 | 40.58 | 54 | -13.42 | 74 | -33.42 | 0-360 | 200 | V |
| 7 | * ** 8.35125 | 37.85 | Pk | 35.8 | -28.6 | 0 | 45.05 | 54 | -8.95 | 74 | -28.95 | 0-360 | 101 | V |
| 8 | * ** 9.12656 | 38.13 | Pk | 36.3 | -28.8 | 0 | 45.63 | 54 | -8.37 | 74 | -28.37 | 0-360 | 101 | V |

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

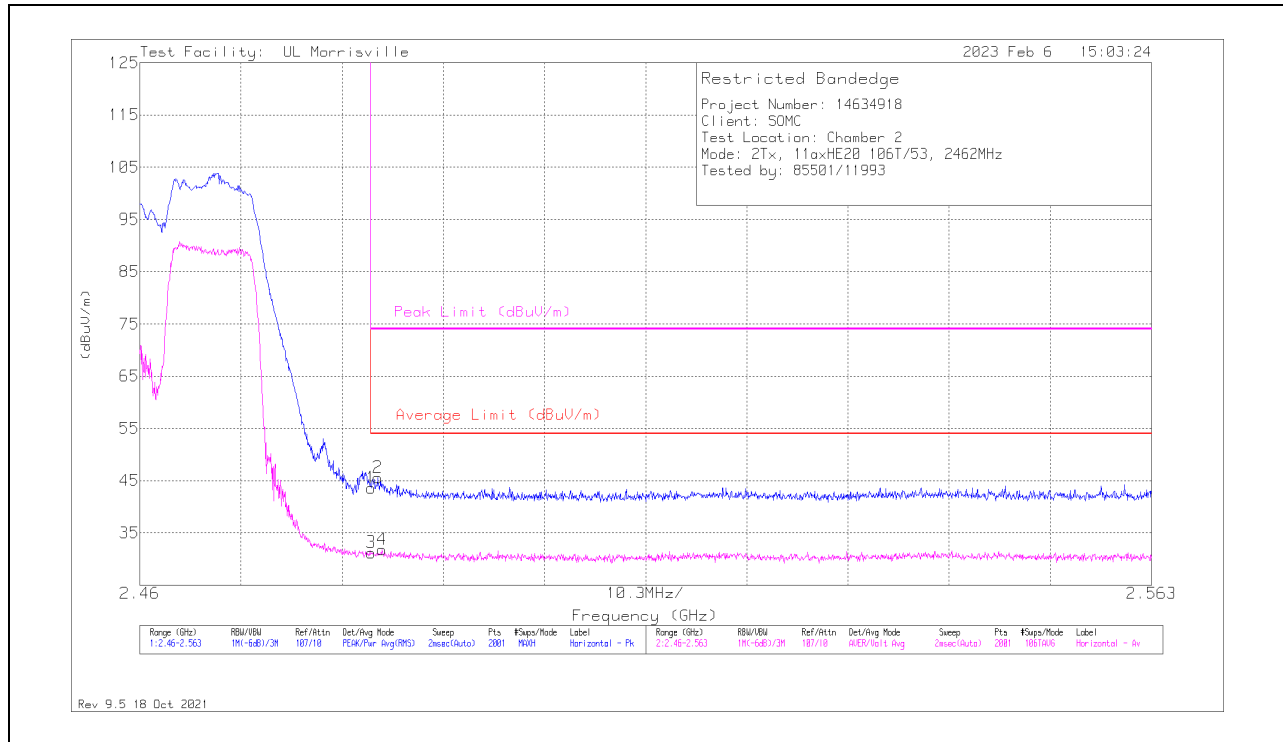
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

2TX Chain 0 + Chain 1 OFDMA MODE: 106-Tones, RU Index 54

BANDEDGE (HIGH CHANNEL 11)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (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 | * ** 2.48354 | 35.1 | Pk | 32.5 | -24 | 0 | 43.6 | - | - | 74 | -30.4 | 342 | 345 | H |
| 2 | * ** 2.48421 | 37.12 | Pk | 32.5 | -24 | 0 | 45.62 | - | - | 74 | -28.38 | 342 | 345 | H |
| 3 | * ** 2.48354 | 22.19 | ADV | 32.5 | -24 | .53 | 31.22 | 54 | -22.78 | - | - | 342 | 345 | H |
| 4 | * ** 2.48467 | 22.7 | ADV | 32.5 | -24 | .53 | 31.73 | 54 | -22.27 | - | - | 342 | 345 | H |

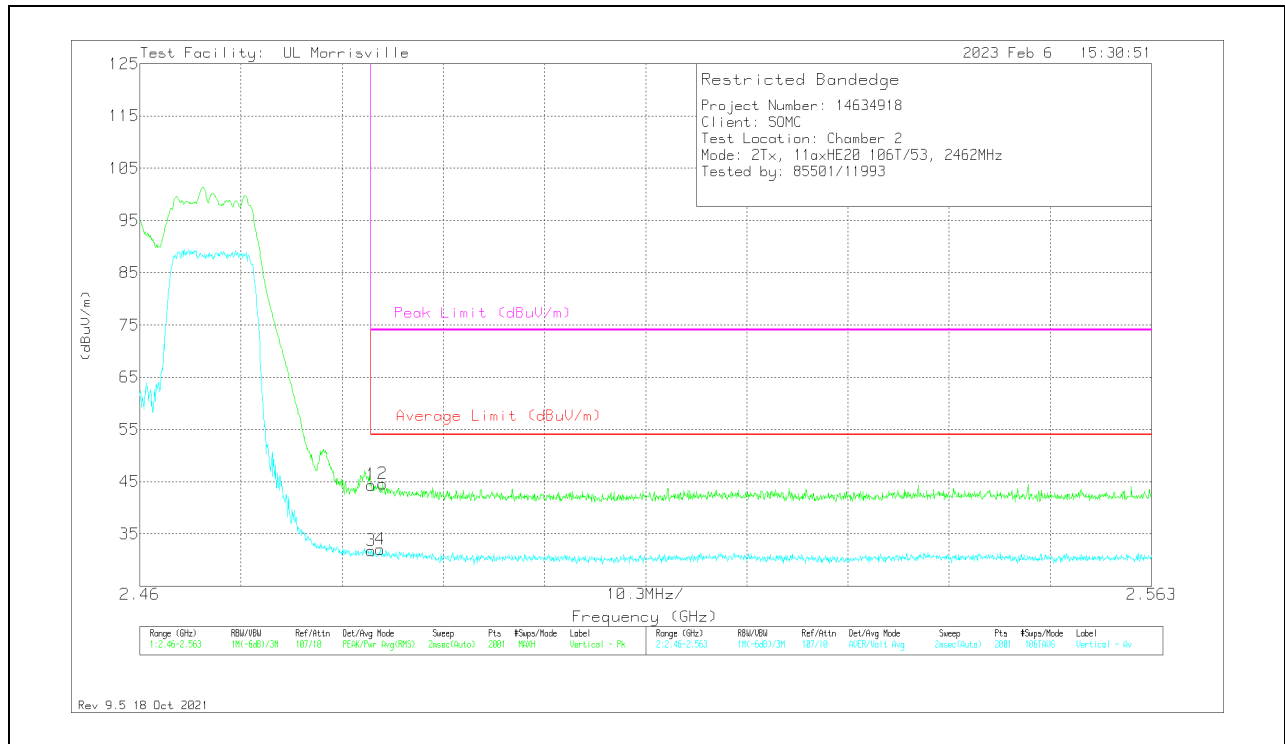
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

