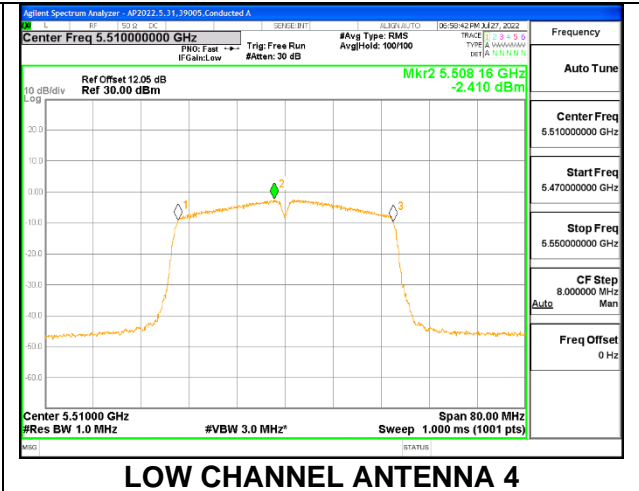
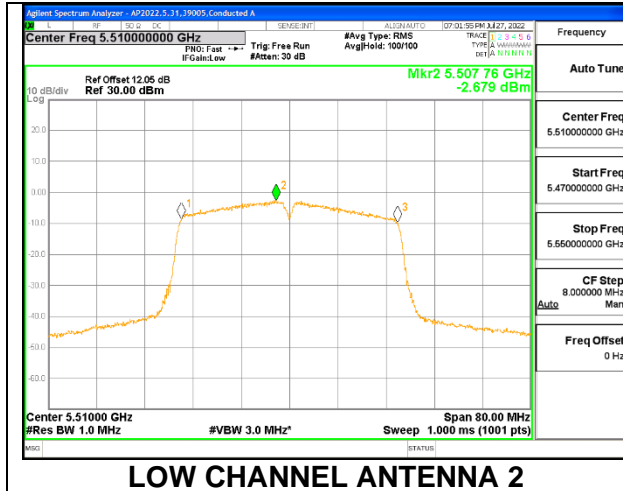
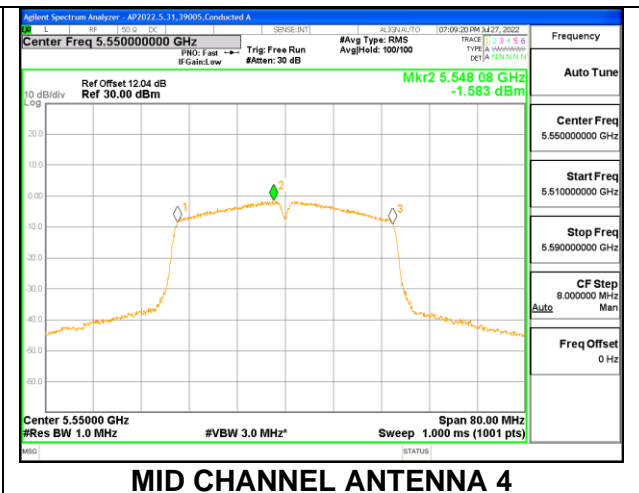
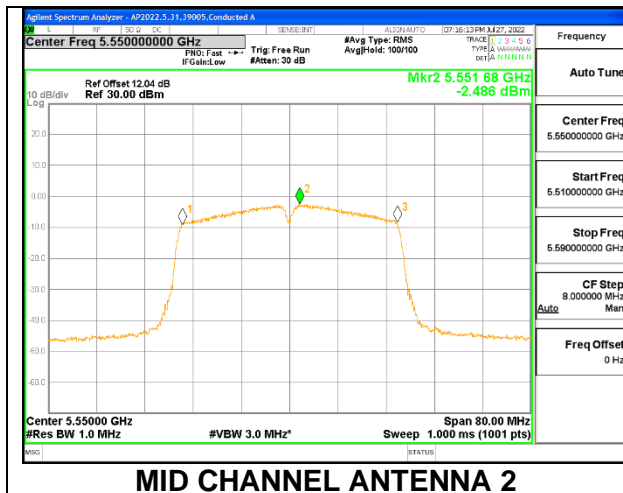


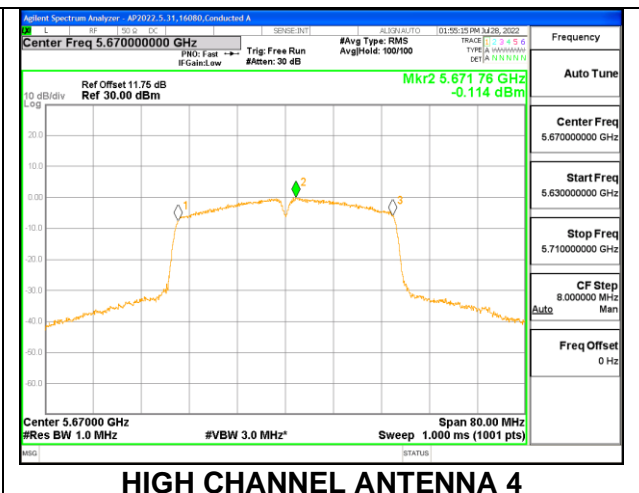
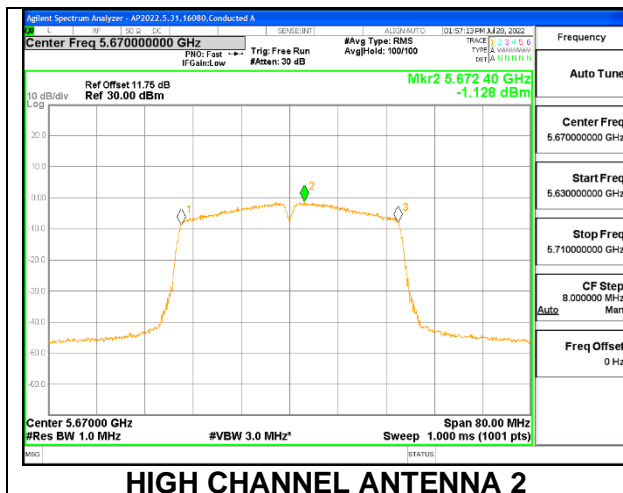
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.12. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 4 CDD MODE (FCC+IC)

| | |
|-----------------------|------------|
| Test Engineer: | RA39005 |
| Test Date: | 2022/27/07 |

Bandwidth and Antenna Gain

| Channel | Frequency (MHz) | Min 26 dB BW (MHz) | Min 99% BW (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBi) |
|---------|--------------------|-----------------------------|---------------------------|-------------------------------------------|-----------------------------------------|
| Low | 5530 | 80.32 | 75.269 | 5.05 | 8.06 |
| High | 5610 | 81.12 | 75.247 | 5.05 | 8.06 |

