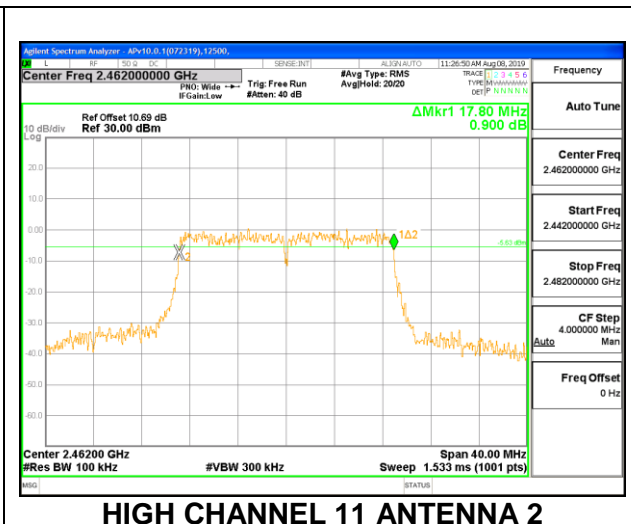
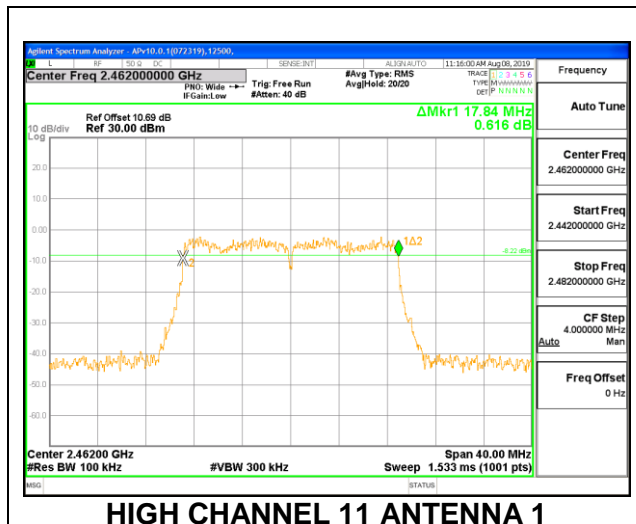


HIGH CHANNEL 11



8.4. 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 transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.5 dB (including 10 dB pad and 0.5 dB cable) was entered as an offset in the power meter to allow for a gated peak reading of power.

DIRECTIONAL ANTENNA GAIN

For 1 TX:

There is only one transmitter output therefore the directional gain is equal to the antenna gain.

For 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) | Antenna 1 Antenna Gain (dBi) | Antenna 2 Antenna Gain (dBi) | Uncorrelated Chains Directional Gain (dBi) | Correlated Chains Directional Gain (dBi) |
|-----------------------|---|---|---|---|
| 2.4 | 4.50 | 4.50 | 4.50 | 7.51 |

RESULTS

8.4.1. 802.11b MODE

1TX Antenna 1 MODE

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|---------------------------------|--------------------------------|-----------------------|
| Low 1 | 2412 | 4.50 | 30.00 | 30 | 36 | 30.00 |
| Mid 6 | 2437 | 4.50 | 30.00 | 30 | 36 | 30.00 |
| High 11 | 2462 | 4.50 | 30.00 | 30 | 36 | 30.00 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power |
|---------------------------|------|---|

Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|----------------|
| Low 1 | 2412 | 4.92 | 4.92 | 30.00 | -25.08 |
| Mid 6 | 2437 | 4.74 | 4.74 | 30.00 | -25.26 |
| High 11 | 2462 | 4.45 | 4.45 | 30.00 | -25.55 |

1TX Antenna 2 MODE

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|---------------------------------|--------------------------------|-----------------------|
| Low 1 | 2412 | 4.50 | 30.00 | 30 | 36 | 30.00 |
| Mid 6 | 2437 | 4.50 | 30.00 | 30 | 36 | 30.00 |
| High 11 | 2462 | 4.50 | 30.00 | 30 | 36 | 30.00 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd Power |
|---------------------------|------|---|

Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|----------------|
| Low 1 | 2412 | 8.93 | 8.93 | 30.00 | -21.07 |
| Mid 6 | 2437 | 8.65 | 8.65 | 30.00 | -21.35 |
| High 11 | 2462 | 8.49 | 8.49 | 30.00 | -21.51 |

8.4.2. 802.11n HT20 MODE

1TX Antenna 1 MODE

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|---------------------------------|--------------------------------|-----------------------|
| Low 1 | 2412 | 4.50 | 30.00 | 30 | 36 | 30.00 |
| Mid 6 | 2437 | 4.50 | 30.00 | 30 | 36 | 30.00 |
| High 11 | 2462 | 4.50 | 30.00 | 30 | 36 | 30.00 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd Power |
|---------------------------|------|---|

Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|----------------|
| Low 1 | 2412 | 16.32 | 16.32 | 30.00 | -13.68 |
| Mid 6 | 2437 | 16.45 | 16.45 | 30.00 | -13.55 |
| High 11 | 2462 | 16.22 | 16.22 | 30.00 | -13.78 |

1TX Antenna 2 MODE

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|--------------------------------|---------------------------------|--------------------------------|-----------------------|
| Low 1 | 2412 | 4.50 | 30.00 | 30 | 36 | 30.00 |
| Mid 6 | 2437 | 4.50 | 30.00 | 30 | 36 | 30.00 |
| High 11 | 2462 | 4.50 | 30.00 | 30 | 36 | 30.00 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd Power |
|---------------------------|------|---|

Results

| Channel | Frequency (MHz) | Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margin (dB) |
|---------|--------------------|------------------------|-----------------------------------|-------------------------|----------------|
| Low 1 | 2412 | 19.98 | 19.98 | 30.00 | -10.02 |
| Mid 6 | 2437 | 20.20 | 20.20 | 30.00 | -9.80 |
| High 11 | 2462 | 19.99 | 19.99 | 30.00 | -10.01 |

2TX Antenna 1 + Antenna 2 CDD MODE

Limits

| Channel | Frequency (MHz) | Directional Gain (dBi) | FCC/ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Max Power (dBm) |
|---------|--------------------|------------------------------|-------------------------------------|--------------------------------|-----------------------|
| Low 1 | 2412 | 7.51 | 29.00 | 36 | 28.49 |
| Mid 6 | 2437 | 7.51 | 29.00 | 36 | 28.49 |
| High 11 | 2462 | 7.51 | 29.00 | 36 | 28.49 |

| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.19 | Included in Calculations of Corr'd Power |
|---------------------------|------|---|

Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 2 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Margi (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|---------------|
| Low 1 | 2412 | 16.43 | 20.92 | 22.24 | 28.49 | -6.25 |
| Mid 6 | 2437 | 16.78 | 20.40 | 21.97 | 28.49 | -6.52 |
| High 11 | 2462 | 16.63 | 19.98 | 21.63 | 28.49 | -6.86 |

8.5. AVERAGE POWER

LIMITS

None; for reporting purposes only

TEST PROCEDURE

The transmitter output is connected to a power meter.

The cable assembly insertion loss of 10.5 dB (including 10 dB pad and 0.5 dB cable) was entered as an offset in the power meter to allow for a gated average reading of power

RESULTS

8.5.1. 802.11b MODE

1TX Antenna 1 MODE

| Channel | Frequency (MHz) | Power (dBm) |
|---------|--------------------|----------------|
| Low 1 | 2412 | 3.03 |
| Mid 6 | 2437 | 2.63 |
| High 11 | 2462 | 2.20 |

1TX Antenna 2 MODE

| Channel | Frequency (MHz) | Power (dBm) |
|---------|--------------------|----------------|
| Low 1 | 2412 | 7.10 |
| Mid 6 | 2437 | 6.82 |
| High 11 | 2462 | 6.55 |

8.5.2. 802.11n HT20 MODE

1TX Antenna 1 MODE

| Channel | Frequency (MHz) | Power (dBm) |
|---------|--------------------|----------------|
| Low 1 | 2412 | 8.78 |
| Mid 6 | 2437 | 8.32 |
| High 11 | 2462 | 7.90 |

1TX Antenna 2 MODE

| Channel | Frequency (MHz) | Power (dBm) |
|---------|--------------------|----------------|
| Low 1 | 2412 | 12.06 |
| Mid 6 | 2437 | 11.87 |
| High 11 | 2462 | 11.64 |

2TX Antenna 1 + Antenna 2 CDD MODE

| Channel | Frequency (MHz) | Antenna 1 Power (dBm) | Antenna 2 Power (dBm) | Total Power (dBm) |
|----------------|----------------------------|--------------------------------------|--------------------------------------|----------------------------------|
| Low 1 | 2412 | 8.75 | 12.01 | 13.69 |
| Mid 6 | 2437 | 8.33 | 11.75 | 13.38 |
| High 11 | 2462 | 7.89 | 11.79 | 13.27 |

8.6. POWER SPECTRAL DENSITY

LIMITS

FCC §15.247 (e)

The power spectral density conducted from the transmitter to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

RESULTS

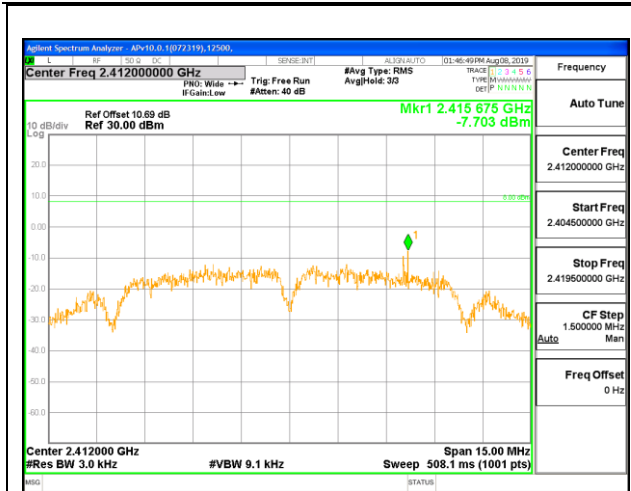
8.6.1. 802.11b MODE

1TX Antenna 1 MODE

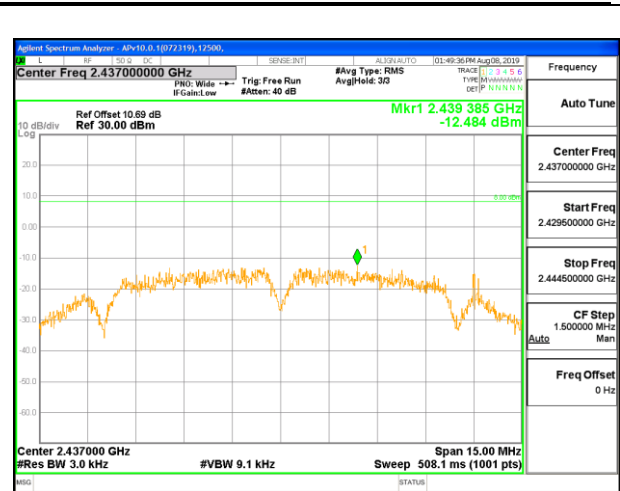
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