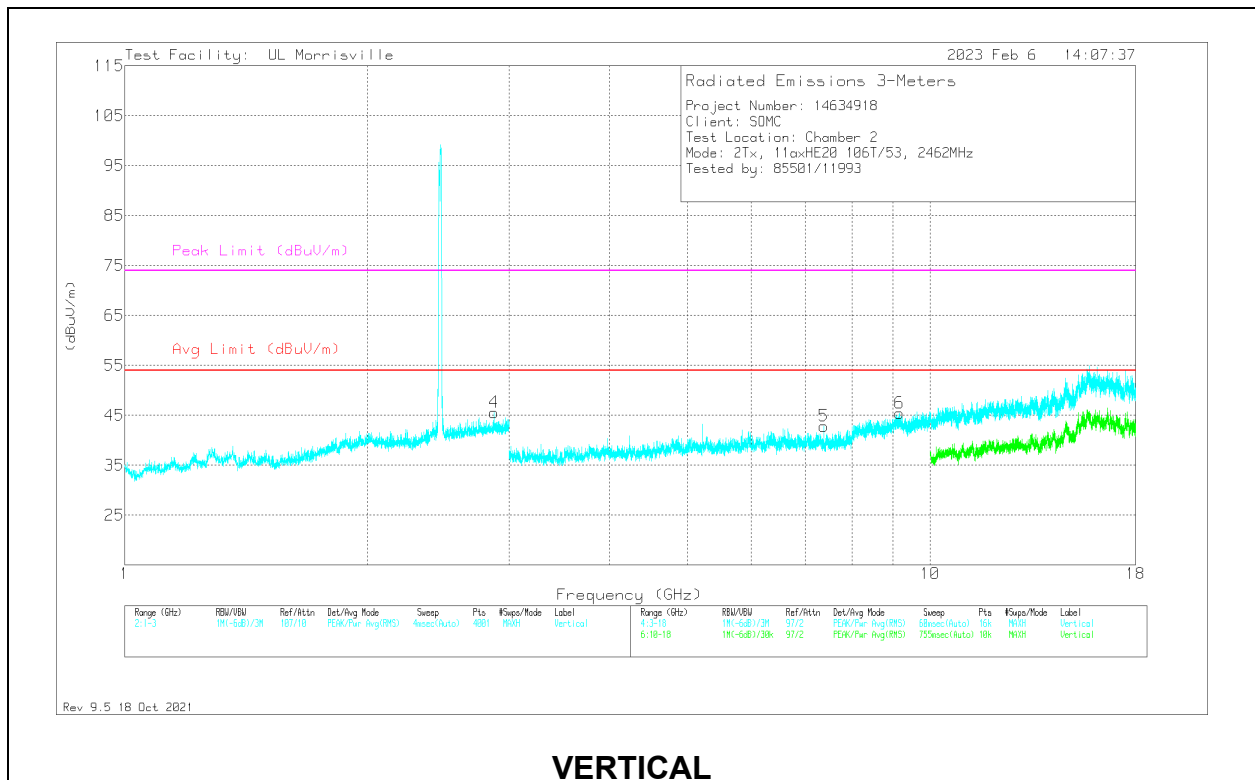
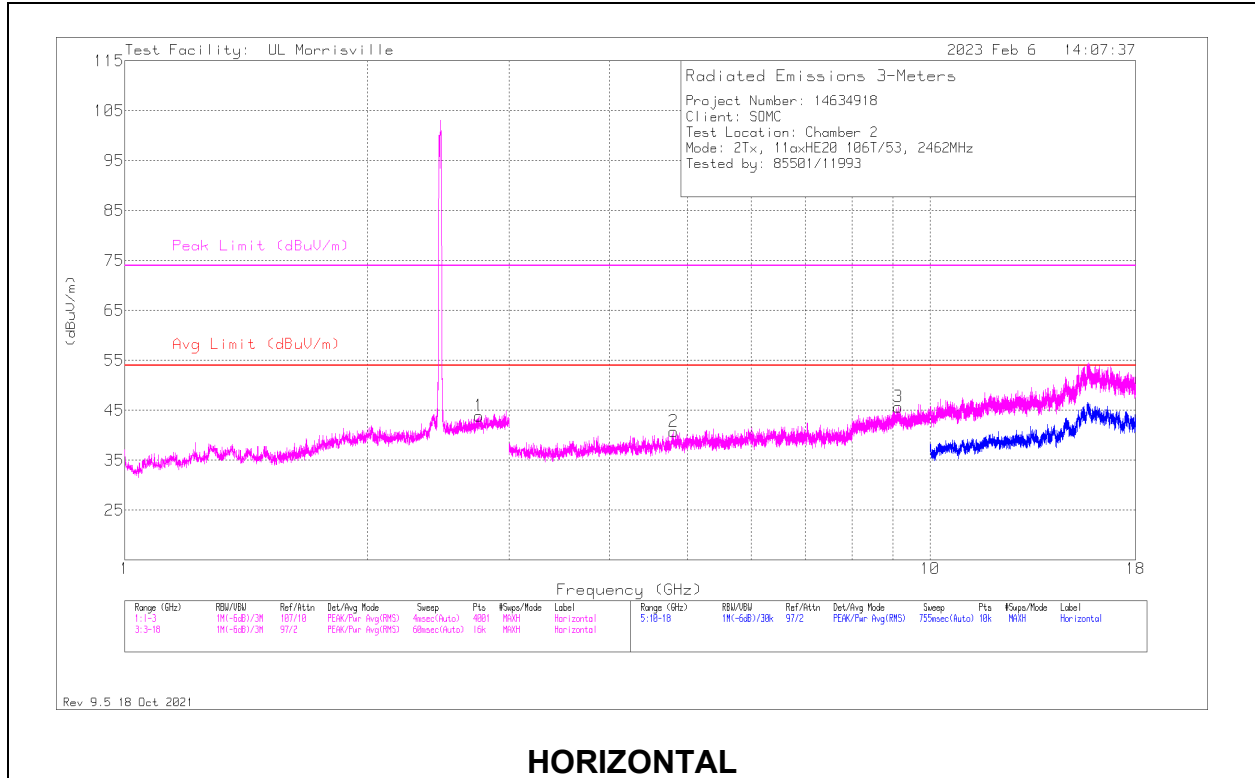


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.48354 | 35.89 | Pk | 32.5 | -24 | 0 | 44.39 | - | - | 74 | -29.61 | 95 | 239 | V |
| 2 | * ** 2.48472 | 36.06 | Pk | 32.5 | -24 | 0 | 44.56 | - | - | 74 | -29.44 | 95 | 239 | V |
| 3 | * ** 2.48354 | 22.71 | ADV | 32.5 | -24 | .53 | 31.74 | 54 | -22.26 | - | - | 95 | 239 | V |
| 4 | * ** 2.48446 | 23.03 | ADV | 32.5 | -24 | .53 | 32.06 | 54 | -21.94 | - | - | 95 | 239 | 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

HIGH CHANNEL 11 RESULTS



RADIATED EMISSIONS

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AT0072 (dB/m) | Gain/Loss (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|----------------------------|--------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.752 | 34.93 | Pk | 32.5 | -23.5 | 43.93 | 54 | -10.07 | 74 | -30.07 | 0-360 | 200 | H |
| 4 | * ** 2.8735 | 35.98 | Pk | 32.7 | -23.1 | 45.58 | 54 | -8.42 | 74 | -28.42 | 0-360 | 101 | V |
| 2 | * ** 4.80563 | 37.3 | Pk | 34.1 | -30.6 | 40.8 | 54 | -13.2 | 74 | -33.2 | 0-360 | 101 | H |
| 3 | * ** 9.13031 | 38.23 | Pk | 36.3 | -28.8 | 45.73 | 54 | -8.27 | 74 | -28.27 | 0-360 | 200 | H |
| 5 | * ** 7.38 | 36.92 | Pk | 35.6 | -29.7 | 42.82 | 54 | -11.18 | 74 | -31.18 | 0-360 | 101 | V |
| 6 | * ** 9.16781 | 37.59 | Pk | 36.3 | -28.4 | 45.49 | 54 | -8.51 | 74 | -28.51 | 0-360 | 101 | V |