Limits

| Channel | Frequency (MHz) | FCC Power Limit (dBm) | ISED Power Limit (dBm) | ISED EIRP Limit (dBm) | Power Limit (dBm) | FCC PSD Limit (dBm/ 1MHz) | ISED PSD Limit (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) |
|---------|--------------------|--------------------------------|---------------------------------|--------------------------------|-------------------------|---------------------------------------|----------------------------------------|--------------------------------|
| Low | 5530 | 24.00 | 24.00 | 30.00 | 24.00 | 8.94 | 11.00 | 8.94 |
| High | 5610 | 24.00 | 24.00 | 30.00 | 24.00 | 8.94 | 11.00 | 8.94 |

| | | |
|---------------------------|------|-----------------------------------------------|
| Duty Cycle CF (dB) | 3.36 | Included in Calculations of Corr'd PSD |
|---------------------------|------|-----------------------------------------------|

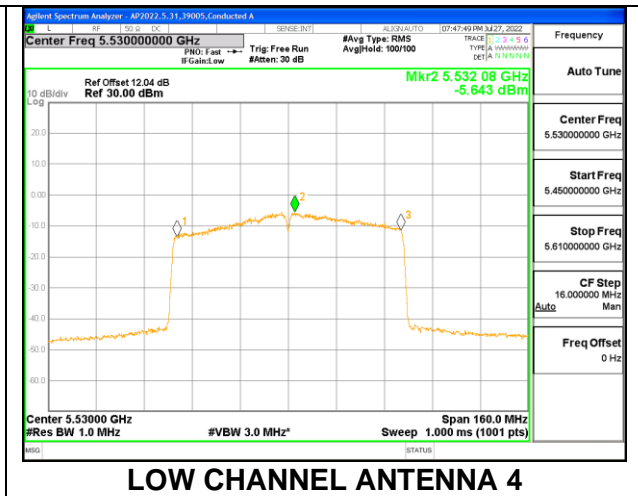
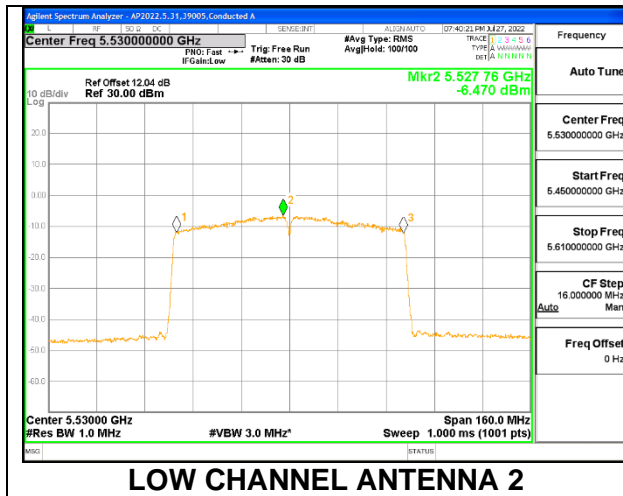
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margi n (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-----------------------------|
| Low | 5530 | 13.48 | 14.63 | 17.10 | 24.00 | -6.90 |
| High | 5610 | 18.30 | 18.52 | 21.42 | 24.00 | -2.58 |

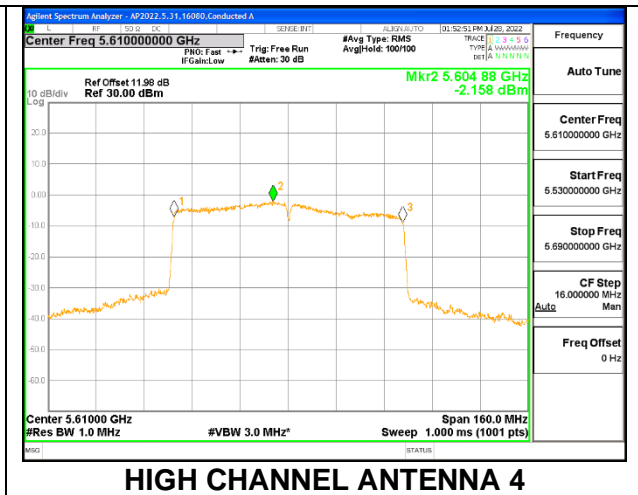
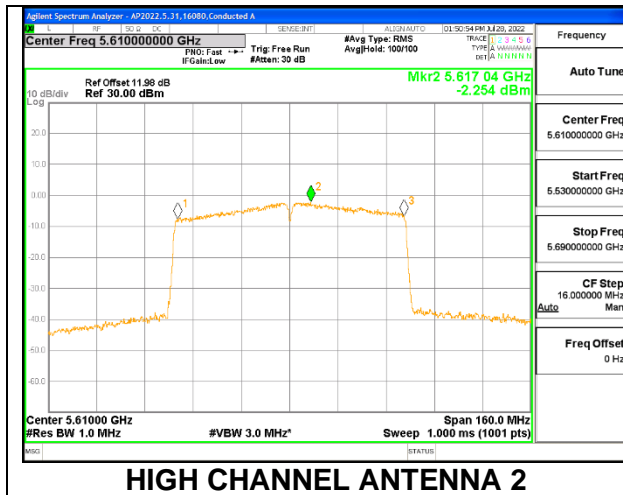
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 1MHz) | Antenna 4 Meas PSD (dBm/ 1MHz) | Total Corr'd PSD (dBm/ 1MHz) | PSD Limit (dBm/ 1MHz) | PSD Margi n (dB) |
|---------|--------------------|--------------------------------------------|--------------------------------------------|------------------------------------------|--------------------------------|---------------------------|
| Low | 5530 | -6.470 | -5.643 | 0.333 | 8.94 | -8.61 |
| High | 5610 | -2.254 | -2.158 | 4.165 | 8.94 | -4.78 |

LOW CHANNEL



HIGH CHANNEL



9.5.13. 802.11a MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 4 CDD MODE (FCC+IC)

| | |
|-----------------------|------------|
| Test Engineer: | RA39005 |
| Test Date: | 2022/27/07 |

Antenna Gain and Limit

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBm) | FCC/ISED Power Limit (dBm) | FCC/ISED PSD Limit (dBm/500KHz) |
|---------|-----------------|----------------------------------|--------------------------------|----------------------------|---------------------------------|
| Low | 5745 | 5.15 | 8.16 | 30.00 | 27.84 |
| Mid | 5785 | 5.15 | 8.16 | 30.00 | 27.84 |
| High | 5825 | 5.15 | 8.16 | 30.00 | 27.84 |

| | | |
|---------------------------|------|-----------------------------------------------|
| Duty Cycle CF (dB) | 1.05 | Included in Calculations of Corr'd PSD |
|---------------------------|------|-----------------------------------------------|

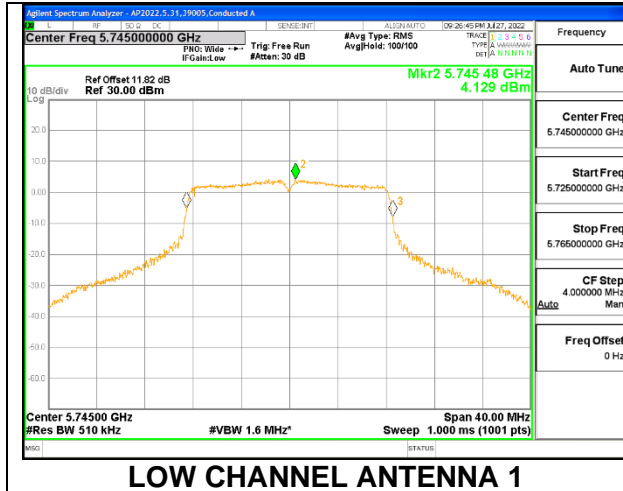
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|-----------------|----------------------------|----------------------------|--------------------------|-------------------|-------------------|
| Low | 5745 | 19.40 | 19.73 | 22.58 | 30.00 | -7.42 |
| Mid | 5785 | 19.12 | 19.60 | 22.38 | 30.00 | -7.62 |
| High | 5825 | 19.33 | 19.32 | 22.34 | 30.00 | -7.66 |