PSD Results

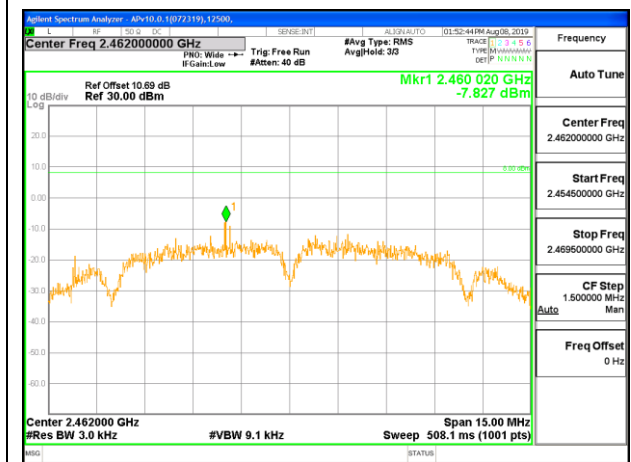
| Channel | Frequency (MHz) | Meas (dBm/ 3kHz) | Total Corr'd PSD (dBm/ 3kHz) | Limit (dBm/ 3kHz) | Margin (dB) |
|----------------|----------------------------|---------------------------------|---|----------------------------------|------------------------|
| Low 1 | 2412 | -7.70 | -7.70 | 8.0 | -15.7 |
| Mid 6 | 2437 | -12.48 | -12.48 | 8.0 | -20.5 |
| High 11 | 2462 | -7.83 | -7.83 | 8.0 | -15.8 |



LOW CHANNEL 1



MID CHANNEL 6



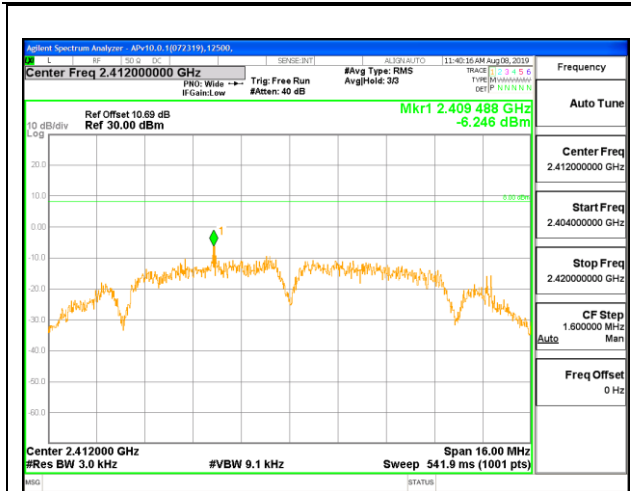
HIGH CHANNEL 11

1TX Antenna 2 MODE

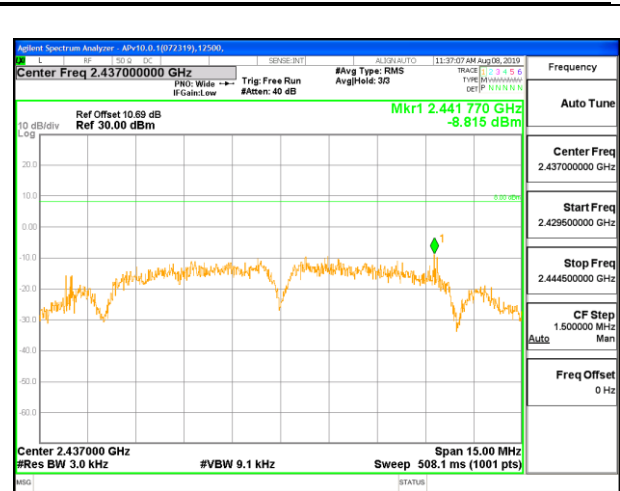
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.00 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

PSD Results

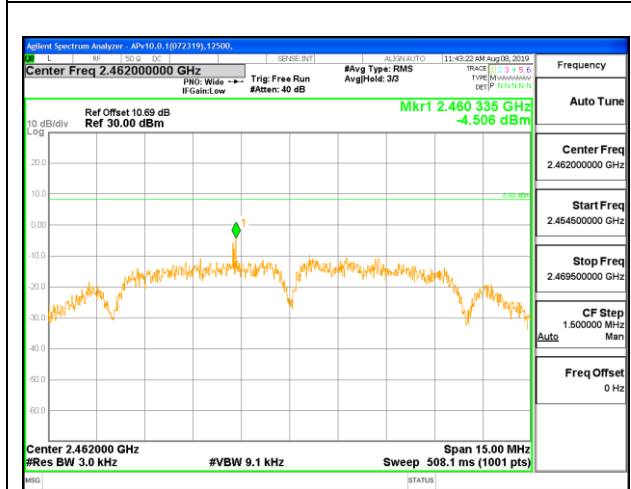
| Channel | Frequency (MHz) | Meas (dBm/ 3kHz) | Total Corr'd PSD (dBm/ 3kHz) | Limit (dBm/ 3kHz) | Margin (dB) |
|----------------|----------------------------|---------------------------------|---|----------------------------------|------------------------|
| Low 1 | 2412 | -6.25 | -6.25 | 8.0 | -14.3 |
| Mid 6 | 2437 | -8.81 | -8.81 | 8.0 | -16.8 |
| High 11 | 2462 | -4.51 | -4.51 | 8.0 | -12.5 |



LOW CHANNEL 1



MID CHANNEL 6



HIGH CHANNEL 11

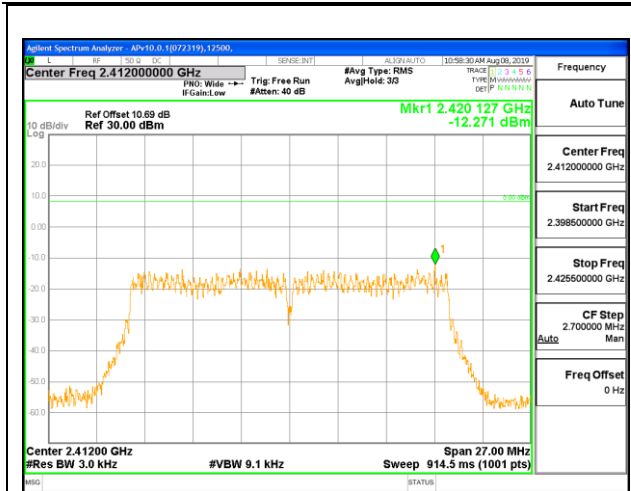
8.6.2. 802.11n HT20 MODE

1TX Antenna 1 MODE

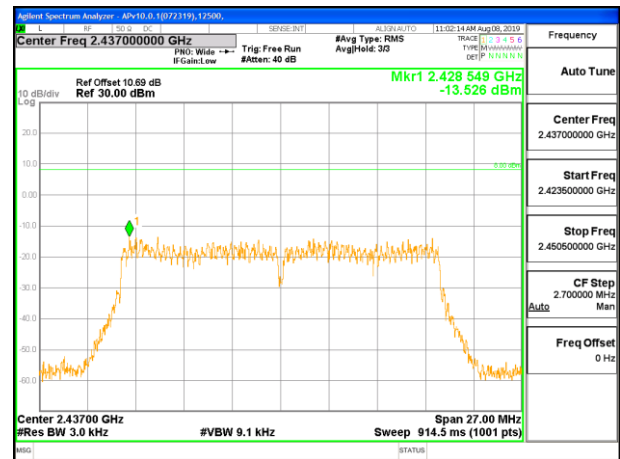
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

PSD Results

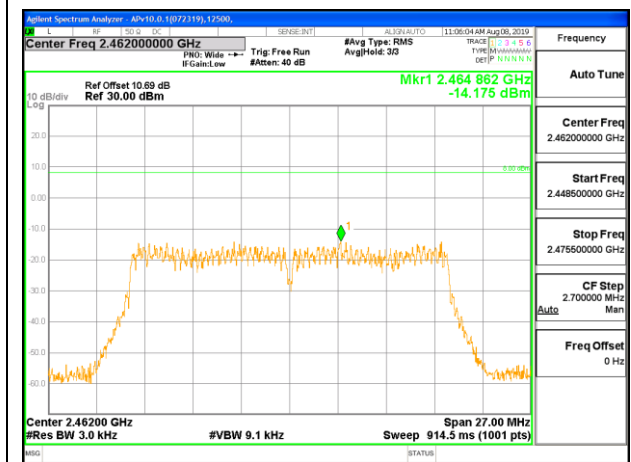
| Channel | Frequency (MHz) | Meas (dBm/ 3kHz) | Total Corr'd PSD (dBm/ 3kHz) | Limit (dBm/ 3kHz) | Margin (dB) |
|----------------|----------------------------|---------------------------------|---|----------------------------------|------------------------|
| Low 1 | 2412 | -12.27 | -12.18 | 8.0 | -20.2 |
| Mid 6 | 2437 | -13.53 | -13.44 | 8.0 | -21.4 |
| High 11 | 2462 | -14.18 | -14.09 | 8.0 | -22.1 |



LOW CHANNEL 1



MID CHANNEL 6



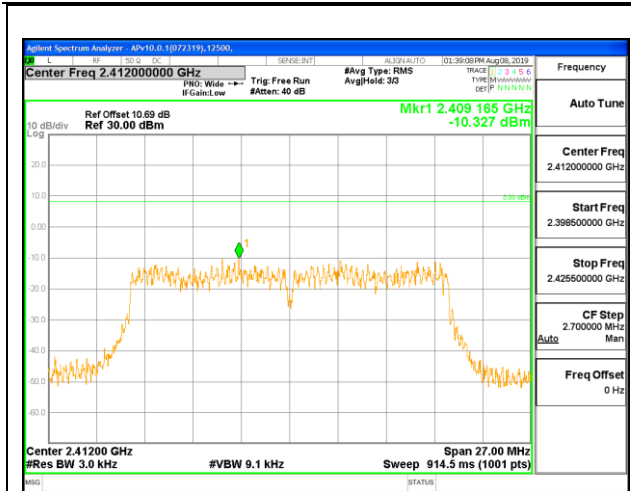
HIGH CHANNEL 11

1TX Antenna 2 MODE

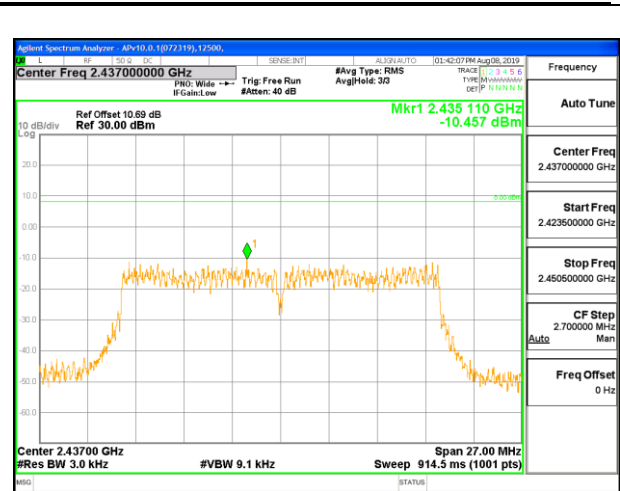
| | | |
|---------------------------|------|---|
| Duty Cycle CF (dB) | 0.09 | Included in Calculations of Corr'd PSD |
|---------------------------|------|---|