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

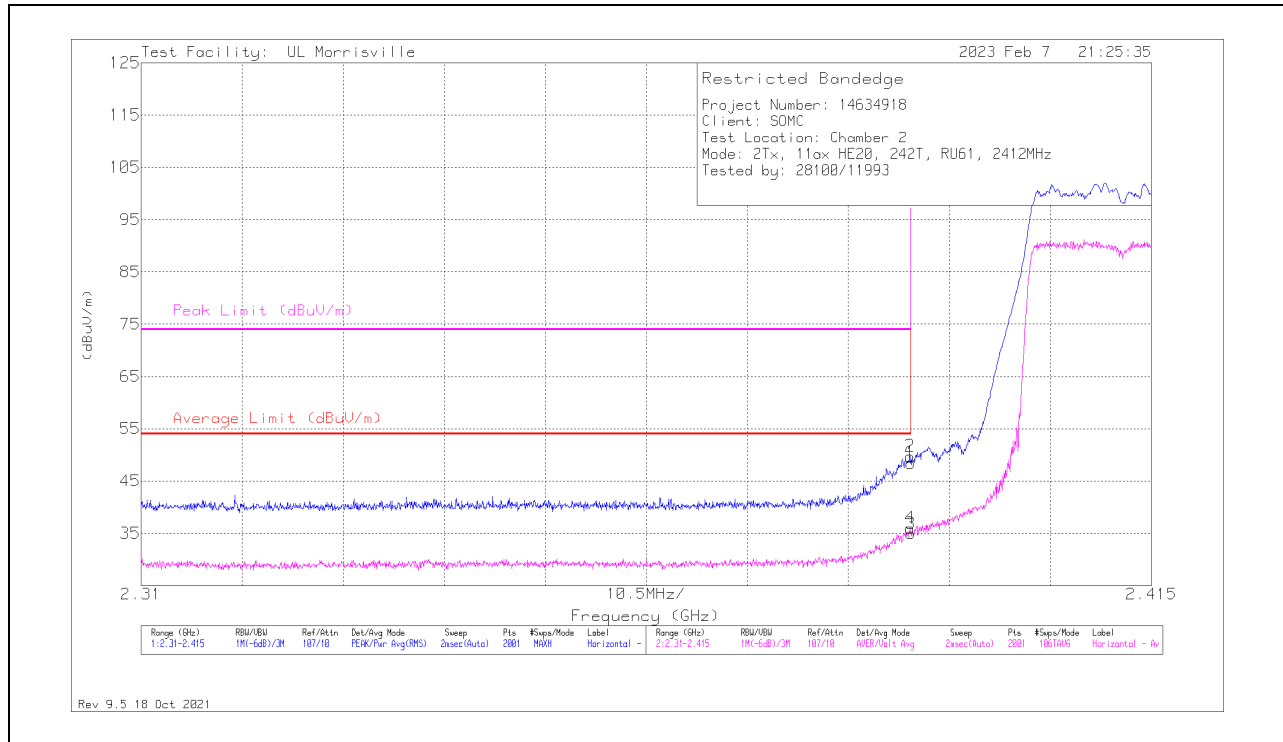
** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

2TX Chain 0 + Chain 1 OFDMA MODE: 242-Tones, RU Index 61

BANDEDGE (LOW CHANNEL 1)

HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (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 | * ** 2.38996 | 40.2 | Pk | 32 | -23.8 | 0 | 48.4 | - | - | 74 | -25.6 | 143 | 124 | H |
| 2 | * ** 2.38991 | 41.52 | Pk | 32 | -23.8 | 0 | 49.72 | - | - | 74 | -24.28 | 143 | 124 | H |
| 3 | * ** 2.38996 | 26.18 | ADV | 32 | -23.8 | .57 | 34.95 | 54 | -19.05 | - | - | 143 | 124 | H |
| 4 | * ** 2.38991 | 27.22 | ADV | 32 | -23.8 | .57 | 35.99 | 54 | -18.01 | - | - | 143 | 124 | H |

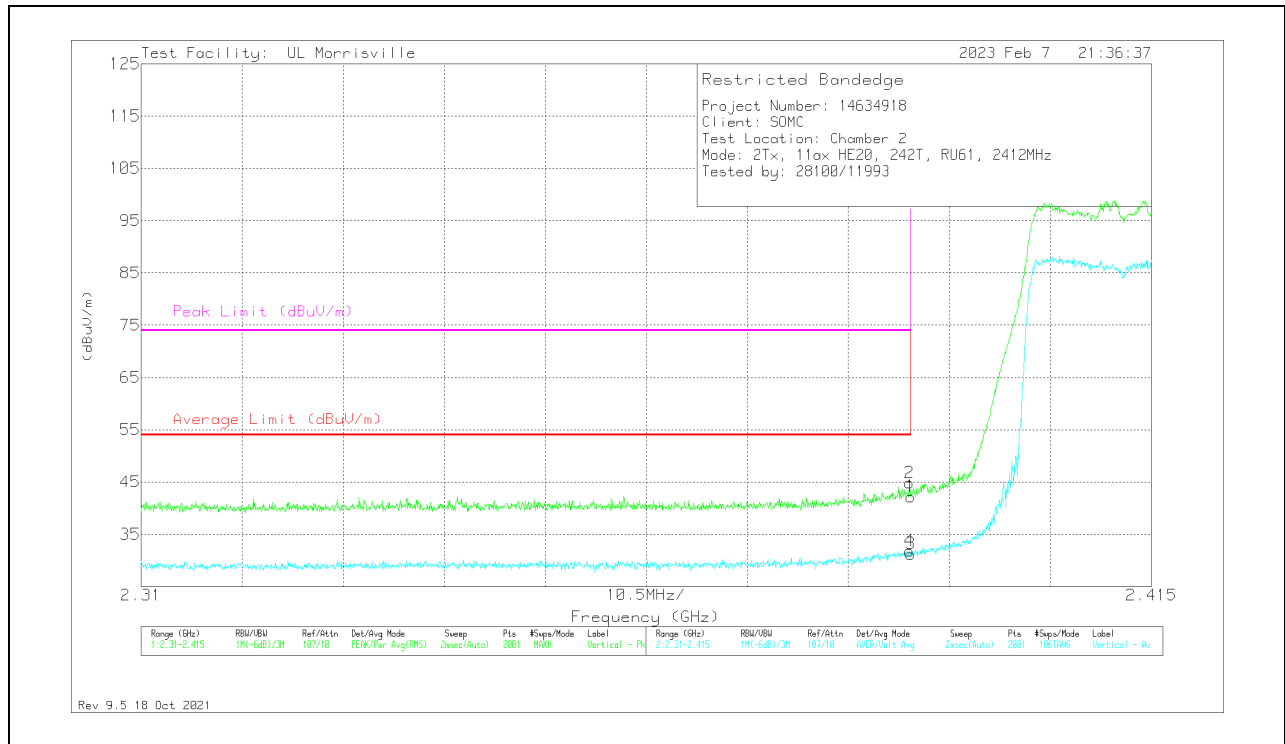
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