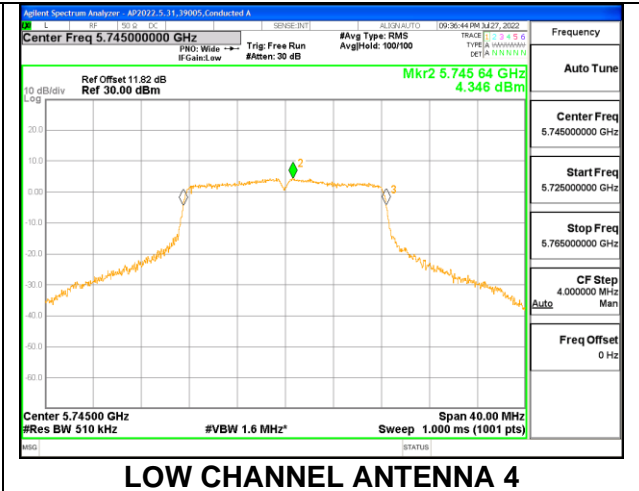
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/500KHz) | Antenna 4 Meas PSD (dBm/500KHz) | Total Corr'd PSD (dBm/500KHz) | PSD Limit (dBm/500KHz) | PSD Margin (dB) |
|---------|-----------------|---------------------------------|---------------------------------|-------------------------------|------------------------|-----------------|
| Low | 5745 | 4.129 | 4.346 | 8.299 | 27.84 | -19.54 |
| Mid | 5785 | 4.021 | 4.534 | 8.345 | 27.84 | -19.49 |
| High | 5825 | 4.975 | 5.030 | 9.063 | 27.84 | -18.78 |

LOW CHANNEL

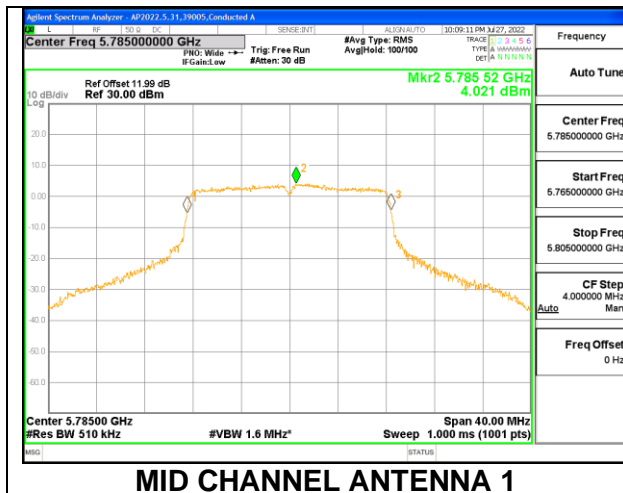


LOW CHANNEL ANTENNA 1

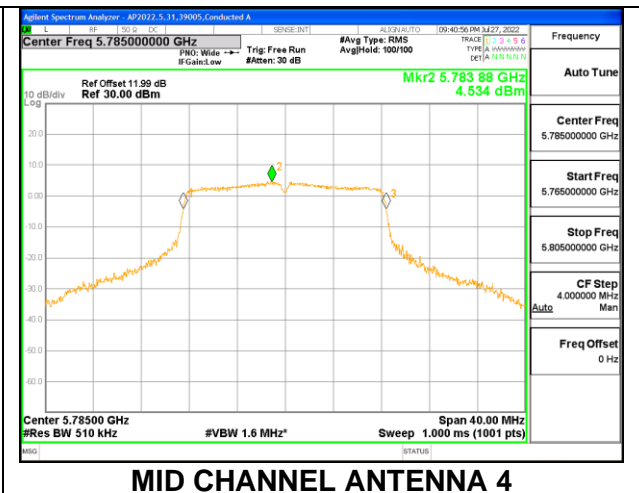


LOW CHANNEL ANTENNA 4

MID CHANNEL

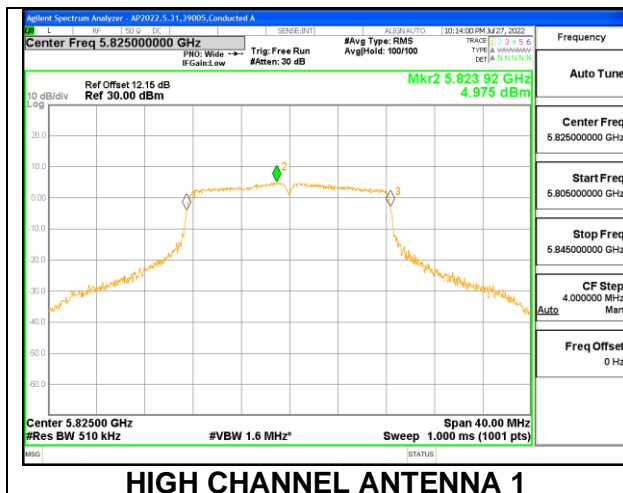


MID CHANNEL ANTENNA 1

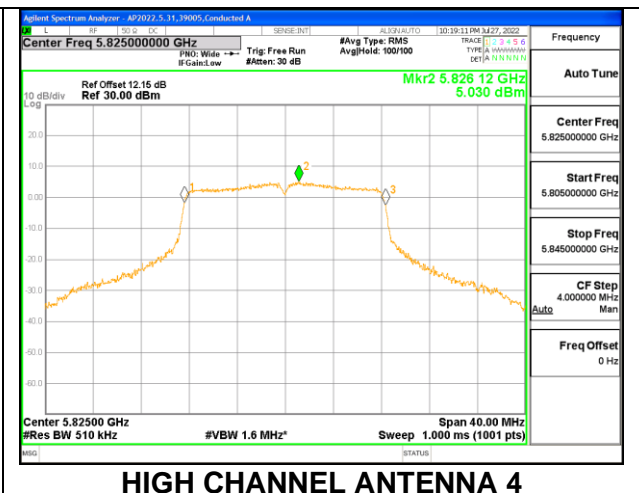


MID CHANNEL ANTENNA 4

HIGH CHANNEL



HIGH CHANNEL ANTENNA 1



HIGH CHANNEL ANTENNA 4

9.5.14. 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 4 CDD MODE (FCC+IC)

| | |
|-----------------------|------------|
| Test Engineer: | RA39005 |
| Test Date: | 2022/27/07 |

Antenna Gain and Limit

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBm) | FCC/ISED Power Limit (dBm) | FCC/ISED PSD Limit (dBm/ 500KHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------------------|----------------------------------------------|
| Low | 5745 | 5.15 | 8.16 | 30.00 | 27.84 |
| Mid | 5785 | 5.15 | 8.16 | 30.00 | 27.84 |
| High | 5825 | 5.15 | 8.16 | 30.00 | 27.84 |

| | | |
|---------------------------|------|-----------------------------------------------|
| Duty Cycle CF (dB) | 1.11 | Included in Calculations of Corr'd PSD |
|---------------------------|------|-----------------------------------------------|