PSD Results

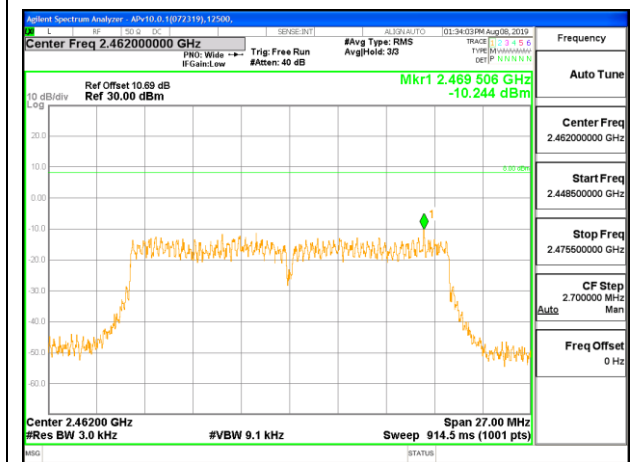
| Channel | Frequency (MHz) | Meas (dBm/ 3kHz) | Total Corr'd PSD (dBm/ 3kHz) | Limit (dBm/ 3kHz) | Margin (dB) |
|----------------|----------------------------|---------------------------------|---|----------------------------------|------------------------|
| Low 1 | 2412 | -10.33 | -10.24 | 8.0 | -18.2 |
| Mid 6 | 2437 | -10.46 | -10.37 | 8.0 | -18.4 |
| High 11 | 2462 | -10.24 | -10.15 | 8.0 | -18.2 |



LOW CHANNEL 1



MID CHANNEL 6

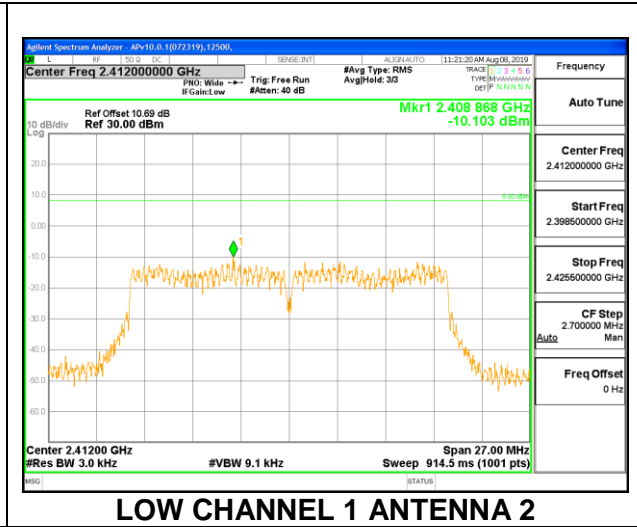
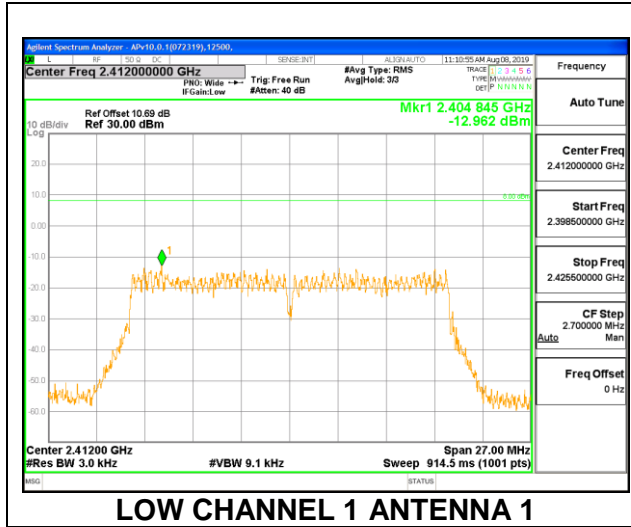


HIGH CHANNEL 11

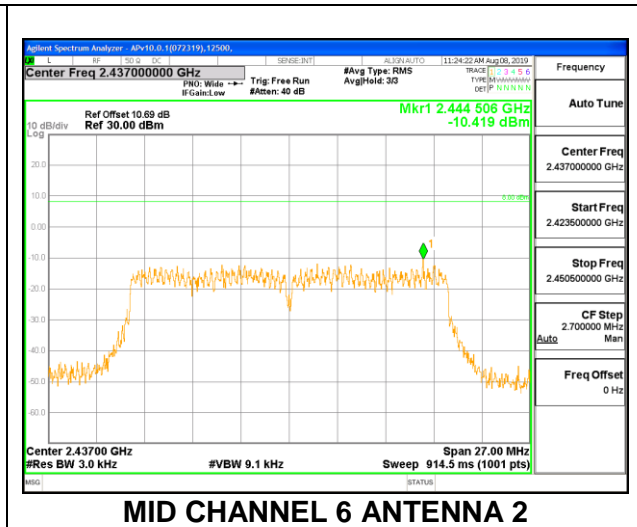
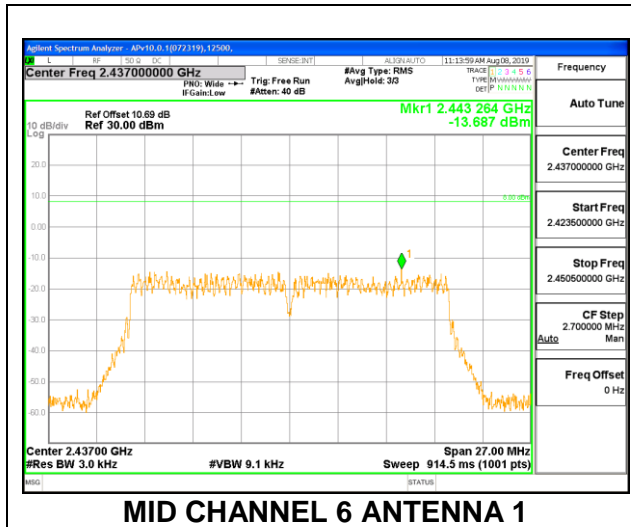
2TX Antenna 1 + Antenna 2 CDD MODE

| Channel | Frequency (MHz) | Antenna 1 Meas (dBm/ 3kHz) | Antenna 2 Meas (dBm/ 3kHz) | Total Corr'd PSD (dBm/ 3kHz) | Limit (dBm/ 3kHz) | Margin (dB) |
|----------------|----------------------------|---|---|---|----------------------------------|------------------------|
| Low 1 | 2412 | -12.96 | -10.10 | -8.29 | 8.0 | -16.3 |
| Mid 6 | 2437 | -13.69 | -10.42 | -8.74 | 8.0 | -16.7 |
| High 11 | 2462 | -13.46 | -12.37 | -9.87 | 8.0 | -17.9 |

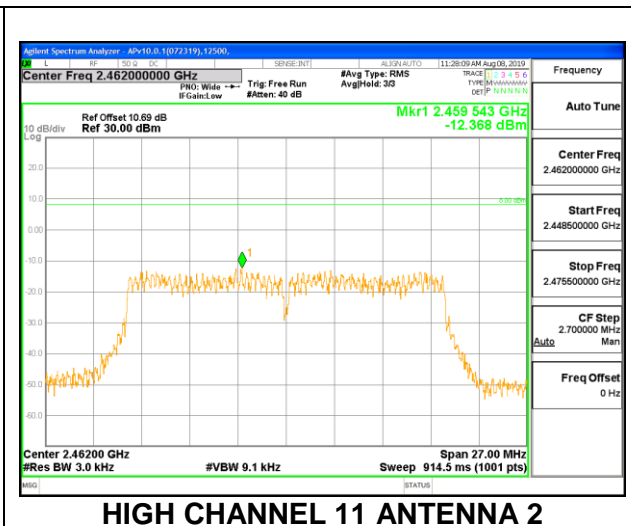
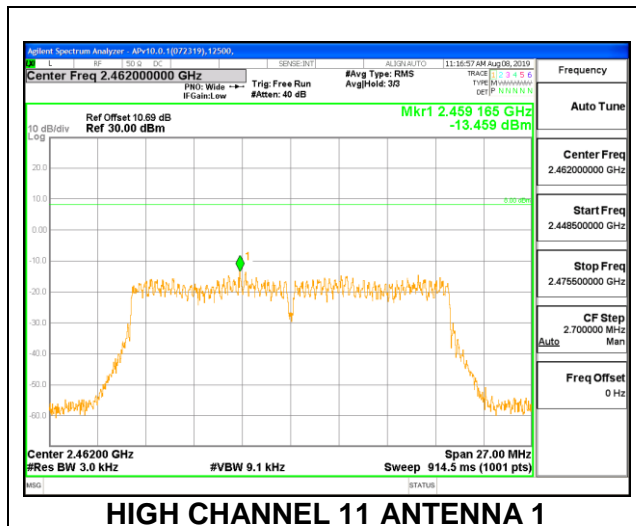
LOW CHANNEL 1



MID CHANNEL 6



HIGH CHANNEL 11



8.7. CONDUCTED SPURIOUS EMISSIONS

LIMITS

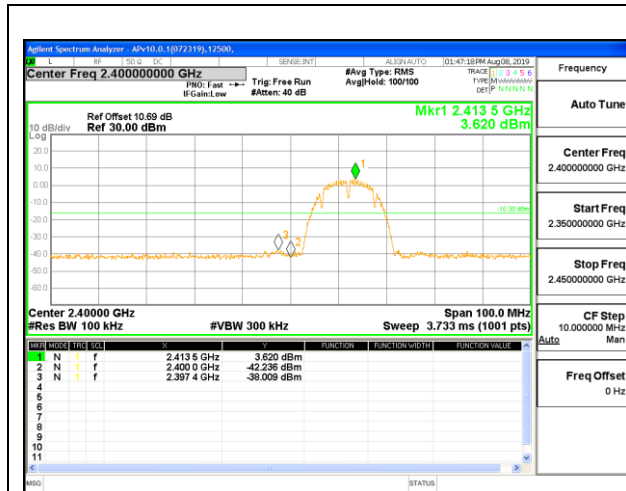
FCC §15.247 (d)

Output power was measured based on the use of peak measurement, therefore the required attenuation is 20 dB.