** - indicates frequency in Taiwan NCC LP0002 Restricted Band

Pk - Peak detector

ADV - Linear Voltage Average

VERTICAL RESULT

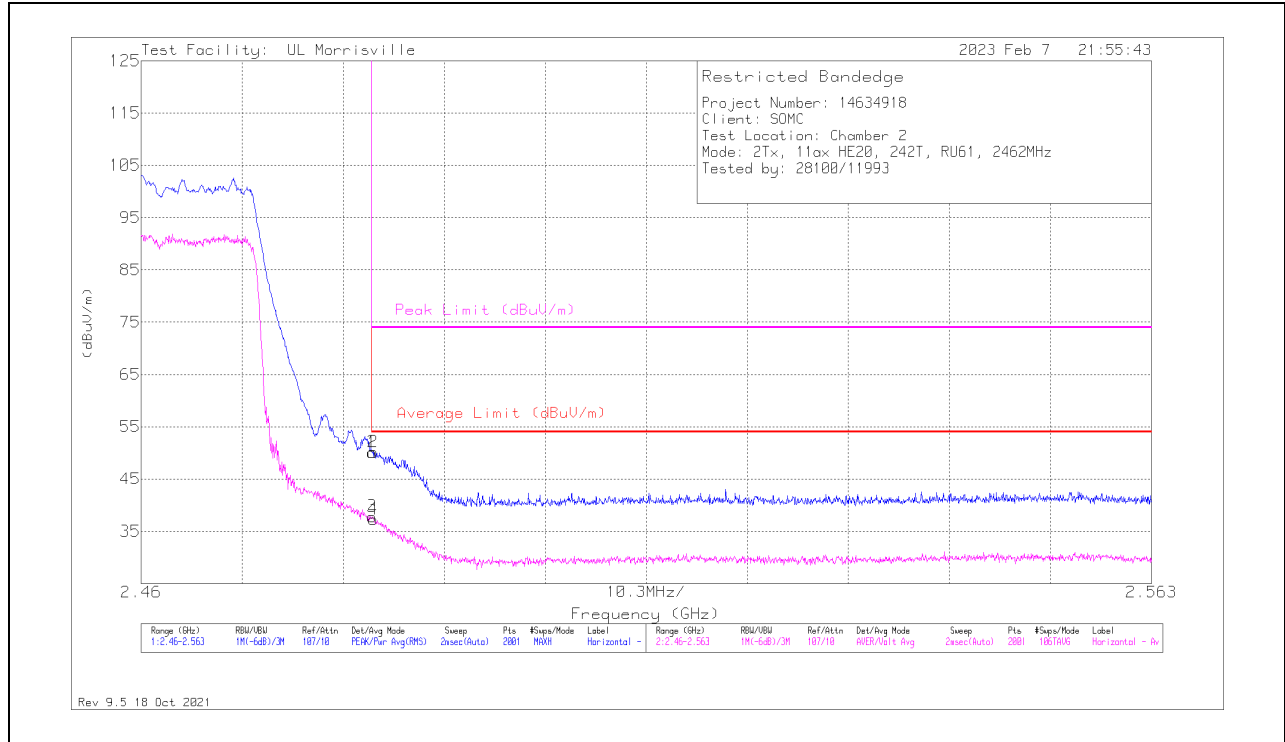


| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.38996 | 34 | Pk | 32 | -23.8 | 0 | 42.2 | - | - | 74 | -31.8 | 35 | 102 | V |
| 2 | * ** 2.38985 | 36.62 | Pk | 32 | -23.8 | 0 | 44.82 | - | - | 74 | -29.18 | 35 | 102 | V |
| 3 | * ** 2.38996 | 22.48 | ADV | 32 | -23.8 | .57 | 31.25 | 54 | -22.75 | - | - | 35 | 102 | V |
| 4 | * ** 2.38985 | 23.04 | ADV | 32 | -23.8 | .57 | 31.81 | 54 | -22.19 | - | - | 35 | 102 | 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 11)

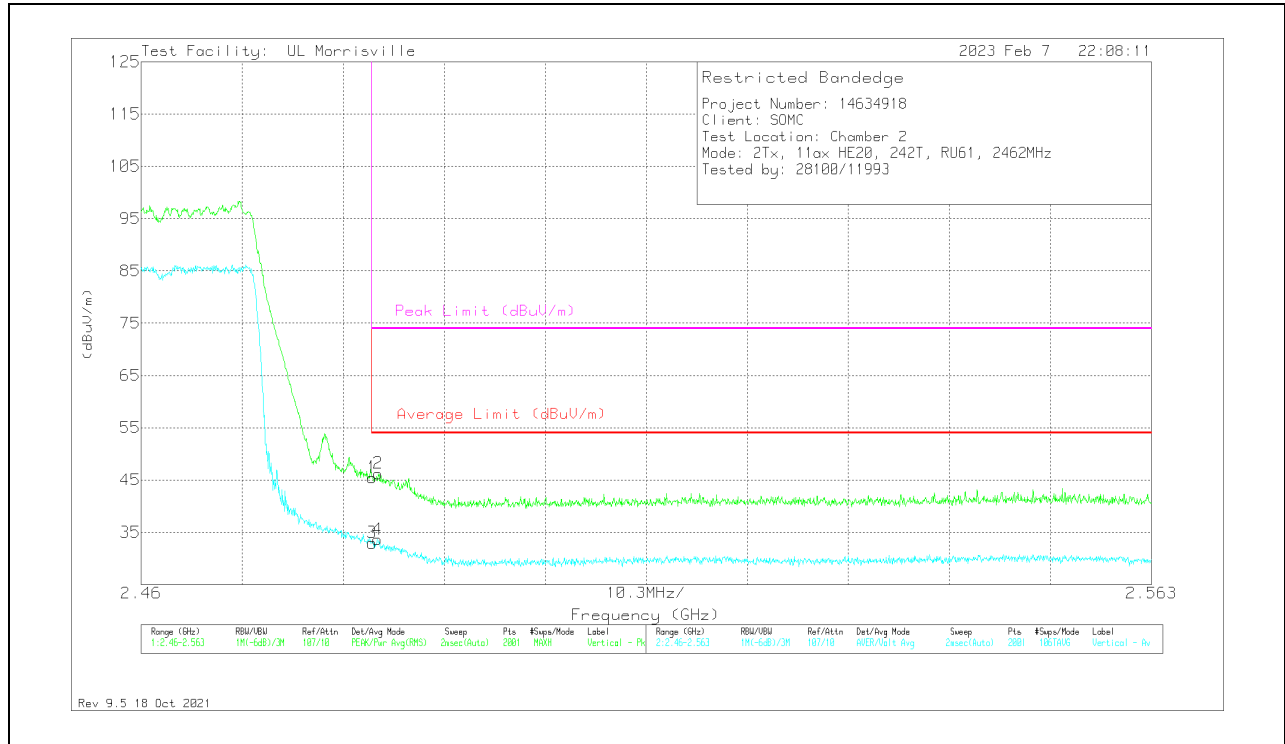
HORIZONTAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (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 | *** 2.48354 | 42.07 | Pk | 32.3 | -24.3 | 0 | 50.07 | - | - | 74 | -23.93 | 147 | 116 | H |
| 2 | *** 2.48364 | 42.15 | Pk | 32.3 | -24.3 | 0 | 50.15 | - | - | 74 | -23.85 | 147 | 116 | H |
| 3 | *** 2.48354 | 29.24 | ADV | 32.3 | -24.3 | .57 | 37.81 | 54 | -16.19 | - | - | 147 | 116 | H |
| 4 | *** 2.48369 | 28.76 | ADV | 32.3 | -24.3 | .57 | 37.33 | 54 | -16.67 | - | - | 147 | 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