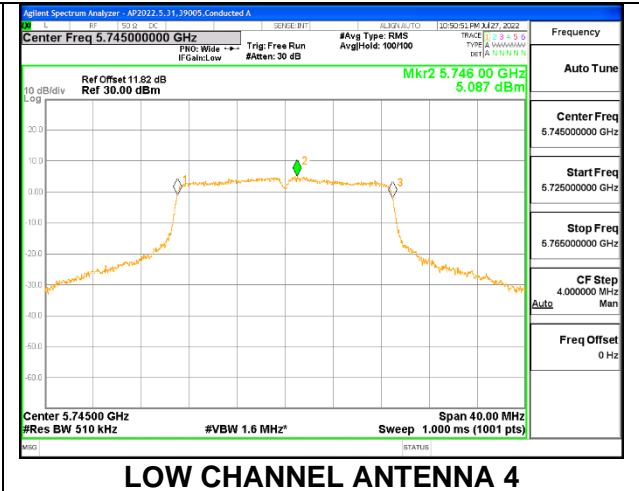
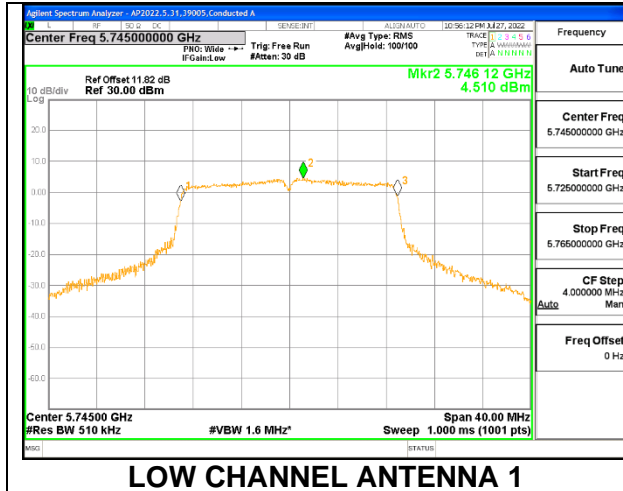
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5745 | 19.94 | 20.06 | 23.01 | 30.00 | -6.99 |
| Mid | 5785 | 19.53 | 20.08 | 22.82 | 30.00 | -7.18 |
| High | 5825 | 19.85 | 20.05 | 22.96 | 30.00 | -7.04 |

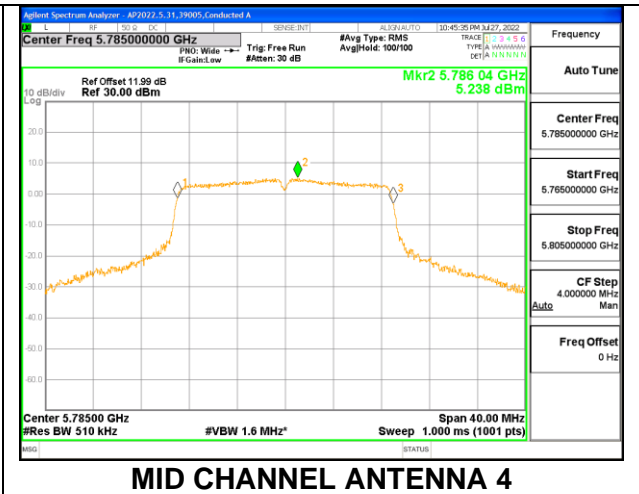
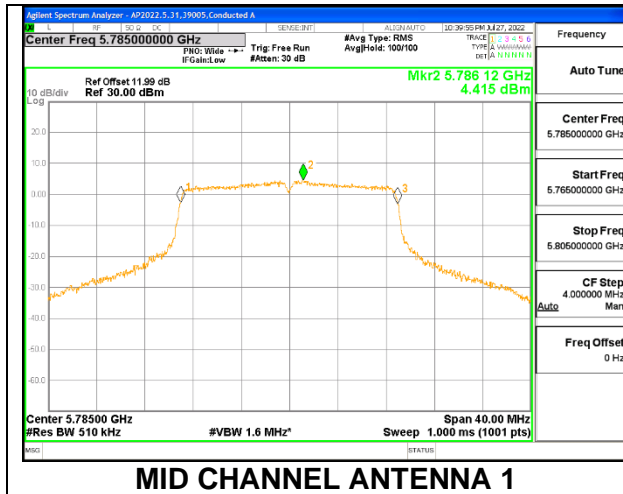
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 500KHz) | Antenna 4 Meas PSD (dBm/ 500KHz) | Total Corr'd PSD (dBm/ 500KHz) | PSD Limit (dBm/ 500KHz) | PSD Margin (dB) |
|---------|--------------------|----------------------------------------------|----------------------------------------------|--------------------------------------------|----------------------------------|-----------------------|
| Low | 5745 | 4.510 | 5.087 | 8.928 | 27.84 | -18.91 |
| Mid | 5785 | 4.415 | 5.238 | 8.966 | 27.84 | -18.87 |
| High | 5825 | 5.414 | 5.309 | 9.482 | 27.84 | -18.36 |

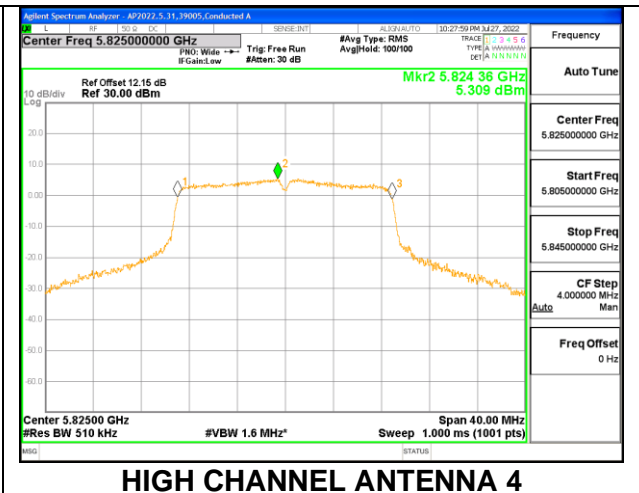
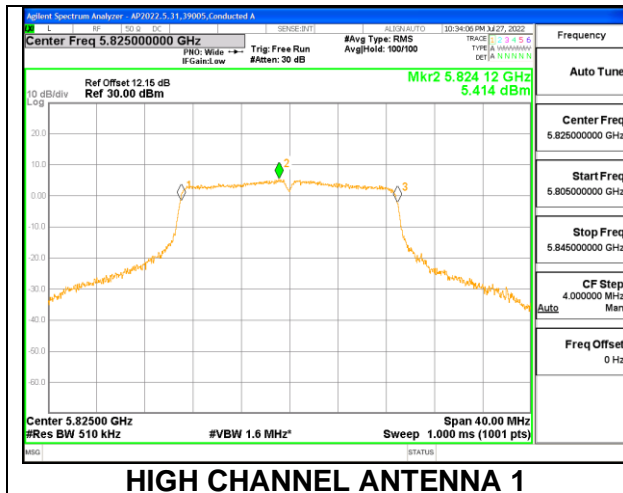
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