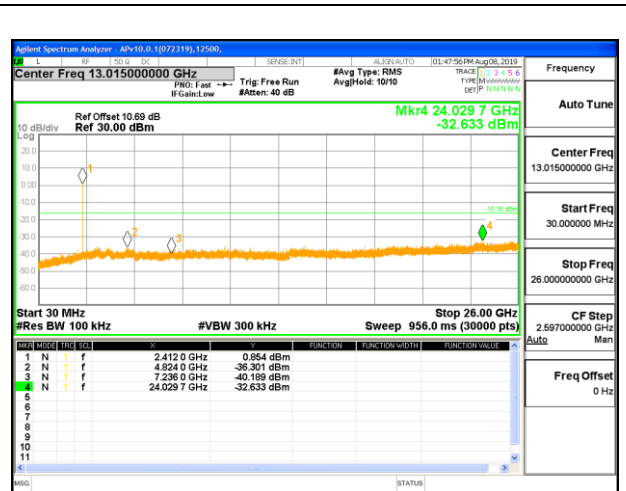
RESULTS

8.7.1. 802.11b MODE

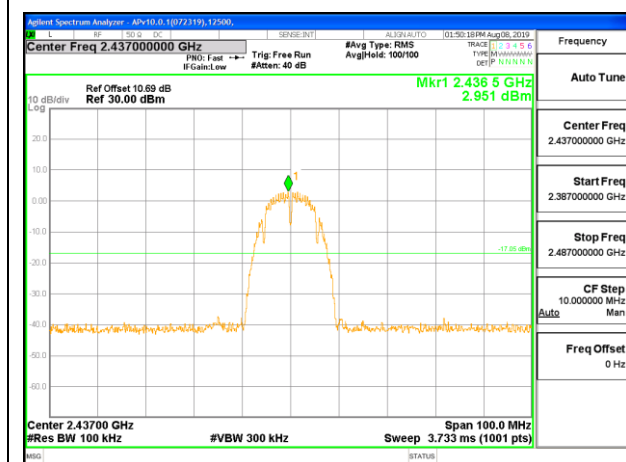
1TX Antenna 1 MODE



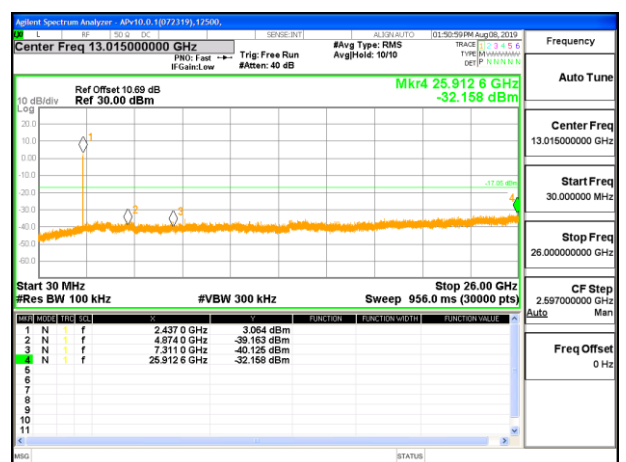
LOW CHANNEL 1 BANDEDGE



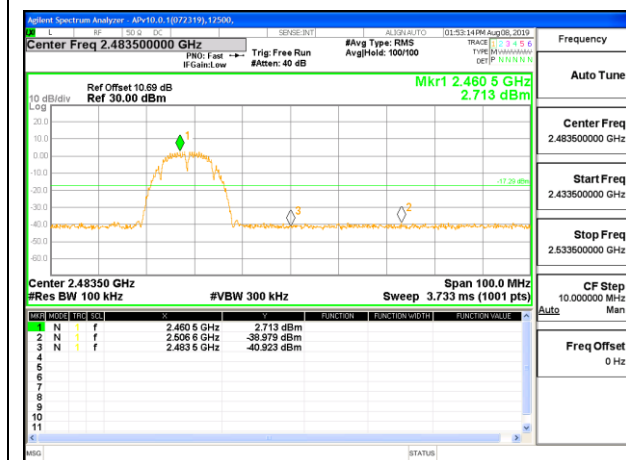
OUT-OF-BAND LOW CHANNEL 1



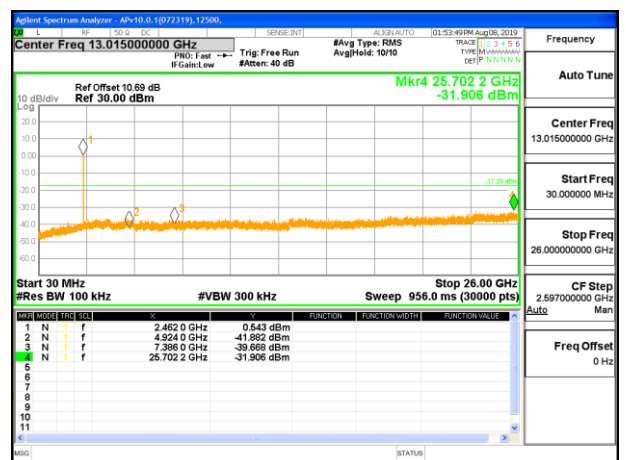
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

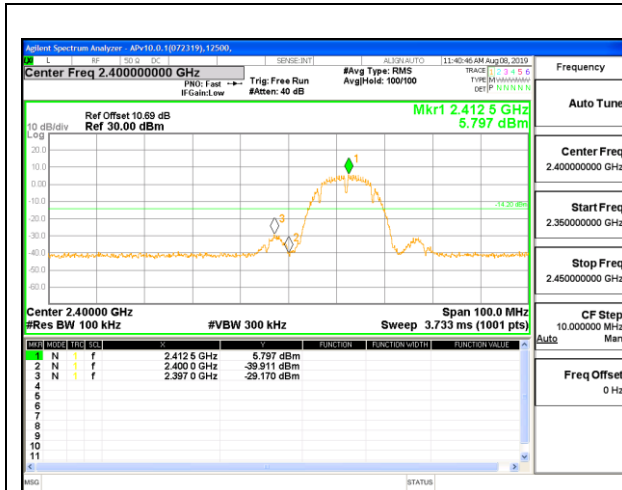


HIGH CHANNEL 11 BANDEDGE

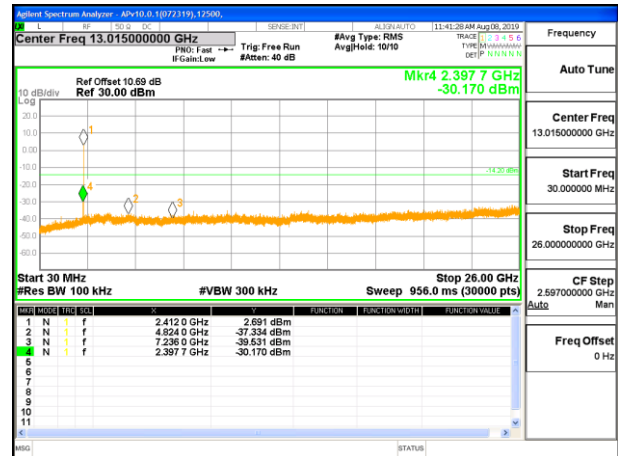


OUT-OF-BAND HIGH CHANNEL 11

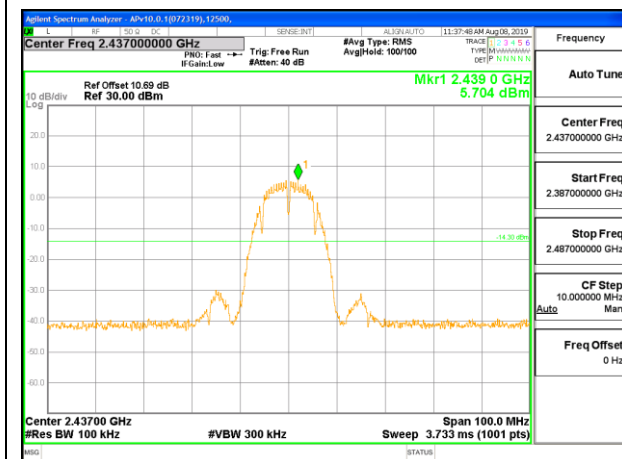
1TX Antenna 2 MODE



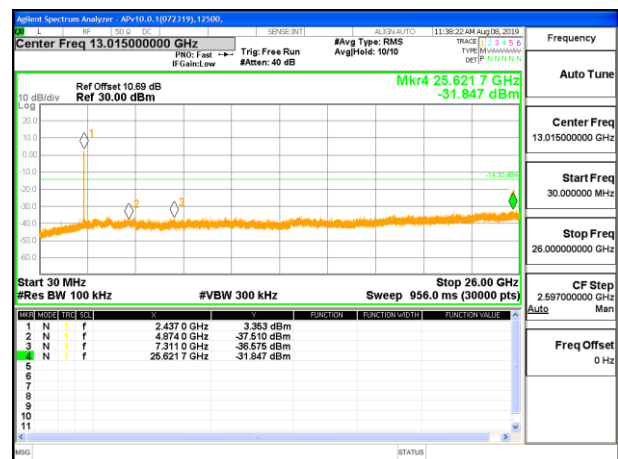
LOW CHANNEL 1 BANDEDGE



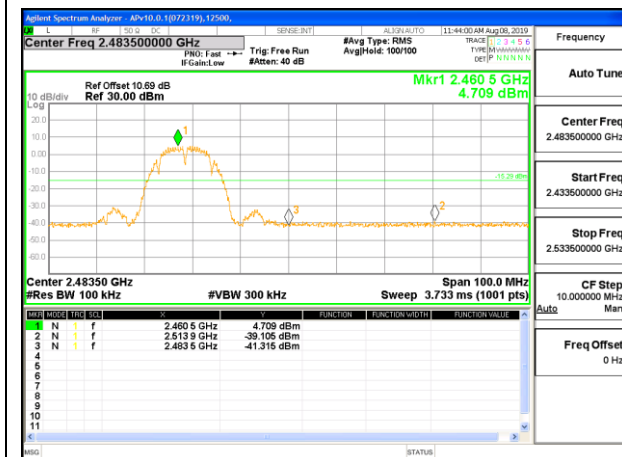
OUT-OF-BAND LOW CHANNEL 1



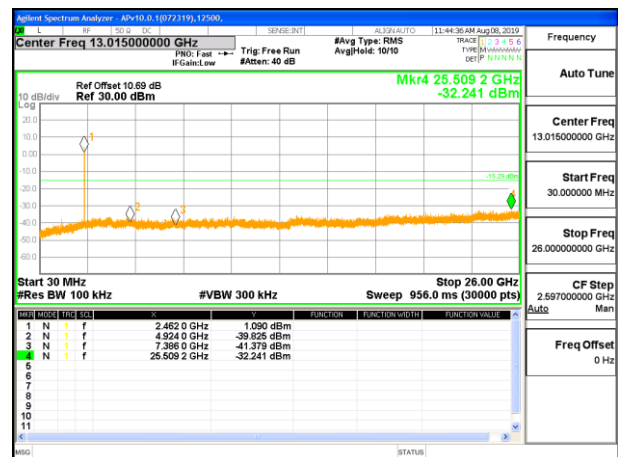
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