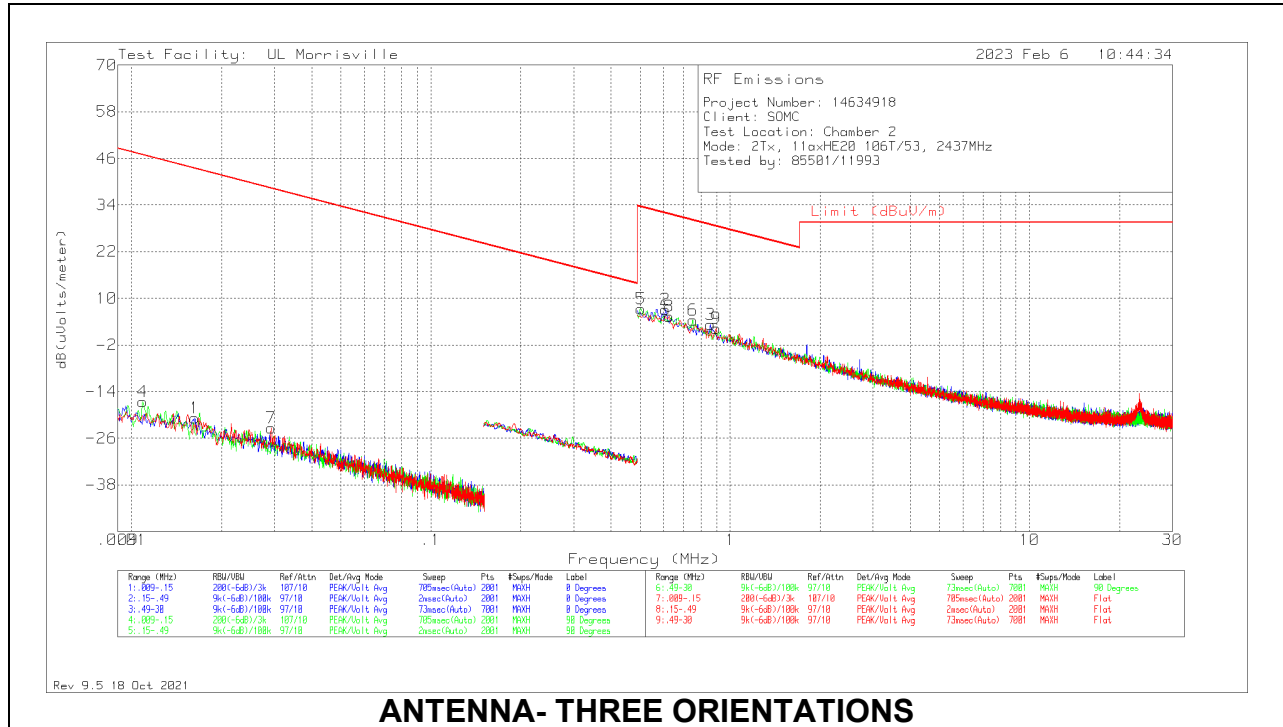
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 206211 (dB/m) | Gain/Loss (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * ** 2.48354 | 37.46 | Pk | 32.3 | -24.3 | 0 | 45.46 | - | - | 74 | -28.54 | 79 | 112 | V |
| 2 | * ** 2.48415 | 38.34 | Pk | 32.3 | -24.4 | 0 | 46.24 | - | - | 74 | -27.76 | 79 | 112 | V |
| 3 | * ** 2.48354 | 24.41 | ADV | 32.3 | -24.3 | .57 | 32.98 | 54 | -21.02 | - | - | 79 | 111 | V |
| 4 | * ** 2.4841 | 25.16 | ADV | 32.3 | -24.4 | .57 | 33.63 | 54 | -20.37 | - | - | 79 | 111 | 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

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, E-FIELD)