9.5.15. 802.11n HT40 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 4 CDD MODE (FCC+IC)

| | |
|-----------------------|------------|
| Test Engineer: | RA39005 |
| Test Date: | 2022/27/07 |

Antenna Gain and Limit

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBm) | FCC/ISED Power Limit (dBm) | FCC/ISED PSD Limit (dBm/ 500KHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------------------|----------------------------------------------|
| Low | 5755 | 5.15 | 8.16 | 30.00 | 27.84 |
| High | 5795 | 5.15 | 8.16 | 30.00 | 27.84 |

| | | |
|---------------------------|------|-----------------------------------------------|
| Duty Cycle CF (dB) | 2.04 | Included in Calculations of Corr'd PSD |
|---------------------------|------|-----------------------------------------------|

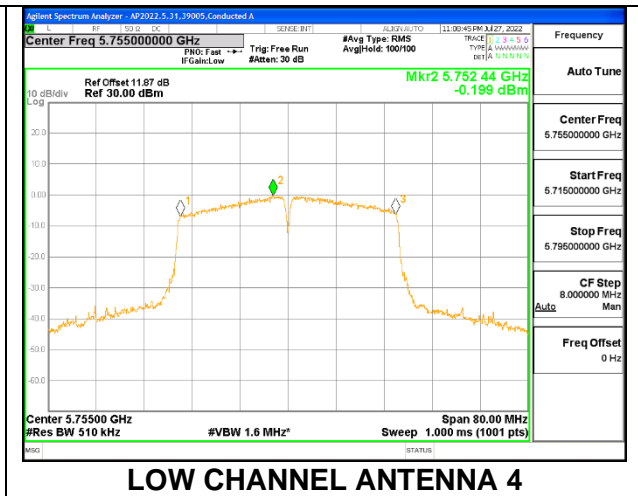
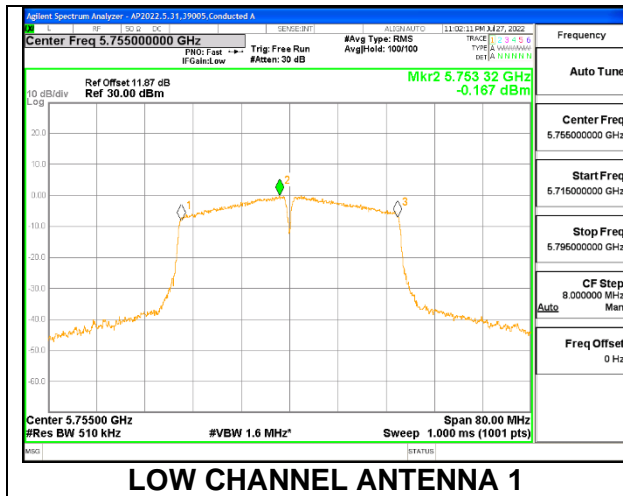
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Low | 5755 | 17.64 | 17.38 | 20.52 | 30.00 | -9.48 |
| High | 5795 | 17.28 | 17.24 | 20.27 | 30.00 | -9.73 |

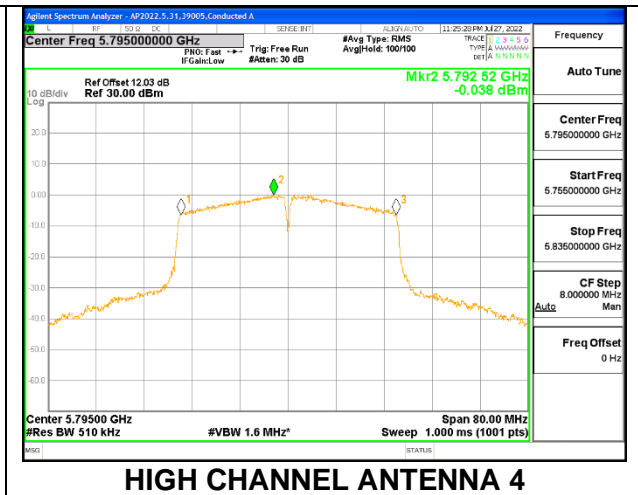
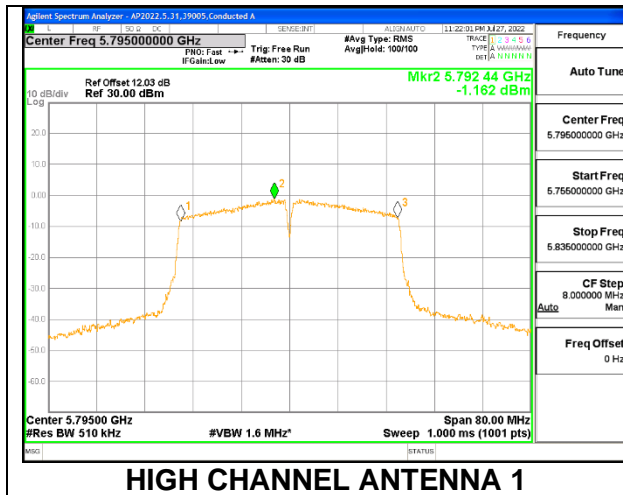
PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 500KHz) | Antenna 4 Meas PSD (dBm/ 500KHz) | Total Corr'd PSD (dBm/ 500KHz) | PSD Limit (dBm/ 500KHz) | PSD Margin (dB) |
|---------|--------------------|----------------------------------------------|----------------------------------------------|--------------------------------------------|----------------------------------|-----------------------|
| Low | 5755 | -0.167 | -0.199 | 4.867 | 27.84 | -22.97 |
| High | 5795 | -1.162 | -0.038 | 4.487 | 27.84 | -23.35 |

LOW CHANNEL



HIGH CHANNEL



9.5.16. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

2TX Antenna 1+ Antenna 4 CDD MODE (FCC+IC)

| | |
|-----------------------|------------|
| Test Engineer: | RA39005 |
| Test Date: | 2022/27/07 |

Antenna Gain and Limit

| Channel | Frequency (MHz) | Directional Gain for Power (dBi) | Directional Gain for PSD (dBm) | FCC/ISED Power Limit (dBm) | FCC/ISED PSD Limit (dBm/ 500KHz) |
|---------|--------------------|-------------------------------------------|-----------------------------------------|-------------------------------------|----------------------------------------------|
| Mid | 5755 | 5.15 | 8.16 | 30.00 | 27.84 |

| | | |
|---------------------------|------|-----------------------------------------------|
| Duty Cycle CF (dB) | 3.36 | Included in Calculations of Corr'd PSD |
|---------------------------|------|-----------------------------------------------|