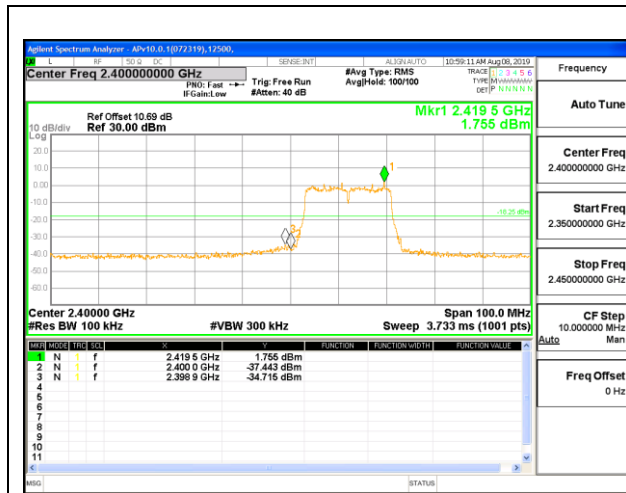
HIGH CHANNEL 11 BANDEDGE



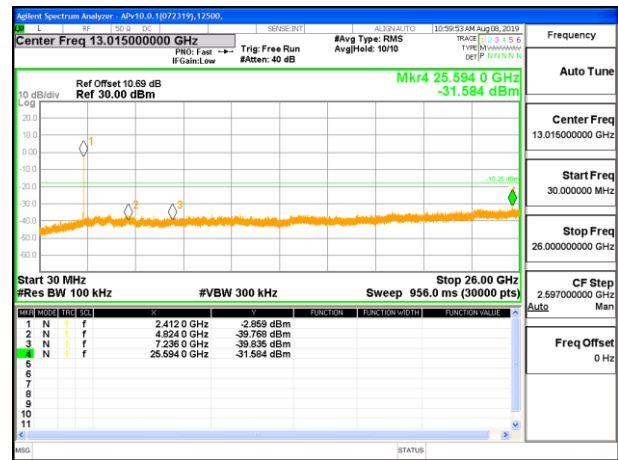
OUT-OF-BAND HIGH CHANNEL 11

8.7.2. 802.11n HT20 MODE

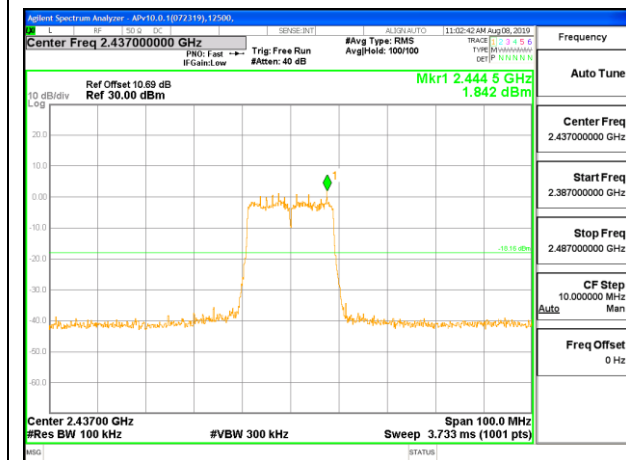
1TX Antenna 1 MODE



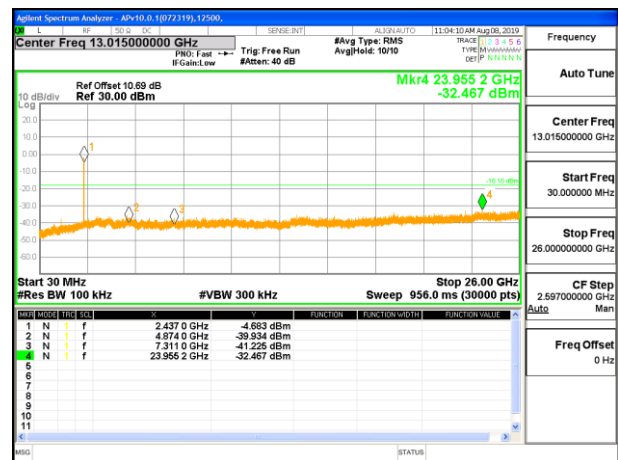
LOW CHANNEL 1 BANDEDGE



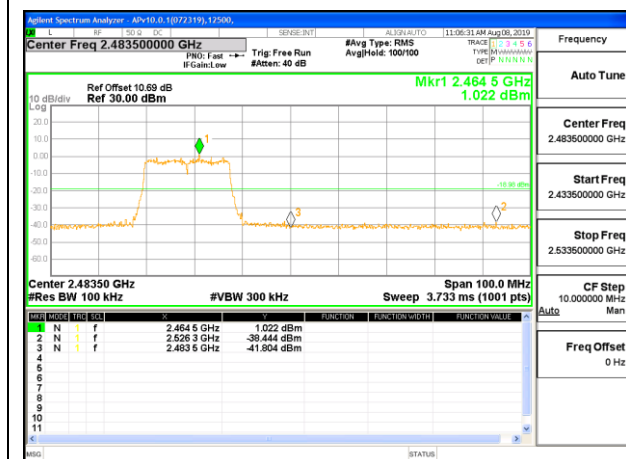
OUT-OF-BAND LOW CHANNEL 1



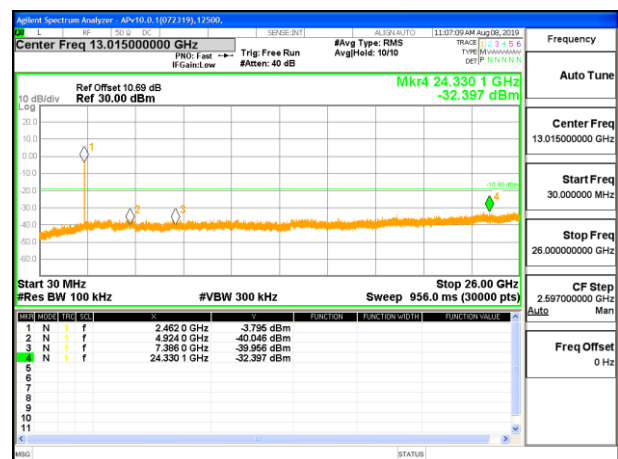
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL