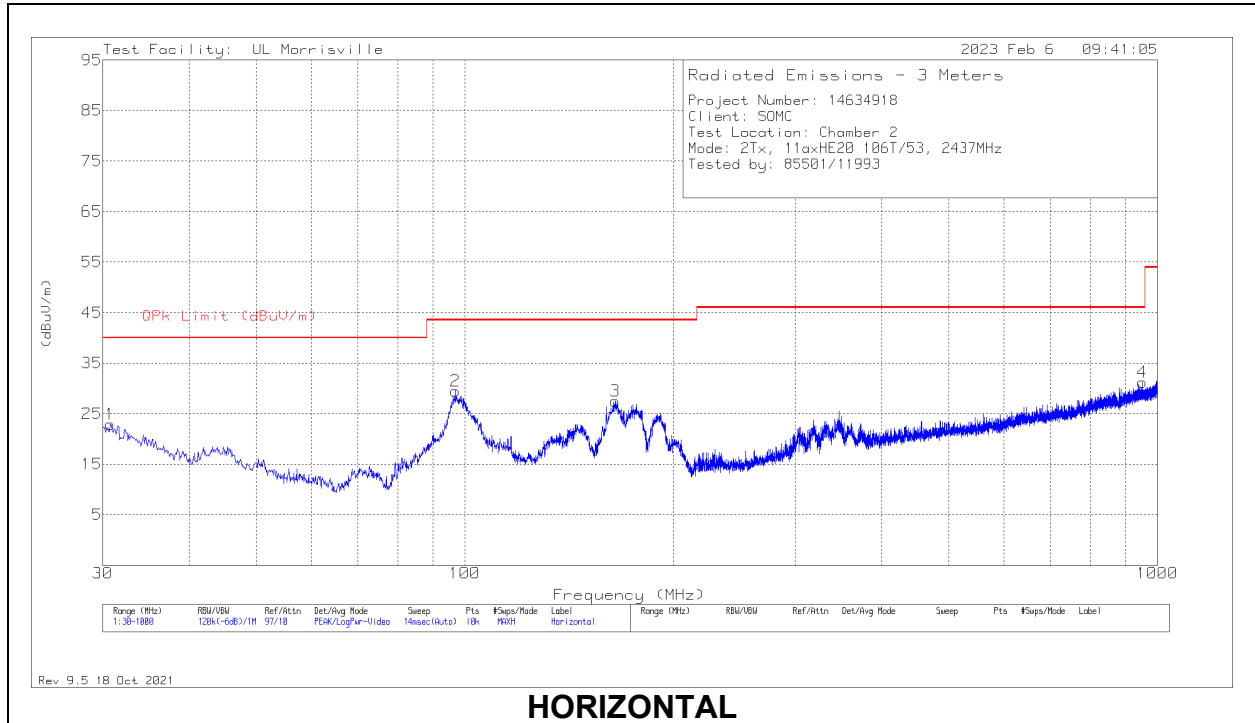
ANTENNA- THREE ORIENTATIONS

Below 30MHz Data

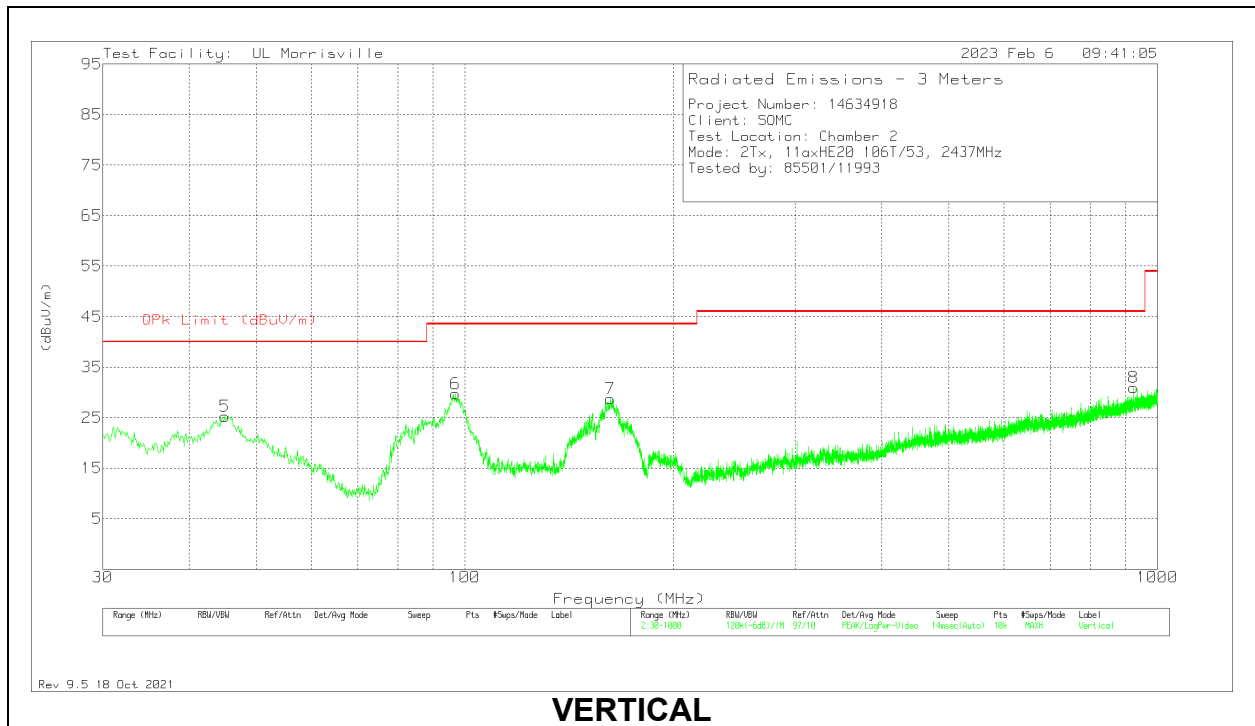
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | 135144 (dB/m) | Gain/Loss (dB) | Dist. Corr. Factor (dB) | Corrected Reading dB(uVolts/meter) | QP/AV Limit (dBuV/m) | PK Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Loop Angle |
|--------|-----------------|----------------------|-----|---------------|----------------|-------------------------|------------------------------------|----------------------|-------------------|-------------|----------------|------------|
| 4 | .01092 | 44.34 | Pk | 18.9 | .1 | -80 | -16.66 | 46.84 | 66.84 | -63.5 | 0-360 | 90 degs |
| 1 | .01624 | 42.48 | Pk | 16.6 | .1 | -80 | -20.82 | 43.39 | 63.39 | -64.21 | 0-360 | 0 degs |
| 7 | .02924 | 42.38 | Pk | 14.2 | .1 | -80 | -23.32 | 38.29 | 58.29 | -61.61 | 0-360 | Flat |
| 5 | .50265 | 34.92 | Pk | 12.2 | .2 | -40 | 7.32 | 33.58 | - | -26.26 | 0-360 | 90 degs |
| 2 | .60805 | 34.76 | Pk | 12.2 | .2 | -40 | 7.16 | 31.93 | - | -24.77 | 0-360 | 0 degs |
| 8 | .62491 | 32.89 | Pk | 12.2 | .2 | -40 | 5.29 | 31.69 | - | -26.4 | 0-360 | Flat |
| 6 | .75139 | 31.97 | Pk | 12.2 | .2 | -40 | 4.37 | 30.09 | - | -25.72 | 0-360 | 90 degs |
| 3 | .86101 | 30.91 | Pk | 12.2 | .2 | -40 | 3.31 | 28.9 | - | -25.59 | 0-360 | 0 degs |
| 9 | .89895 | 29.86 | Pk | 12.2 | .2 | -40 | 2.26 | 28.53 | - | -26.27 | 0-360 | Flat |

PK - Peak detector

10.3. WORST CASE BELOW 1 GHZ



HORIZONTAL



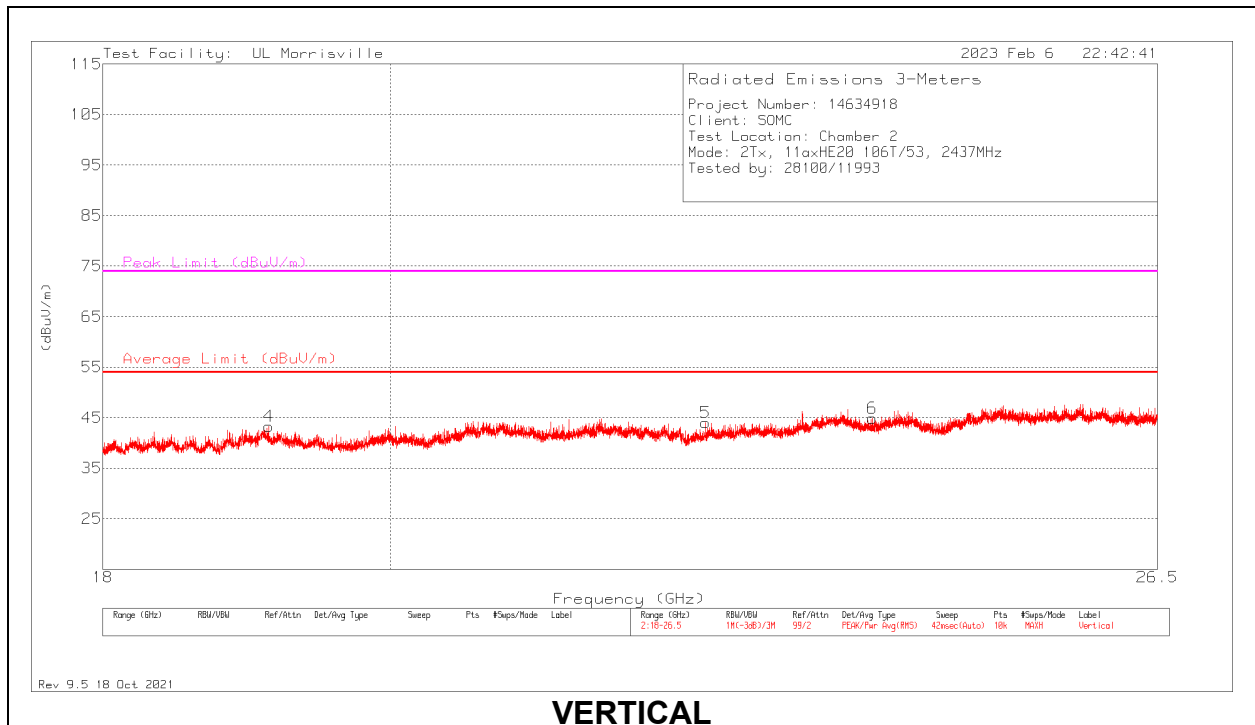
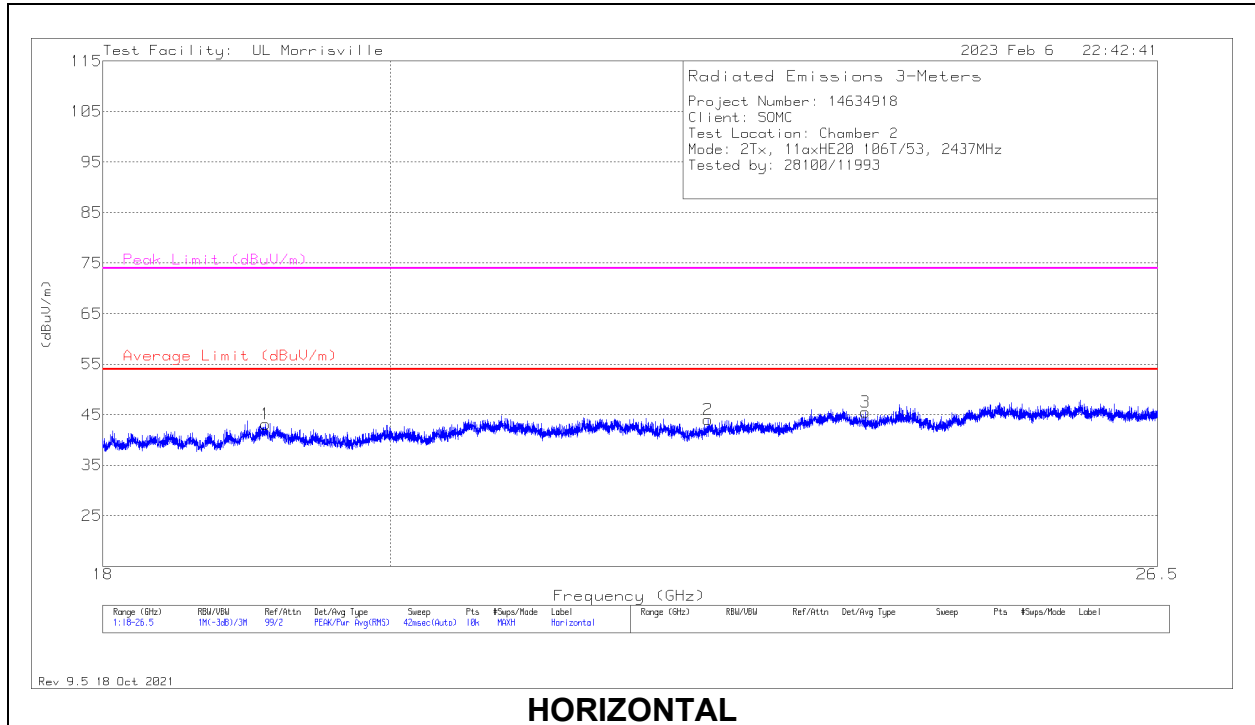
VERTICAL