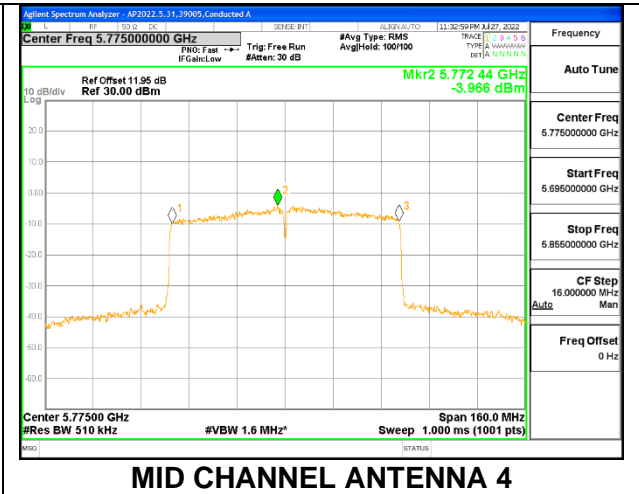
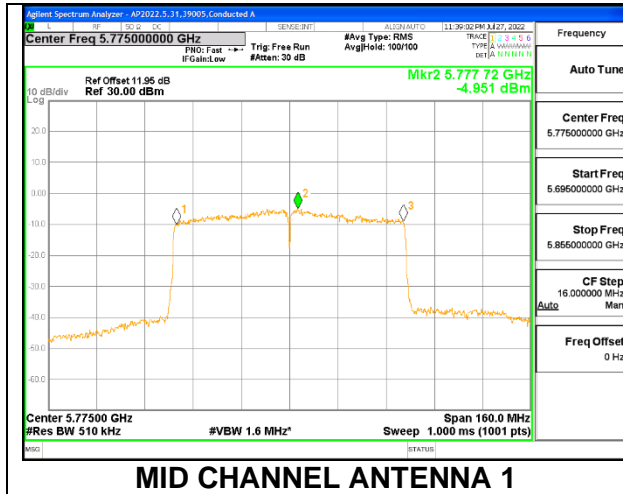
Output Power Results

| Channel | Frequency (MHz) | Antenna 1 Meas Power (dBm) | Antenna 4 Meas Power (dBm) | Total Corr'd Power (dBm) | Power Limit (dBm) | Power Margin (dB) |
|---------|--------------------|-------------------------------------|-------------------------------------|-----------------------------------|-------------------------|-------------------------|
| Mid | 5755 | 18.54 | 18.45 | 21.51 | 30.00 | -8.49 |

PSD Results

| Channel | Frequency (MHz) | Antenna 1 Meas PSD (dBm/ 500KHz) | Antenna 4 Meas PSD (dBm/ 500KHz) | Total Corr'd PSD (dBm/ 500KHz) | PSD Limit (dBm/ 500KHz) | PSD Margin (dB) |
|---------|--------------------|----------------------------------------------|----------------------------------------------|--------------------------------------------|----------------------------------|-----------------------|
| Mid | 5755 | -4.951 | -3.966 | 1.940 | 27.84 | -25.90 |

MID CHANNEL



10. RADIATED TEST RESULTS

LIMITS

FCC §15.205 and §15.209 -Restricted bands

FCC §15.407(b) (1-3) -Un-Restricted bands

After January 01, 2019 for Outside of the Restricted Bands Emissions

RSS 247 Issue 2 Sections

6.2.1.2 (for 5150-5250 MHz band)

6.2.2.2 (for 5250-5350 MHz band)

6.2.3.2 (for 5470-5600 MHz and 5650-5725 MHz bands)

6.2.4.2 (for 5725-5850 MHz band)

| 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.

The spectrum from 30 MHz to 1GHz and 18GHz to 40 GHz is investigated with the transmitter set to transmit at the channel with highest output power as worst-case scenario. 1GHz to 18GHz was set to the lowest, middle, and highest channels in the 5 GHz bands.

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.

2D antenna use - 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.

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 X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y - 51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to 15.209(a) limit.