HIGH CHANNEL 11 BANDEDGE

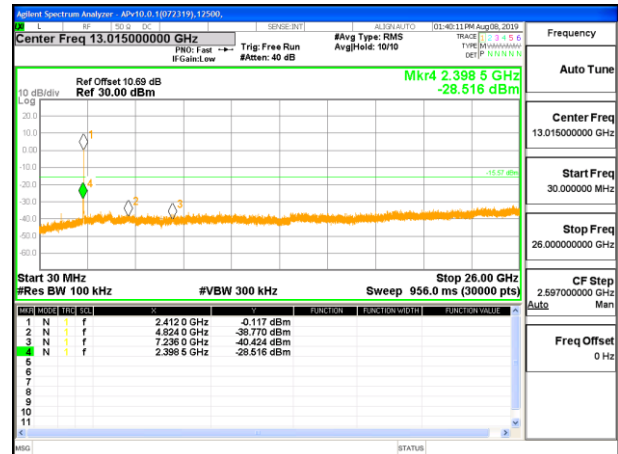


OUT-OF-BAND HIGH CHANNEL 11

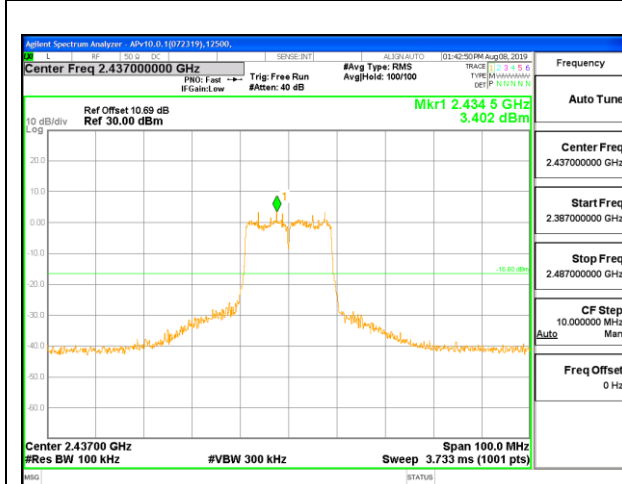
1TX Antenna 2 MODE



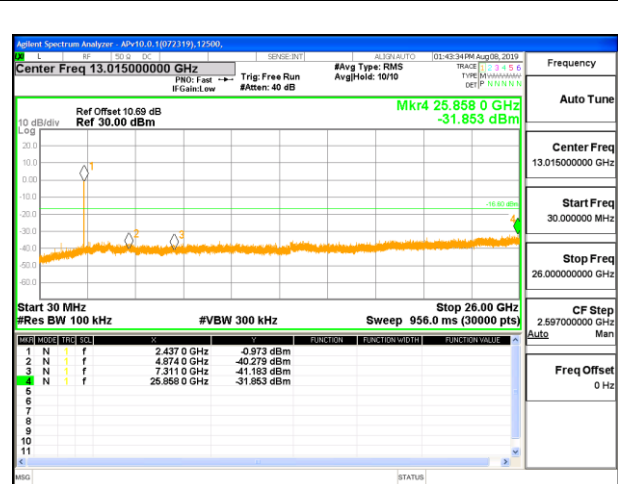
LOW CHANNEL 1 BANDEDGE



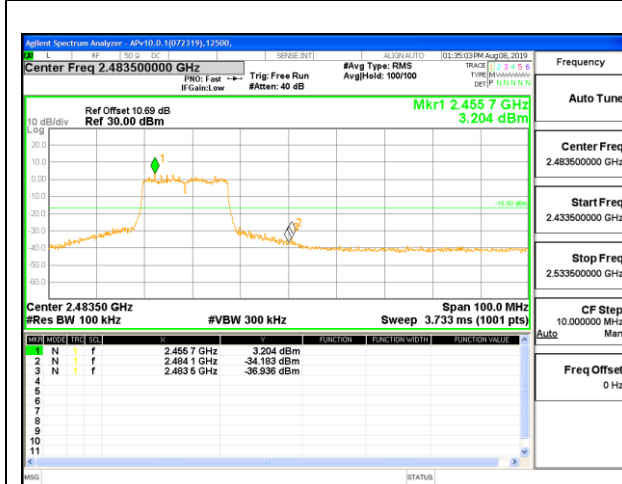
OUT-OF-BAND LOW CHANNEL 1



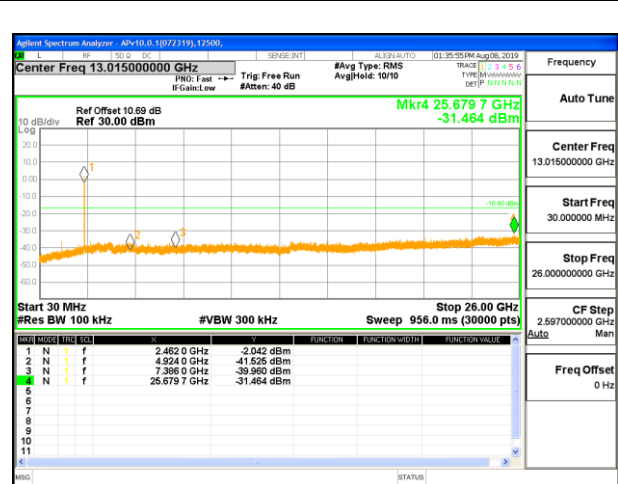
IN-BAND REFERENCE LEVEL



OUT-OF-BAND MID CHANNEL

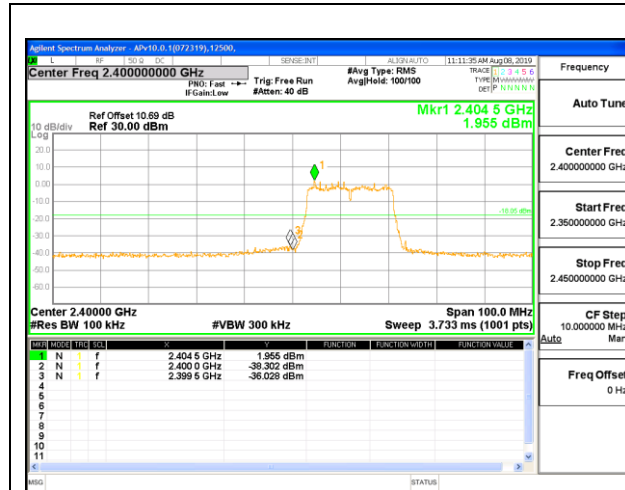


HIGH CHANNEL 11 BANDEDGE



OUT-OF-BAND HIGH CHANNEL 11

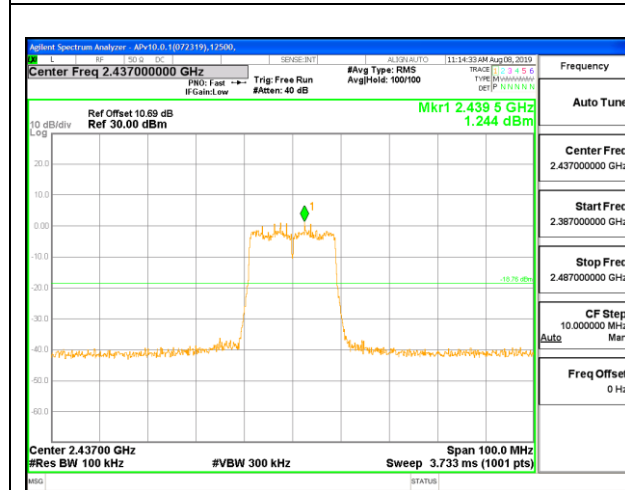
2TX Antenna 1 + Antenna 2 CDD MODE



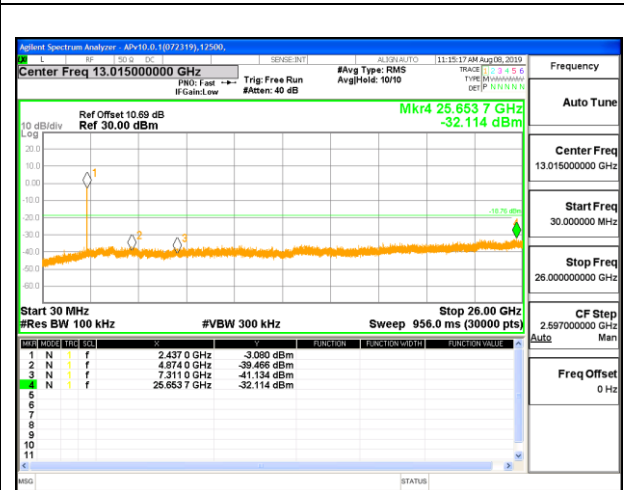
LOW CHANNEL 1 BANDEDGE ANTENNA 1



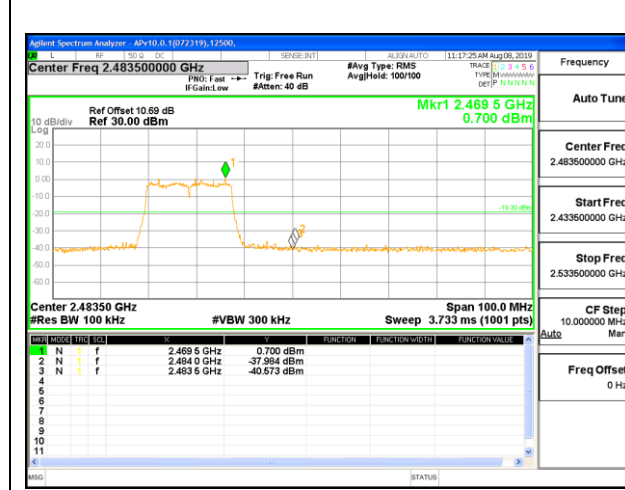
OUT-OF-BAND LOW CHANNEL 1 ANTENNA 1



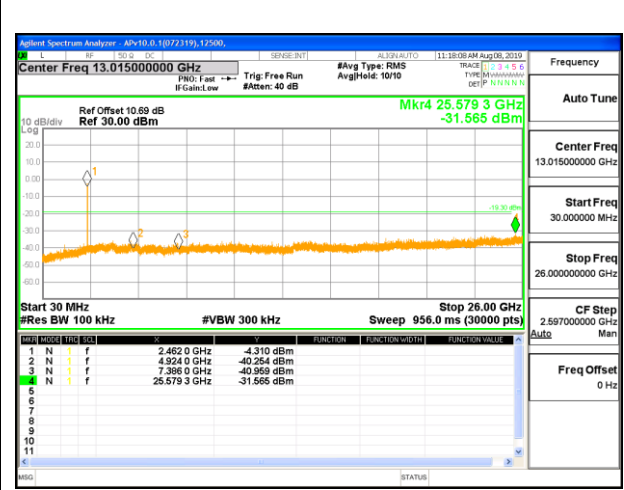
IN-BAND REFERENCE LEVEL ANTENNA 1



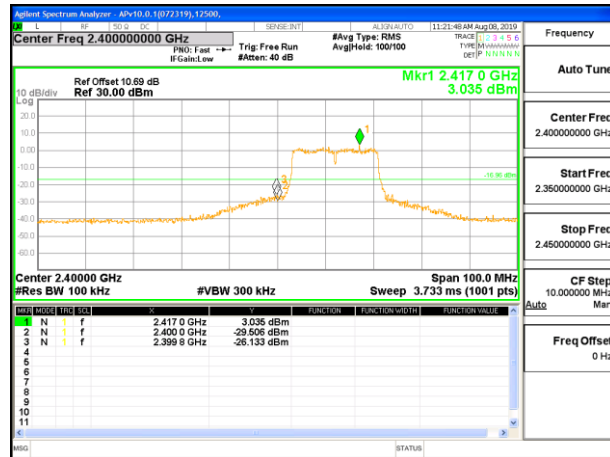
OUT-OF-BAND MID CHANNEL ANTENNA 1



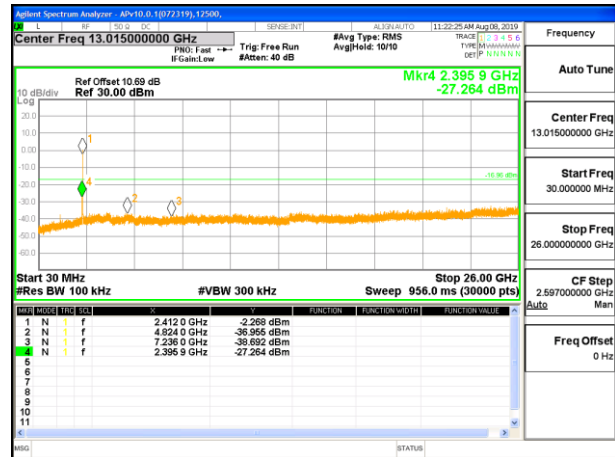
HIGH CHANNEL 11 BANDEDGE ANTENNA 1



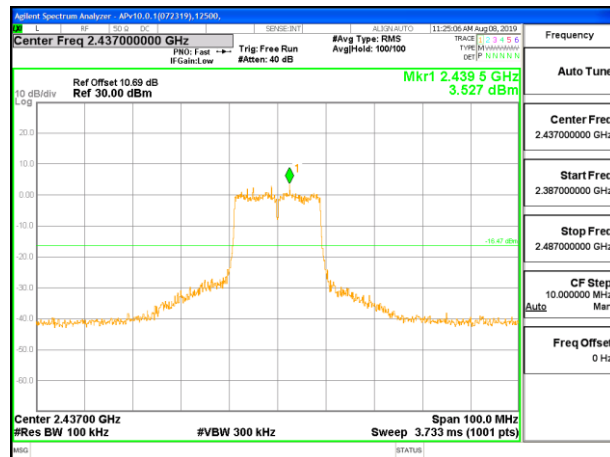
OUT-OF-BAND HIGH CHANNEL 11 ANTENNA 1



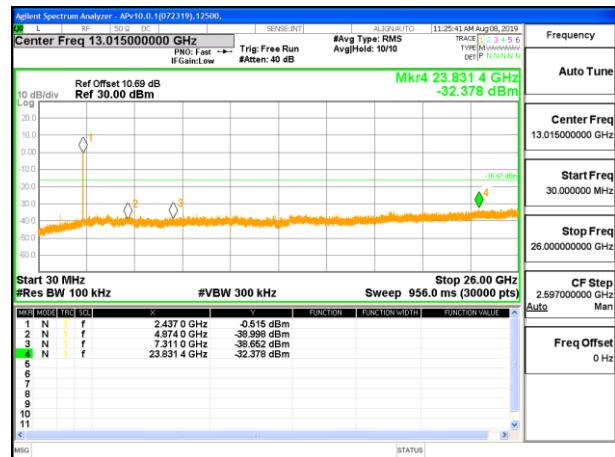
LOW CHANNEL 1 BANDEDGE ANTENNA 2



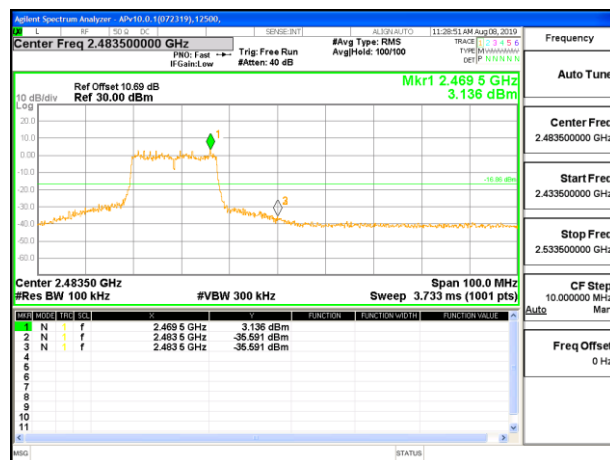
OUT-OF-BAND LOW CHANNEL 1 ANTENNA 2



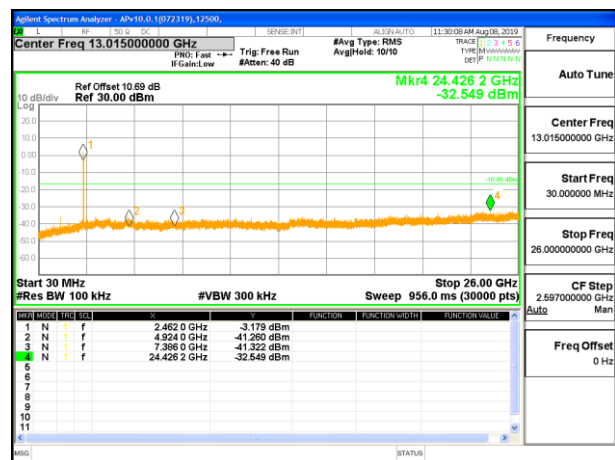
IN-BAND REFERENCE LEVEL ANTENNA 2



OUT-OF-BAND MID CHANNEL ANTENNA 2



HIGH CHANNEL 11 BANDEDGE ANTENNA 2



OUT-OF-BAND HIGH CHANNEL 11 ANTENNA 2

9. 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. Peak detection is used unless otherwise noted as quasi-peak.