Below 1GHz DATA

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AT0066 (dB/m) | Gain/Loss (dB) | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1 | 30.776 | 27.45 | Pk | 26.6 | -31.2 | 22.85 | 40 | -17.15 | 0-360 | 399 | H |
| 5 | 45.035 | 40.4 | Pk | 16.2 | -31.3 | 25.3 | 40 | -14.7 | 0-360 | 100 | V |
| 2 | 97.027 | 44.48 | Pk | 15.5 | -30.5 | 29.48 | 43.52 | -14.04 | 0-360 | 299 | H |
| 6 | 97.027 | 44.68 | Pk | 15.5 | -30.5 | 29.68 | 43.52 | -13.84 | 0-360 | 100 | V |
| 7 | 162.114 | 40.68 | Pk | 17.9 | -29.8 | 28.78 | 43.52 | -14.74 | 0-360 | 100 | V |
| 3 | 165.024 | 39.34 | Pk | 17.7 | -29.6 | 27.44 | 43.52 | -16.08 | 0-360 | 199 | H |
| 8 | 924.34 | 27.08 | Pk | 28.3 | -24.4 | 30.98 | 46.02 | -15.04 | 0-360 | 100 | V |
| 4 | 951.015 | 26.75 | Pk | 28.6 | -24.1 | 31.25 | 46.02 | -14.77 | 0-360 | 100 | H |

Pk - Peak detector

10.4. WORST CASE 18-26 GHZ



18 – 26GHz DATA

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 204704 (dB/m) | Gain/Loss (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------------|----------------------------|------------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1 | * ** 19.10574 | 47.59 | Pk | 33.8 | -38.3 | 43.09 | 54 | -10.91 | 74 | -30.91 | 0-360 | 250 | H |
| 2 | * ** 22.47565 | 47.67 | Pk | 34.4 | -38.1 | 43.97 | 54 | -10.03 | 74 | -30.03 | 0-360 | 250 | H |
| 3 | * ** 23.81087 | 48.01 | Pk | 35.1 | -37.6 | 45.51 | 54 | -8.49 | 74 | -28.49 | 0-360 | 250 | H |
| 4 | * ** 19.12784 | 47.72 | Pk | 33.8 | -38.2 | 43.32 | 54 | -10.68 | 74 | -30.68 | 0-360 | 150 | V |
| 5 | * ** 22.45185 | 47.79 | Pk | 34.4 | -38.2 | 43.99 | 54 | -10.01 | 74 | -30.01 | 0-360 | 150 | V |
| 6 | * ** 23.86696 | 47.32 | Pk | 35.1 | -37.5 | 44.92 | 54 | -9.08 | 74 | -29.08 | 0-360 | 150 | V |

* - 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)

| 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.

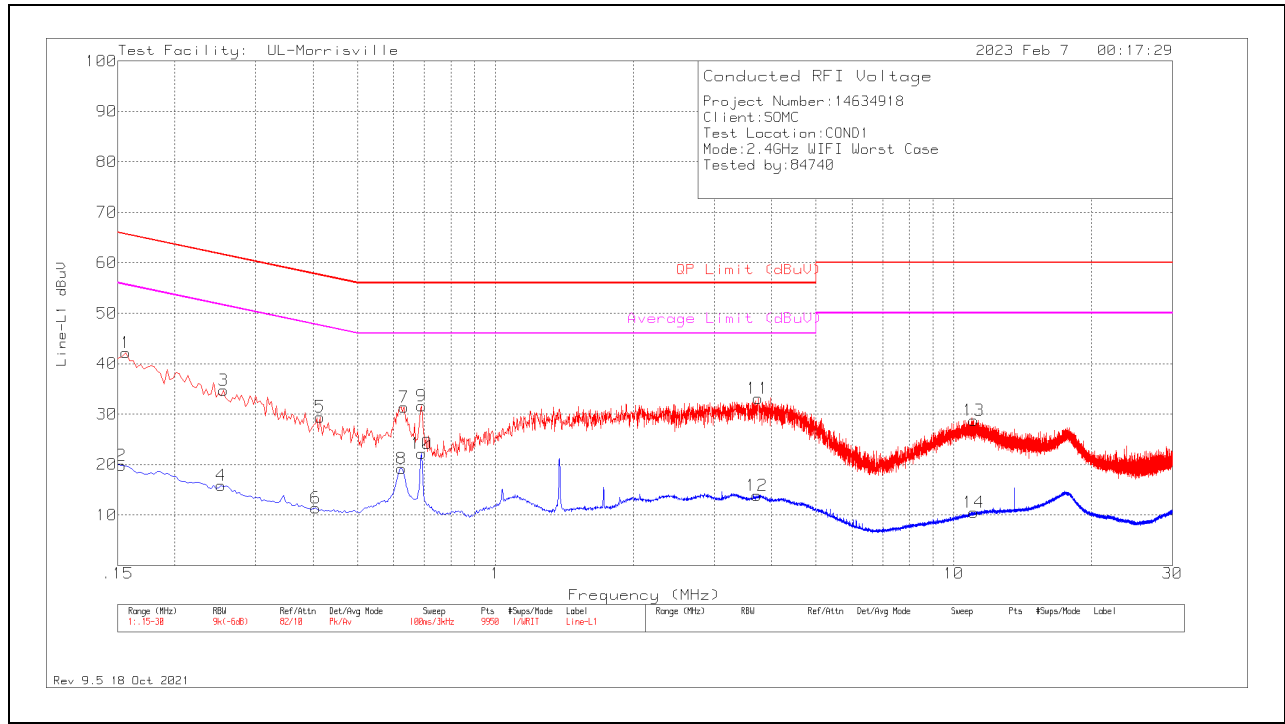
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