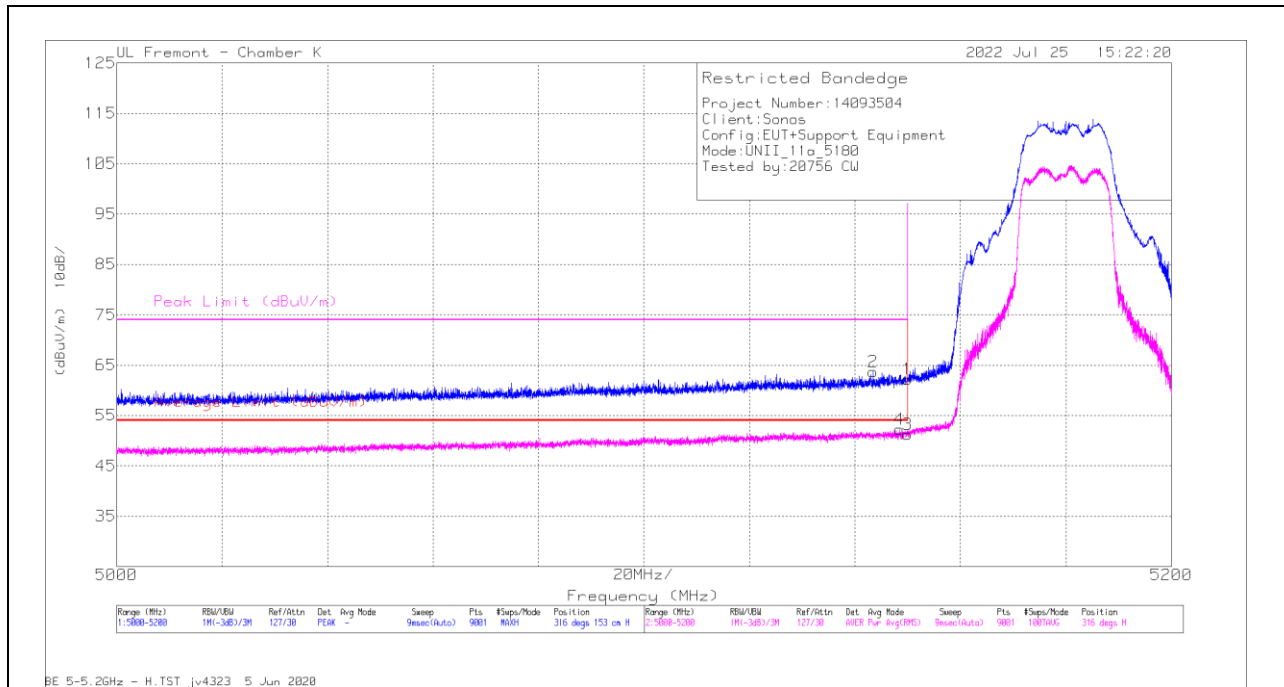
10.1. TRANSMITTER ABOVE 1 GHz

10.1.1. TX ABOVE 1 GHz 802.11a MODE IN THE 5.2 GHz BAND

2TX Antenna 2 + Antenna 4 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT



Trace Markers

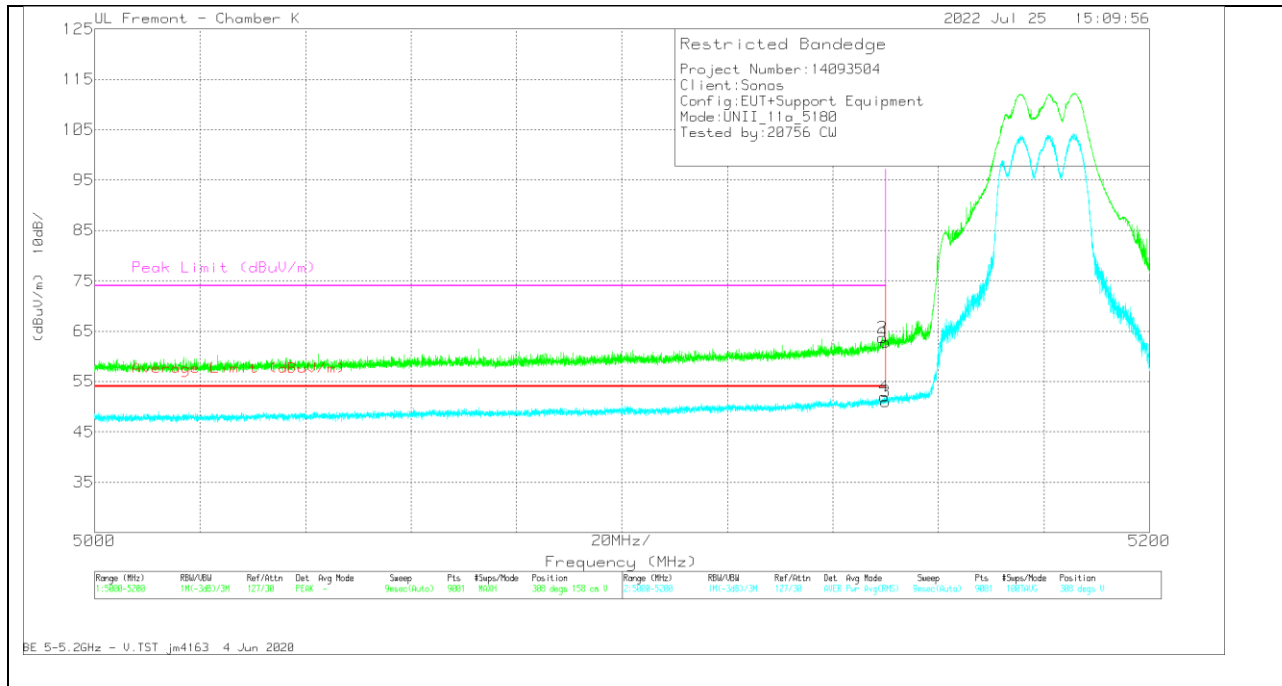
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dBm) | Amp/Cb/Psd (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|----------------|-----------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5150 | 58.68 | Pk | 34.4 | -30.9 | 0 | 62.18 | - | - | 74 | -11.82 | 316 | 153 | H |
| 2 | * 5143.465 | 60.2 | Pk | 34.4 | -30.9 | 0 | 63.7 | - | - | 74 | -10.3 | 316 | 153 | H |
| 3 | * 5150 | 46.68 | RMS | 34.4 | -30.9 | 1.05 | 51.23 | 54 | -2.77 | - | - | 316 | 153 | H |
| 4 | * 5148.443 | 47.56 | RMS | 34.4 | -30.8 | 1.05 | 52.21 | 54 | -1.79 | - | - | 316 | 153 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



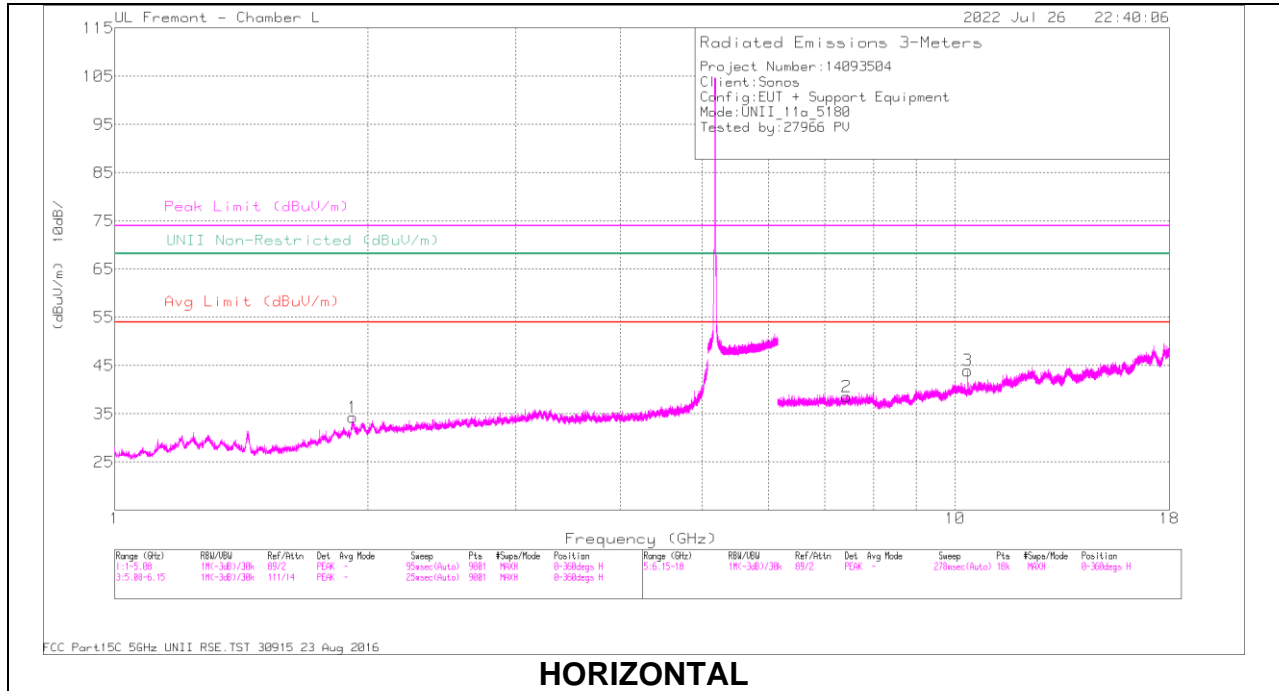
Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dBm) | Amp/Ctrl/Pwr (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 | * 5150 | 59.28 | Pk | 34.4 | -30.0 | 0 | 62.78 | - | - | 74 | -11.22 | 308 | 158 | V |
| 2 | * 5149.399 | 60.15 | Pk | 34.4 | -30.0 | 0 | 63.65 | - | - | 74 | -10.35 | 308 | 158 | V |
| 3 | * 5150 | 46.5 | RMS | 34.4 | -30.0 | 1.05 | 51.05 | 54 | -2.95 | - | - | 308 | 158 | V |
| 4 | * 5149.754 | 47.44 | RMS | 34.4 | -30.0 | 1.05 | 51.99 | 54 | -2.01 | - | - | 308 | 158 | V |