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.

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.

For below 30MHz testing, investigation was done on three antenna orientations (parallel, perpendicular, and ground-parallel), parallel and perpendicular are the worst orientations, therefore testing was performed on these two orientations only.

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

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.

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

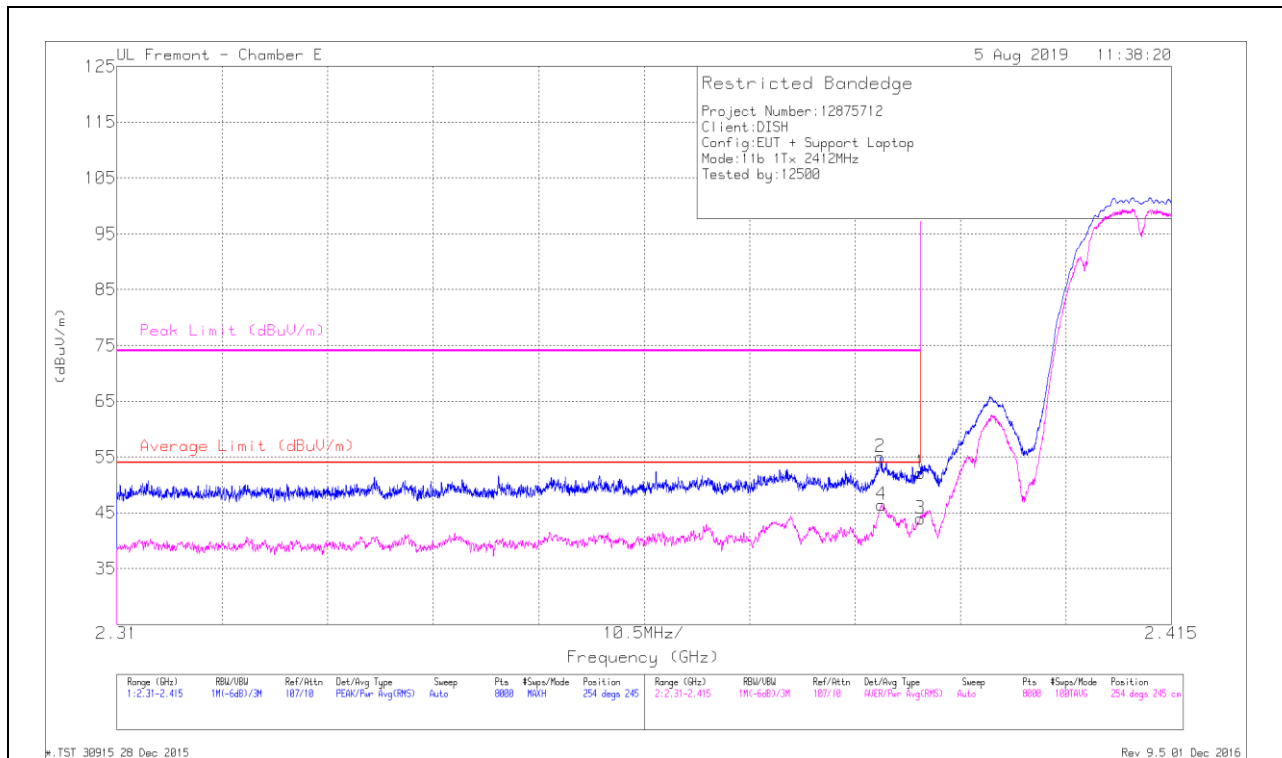
9.1. TRANSMITTER ABOVE 1 GHz

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

1TX Antenna 1 MODE

BANDEDGE (LOW CHANNEL, CH 1)

HORIZONTAL RESULT



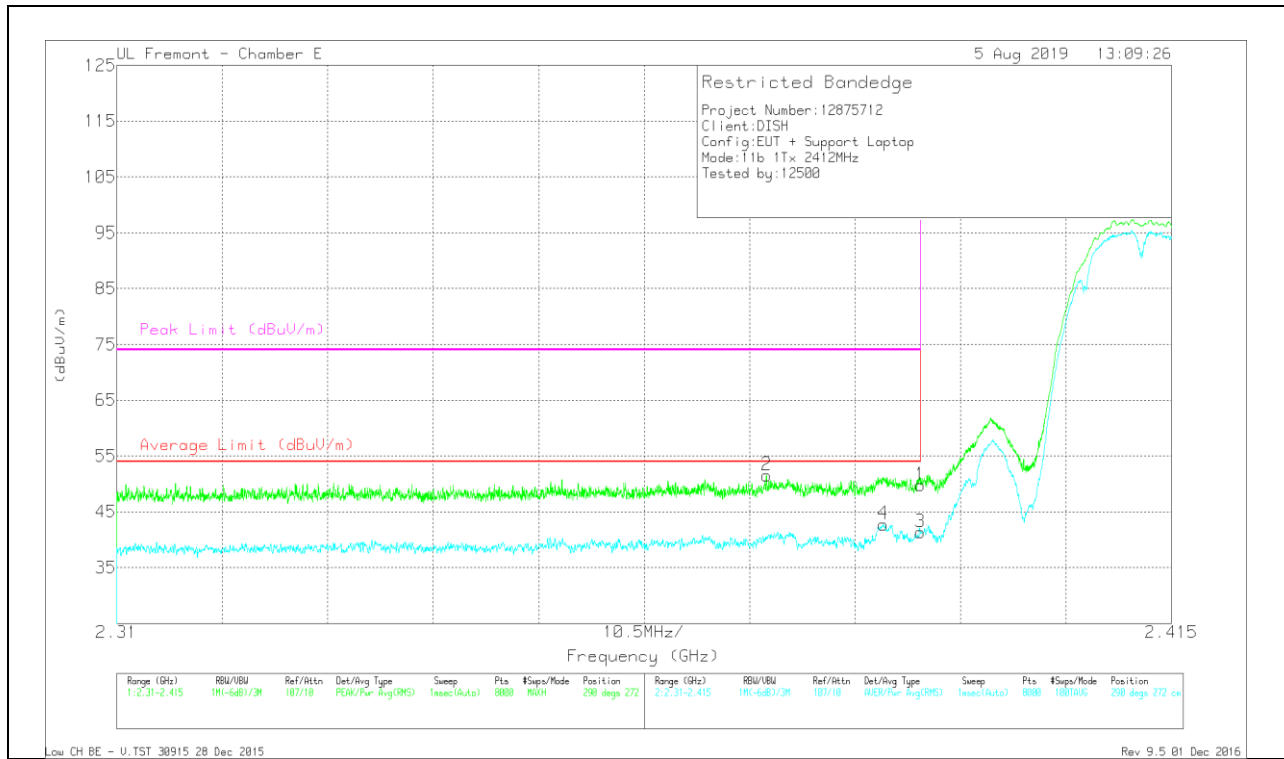
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/P ad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 46.06 | Pk | 32.3 | -26.2 | 52.16 | - | - | 74 | -21.84 | 254 | 245 | H |
| 2 | * 2.386 | 49.01 | Pk | 32.3 | -26.3 | 55.01 | - | - | 74 | -18.99 | 254 | 245 | H |
| 3 | * 2.39 | 37.89 | RMS | 32.3 | -26.2 | 43.99 | 54 | -10.01 | - | - | 254 | 245 | H |
| 4 | * 2.386 | 40.49 | RMS | 32.3 | -26.3 | 46.49 | 54 | -7.51 | - | - | 254 | 245 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T119 (dB/m) | Amp/Cbl/Filtr/Pad (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|------------------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 2 | * 2.375 | 45.69 | Pk | 32.2 | -26.3 | 51.59 | - | - | 74 | -22.41 | 290 | 272 | V |
| 4 | * 2.386 | 36.78 | RMS | 32.3 | -26.3 | 42.78 | 54 | -11.22 | - | - | 290 | 272 | V |
| 1 | * 2.39 | 43.67 | PK | 32.3 | -26.2 | 49.77 | - | - | 74 | -24.23 | 290 | 272 | V |
| 3 | * 2.39 | 35.3 | RMS | 32.3 | -26.2 | 41.4 | 54 | -12.6 | - | - | 290 | 272 | V |

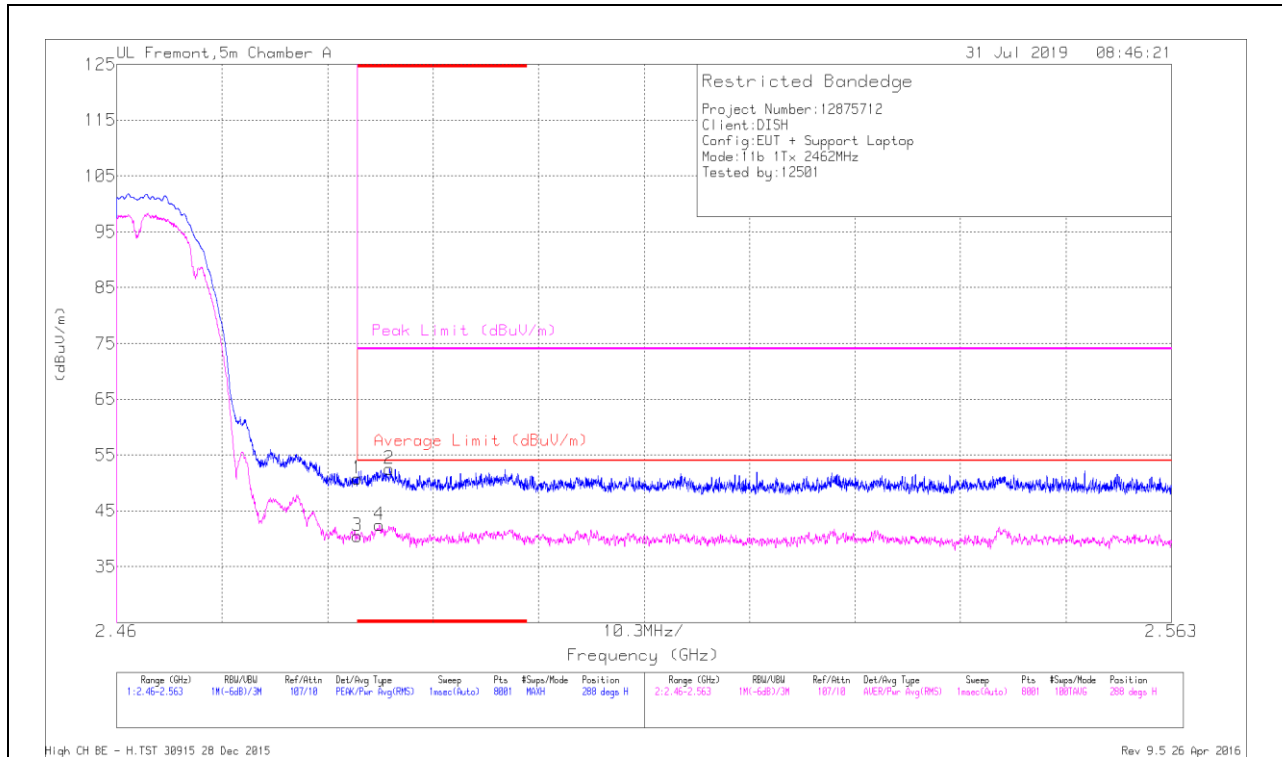
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