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

RESULTS

11.1.1. AC Power Line Norm

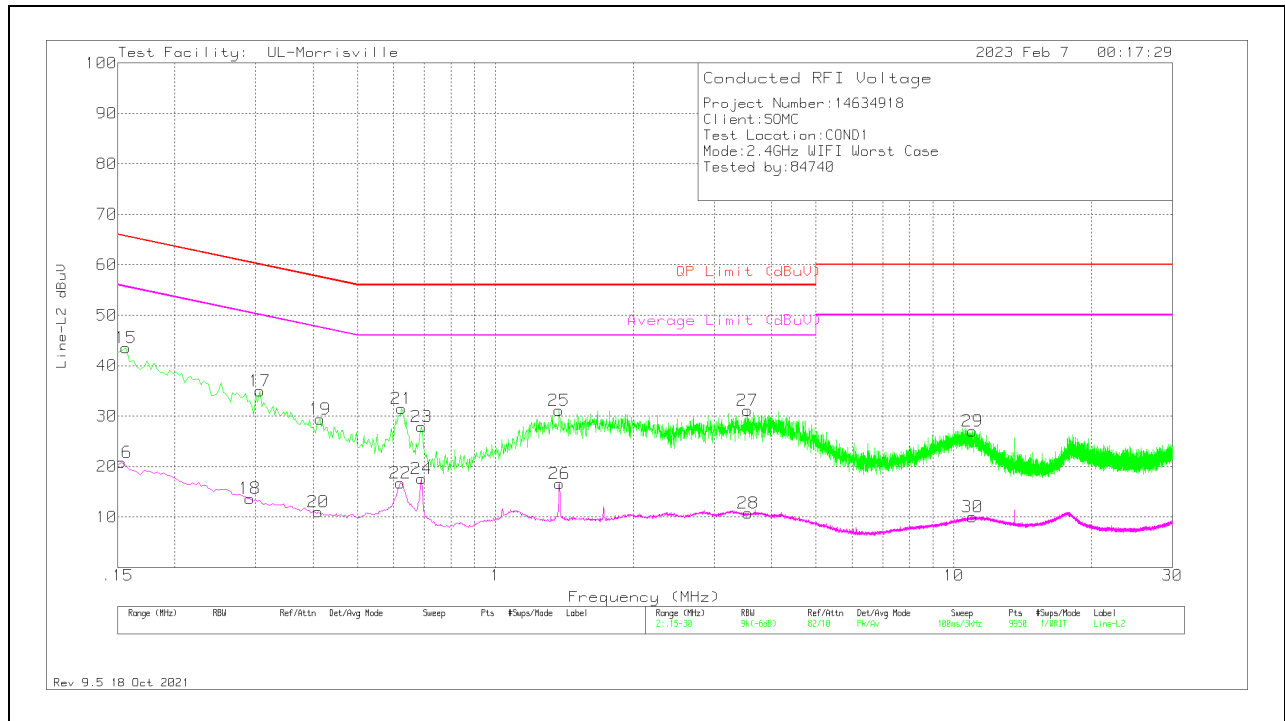
LINE 1 RESULTS



| 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 | .156 | 32.22 | Pk | .2 | 9.8 | 42.22 | 65.67 | -23.45 | - | - |
| 2 | .153 | 9.78 | Av | .2 | 9.8 | 19.78 | - | - | 55.84 | -36.06 |
| 3 | .255 | 24.85 | Pk | .1 | 9.8 | 34.75 | 61.59 | -26.84 | - | - |
| 4 | .252 | 5.9 | Av | .1 | 9.8 | 15.8 | - | - | 51.69 | -35.89 |
| 5 | .414 | 19.65 | Pk | 0 | 9.8 | 29.45 | 57.57 | -28.12 | - | - |
| 6 | .405 | 1.55 | Av | 0 | 9.8 | 11.35 | - | - | 47.75 | -36.4 |
| 7 | .633 | 21.55 | Pk | 0 | 9.8 | 31.35 | 56 | -24.65 | - | - |
| 8 | .624 | 9.43 | Av | 0 | 9.8 | 19.23 | - | - | 46 | -26.77 |
| 9 | .69 | 21.87 | Pk | 0 | 9.8 | 31.67 | 56 | -24.33 | - | - |
| 10 | .69 | 12.41 | Av | 0 | 9.8 | 22.21 | - | - | 46 | -23.79 |
| 11 | 3.738 | 23.26 | Pk | 0 | 9.9 | 33.16 | 56 | -22.84 | - | - |
| 12 | 3.72 | 3.92 | Av | 0 | 9.9 | 13.82 | - | - | 46 | -32.18 |
| 13 | 11.067 | 18.62 | Pk | .1 | 10 | 28.72 | 60 | -31.28 | - | - |
| 14 | 11.049 | .39 | Av | .1 | 10 | 10.49 | - | - | 50 | -39.51 |

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) |
| 15 | .156 | 33.52 | Pk | .2 | 9.8 | 43.52 | 65.67 | -22.15 | - | - |
| 16 | .153 | 10.78 | Av | .2 | 9.8 | 20.78 | - | - | 55.84 | -35.06 |
| 17 | .306 | 25.03 | Pk | .1 | 9.8 | 34.93 | 60.08 | -25.15 | - | - |
| 18 | .291 | 3.78 | Av | .1 | 9.8 | 13.68 | - | - | 50.5 | -36.82 |
| 19 | .414 | 19.61 | Pk | 0 | 9.8 | 29.41 | 57.57 | -28.16 | - | - |
| 20 | .411 | 1.27 | Av | 0 | 9.8 | 11.07 | - | - | 47.63 | -36.56 |
| 21 | .624 | 21.72 | Pk | 0 | 9.8 | 31.52 | 56 | -24.48 | - | - |
| 22 | .621 | 6.96 | Av | 0 | 9.8 | 16.76 | - | - | 46 | -29.24 |
| 23 | .69 | 18.07 | Pk | 0 | 9.8 | 27.87 | 56 | -28.13 | - | - |
| 24 | .69 | 7.78 | Av | 0 | 9.8 | 17.58 | - | - | 46 | -28.42 |
| 25 | 1.377 | 21.32 | Pk | 0 | 9.8 | 31.12 | 56 | -24.88 | - | - |
| 26 | 1.38 | 6.8 | Av | 0 | 9.8 | 16.6 | - | - | 46 | -29.4 |
| 27 | 3.549 | 21.24 | Pk | 0 | 9.9 | 31.14 | 56 | -24.86 | - | - |
| 28 | 3.558 | .82 | Av | 0 | 9.9 | 10.72 | - | - | 46 | -35.28 |
| 29 | 10.974 | 16.98 | Pk | .1 | 10 | 27.08 | 60 | -32.92 | - | - |
| 30 | 10.974 | -.11 | Av | .1 | 10 | 9.99 | - | - | 50 | -40.01 |

Pk - Peak detector
 Av - Average detection

12. SETUP PHOTOS

Please refer to R14634918-EP2 for setup photos

END OF TEST REPORT