BANDEDGE (HIGH CHANNEL, CH 11)

HORIZONTAL RESULT



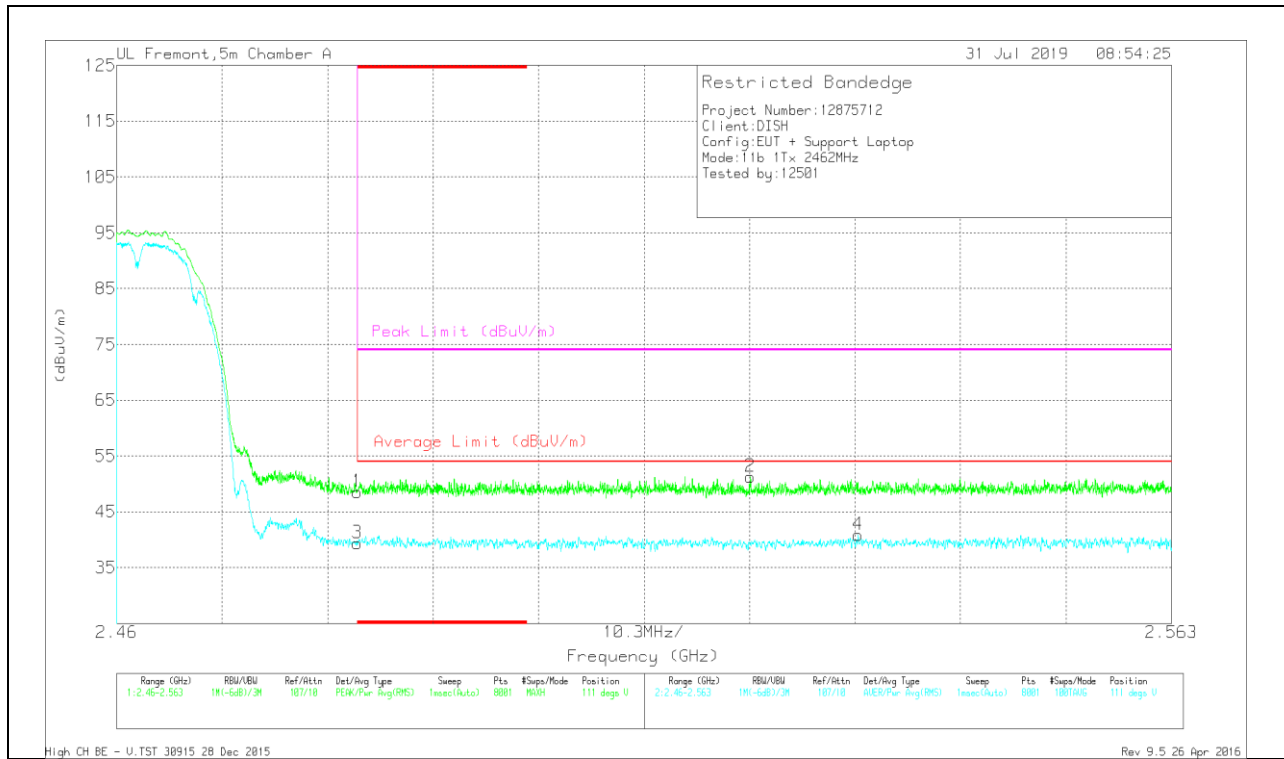
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Cb/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 40.27 | Pk | 32.6 | -22.1 | 0 | 50.77 | - | - | 74 | -23.23 | 288 | 198 | H |
| 2 | * 2.487 | 42.04 | Pk | 32.6 | -22.1 | 0 | 52.54 | - | - | 74 | -21.46 | 288 | 198 | H |
| 3 | * 2.484 | 29.94 | RMS | 32.6 | -22.1 | 0 | 40.44 | 54 | -13.56 | - | - | 288 | 198 | H |
| 4 | * 2.486 | 31.95 | RMS | 32.6 | -22.1 | 0 | 42.45 | 54 | -11.55 | - | - | 288 | 198 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | AF T346 (dB/m) | Amp/Ch/IF/Tr/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 38.05 | Pk | 32.6 | -22.1 | 0 | 43.55 | - | - | 74 | -25.45 | 111 | 384 | V |
| 3 | * 2.484 | 28.83 | RMS | 32.6 | -22.1 | 0 | 39.33 | 54 | -14.67 | - | - | 111 | 384 | V |
| 2 | 2.522 | 40.58 | Pk | 32.6 | -21.9 | 0 | 51.28 | - | - | 74 | -22.72 | 111 | 384 | V |
| 4 | 2.532 | 30.01 | RMS | 32.6 | -21.8 | 0 | 40.81 | 54 | -13.19 | - | - | 111 | 384 | V |

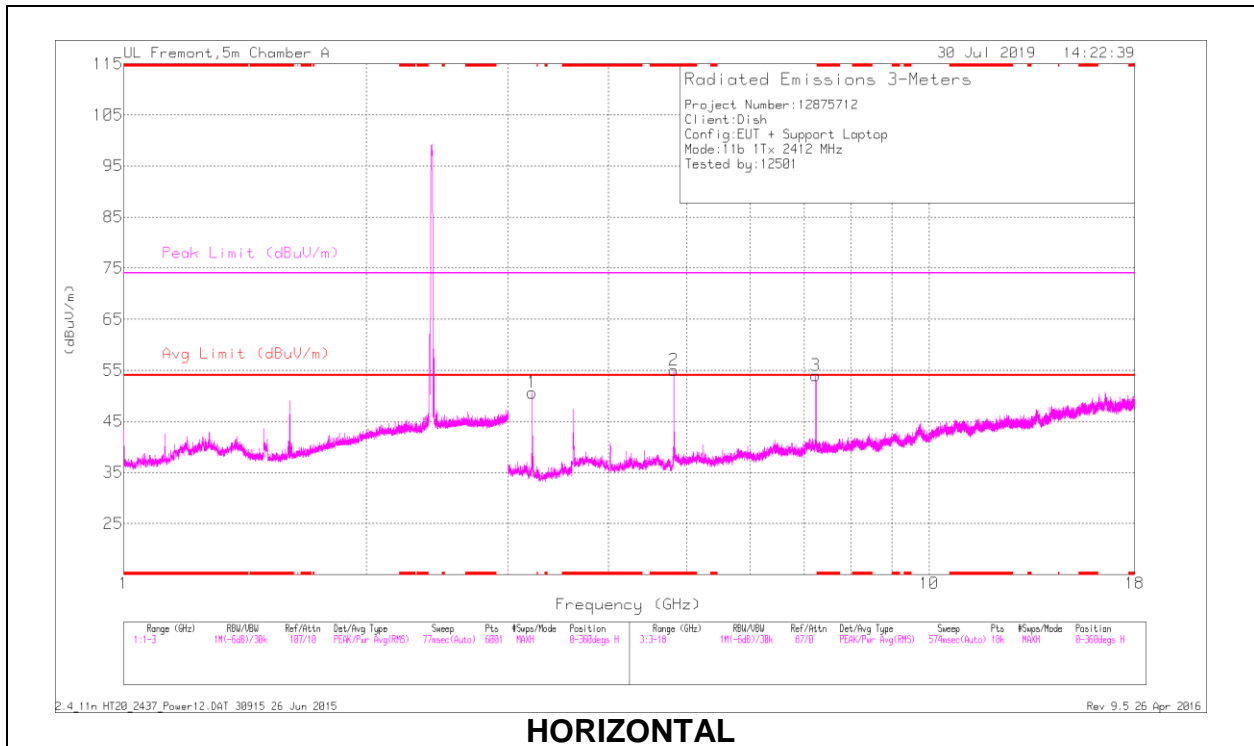
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

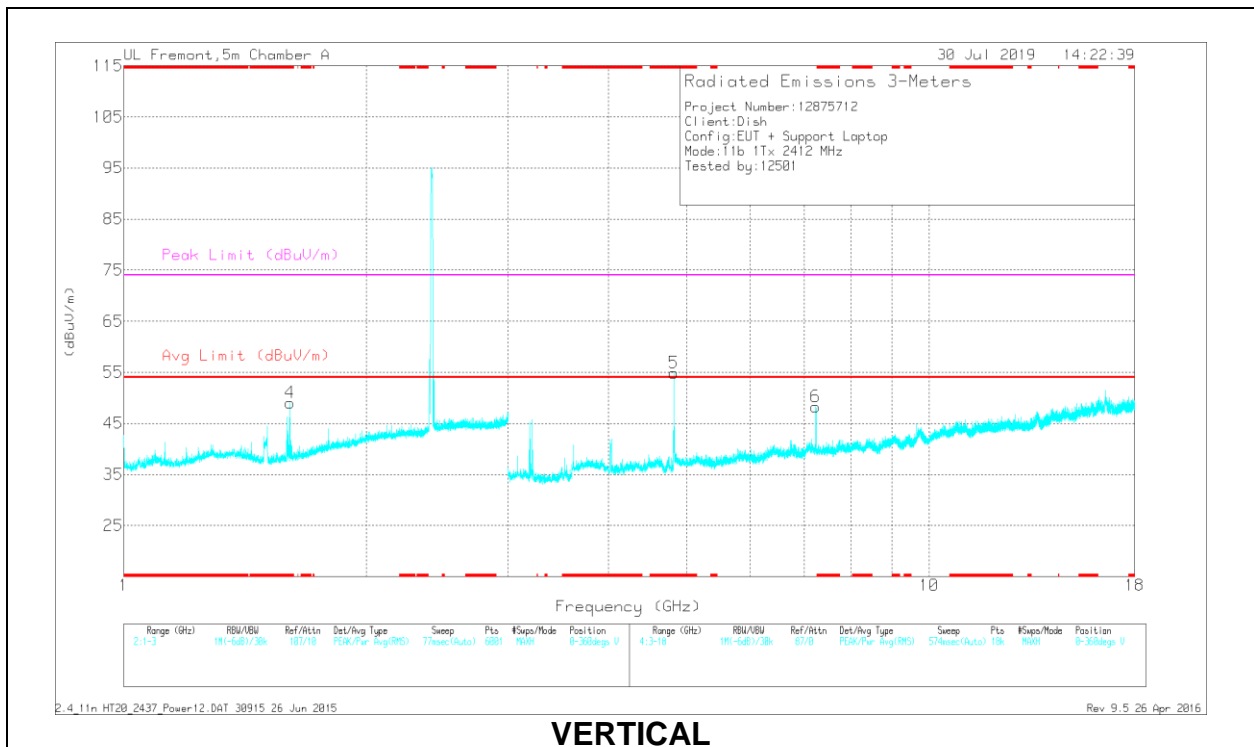
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL, CH 1 RESULTS



HORIZONTAL



VERTICAL