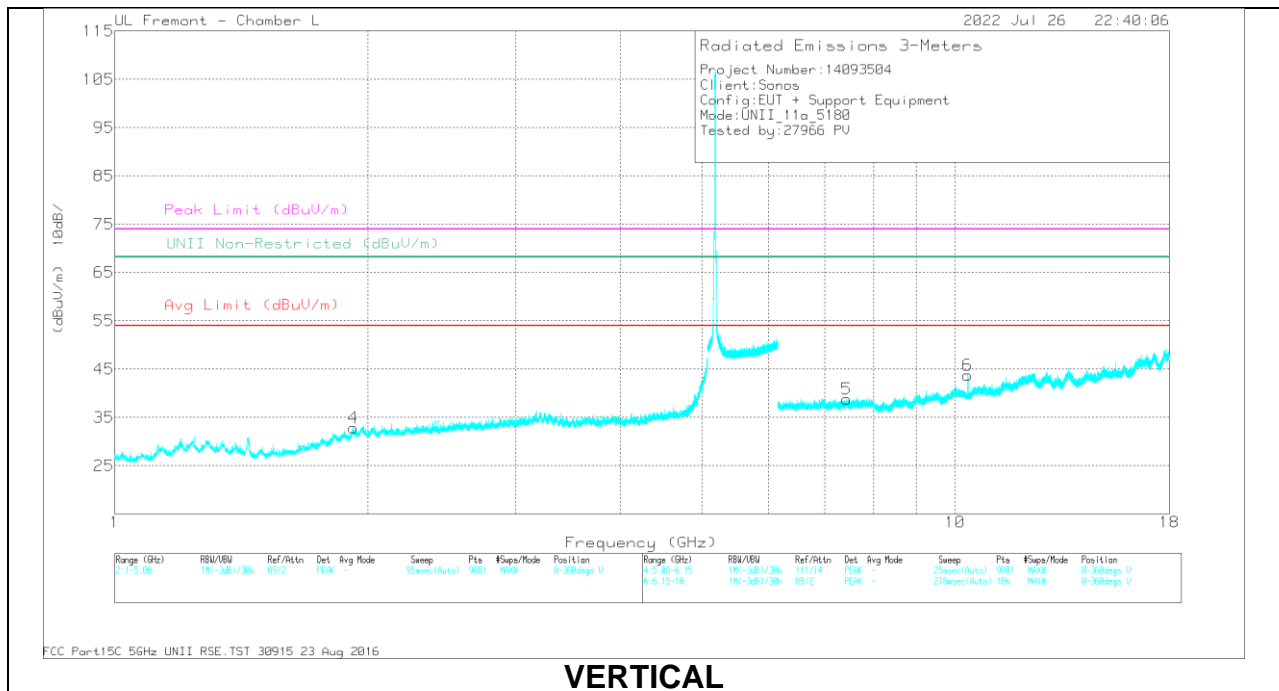
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

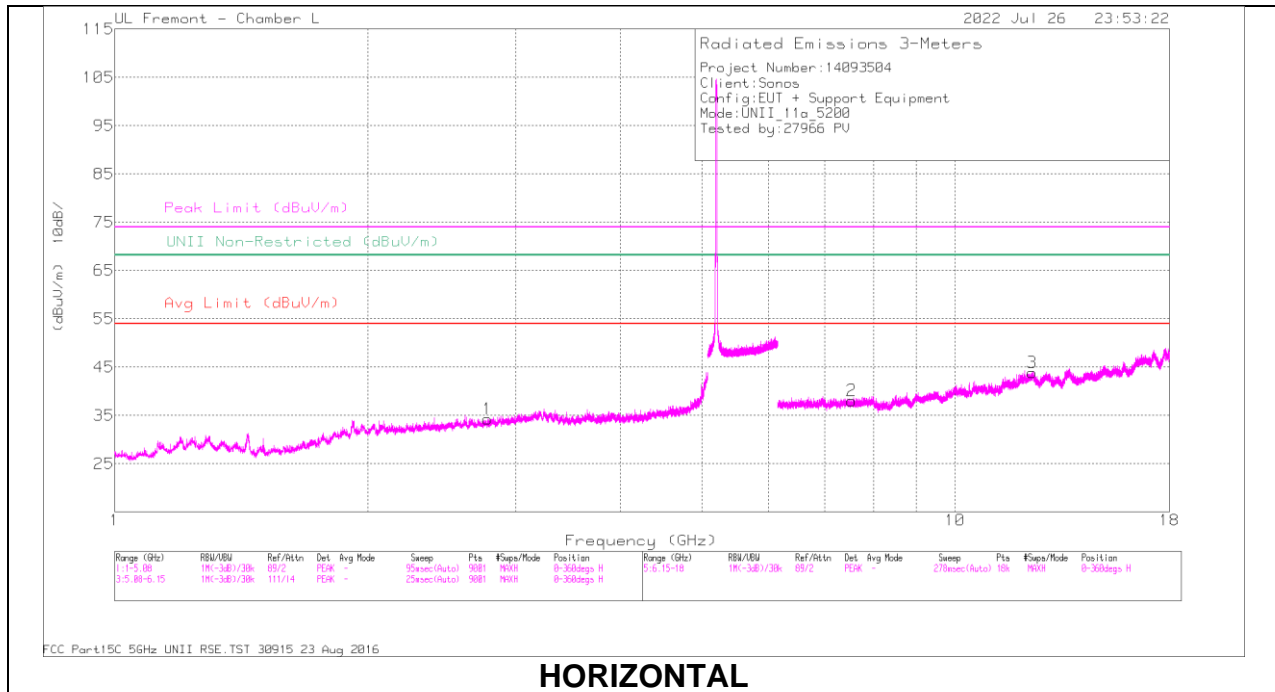
| Marker | Frequency (MHz) | Meas Reading (dBuV) | Det | 8077 ACF (dB) | Amp/Cb/Ftr (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limt (dBuV/m) | Margin (dB) | Peak Limt (dBuV/m) | PK Margin (dB) | Limit Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (m) | Polarity |
|--------|-----------------|---------------------|------|---------------|-----------------|--------------|----------------------------|-------------------|-------------|--------------------|----------------|-------------------------------|----------------|----------------|------------|----------|
| 1 | 1.920083 | 50.26 | PK-U | 31.5 | -31.2 | 0 | 50.56 | - | - | - | - | 68.2 | -17.64 | 245 | 112 | H |
| 2 | * 7.438889 | 33.49 | PK-U | 35.9 | -22.5 | 0 | 46.89 | - | - | 74 | -27.11 | - | - | 327 | 104 | H |
| | * 7.437566 | 21.93 | ADR | 36 | -22.5 | 1.05 | 36.48 | 54 | -17.52 | - | - | - | - | 327 | 104 | H |
| 3 | 10.357567 | 33.85 | PK-U | 37.6 | -18.8 | 0 | 52.65 | - | - | - | - | 68.2 | -15.55 | 5 | 102 | H |
| 4 | 1.920125 | 47.3 | PK-U | 31.5 | -31.2 | 0 | 47.6 | - | - | - | - | 68.2 | -20.6 | 43 | 105 | V |
| 5 | * 7.439926 | 33.86 | PK-U | 36 | -22.5 | 0 | 47.36 | - | - | 74 | -26.64 | - | - | 141 | 102 | V |
| | * 7.431113 | 22.27 | ADR | 35.9 | -22.5 | 1.05 | 36.72 | 54 | -17.28 | - | - | - | - | 141 | 102 | V |
| 6 | 10.356693 | 34.6 | PK-U | 37.7 | -18.8 | 0 | 53.5 | - | - | - | - | 68.2 | -14.7 | 234 | 101 | V |

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

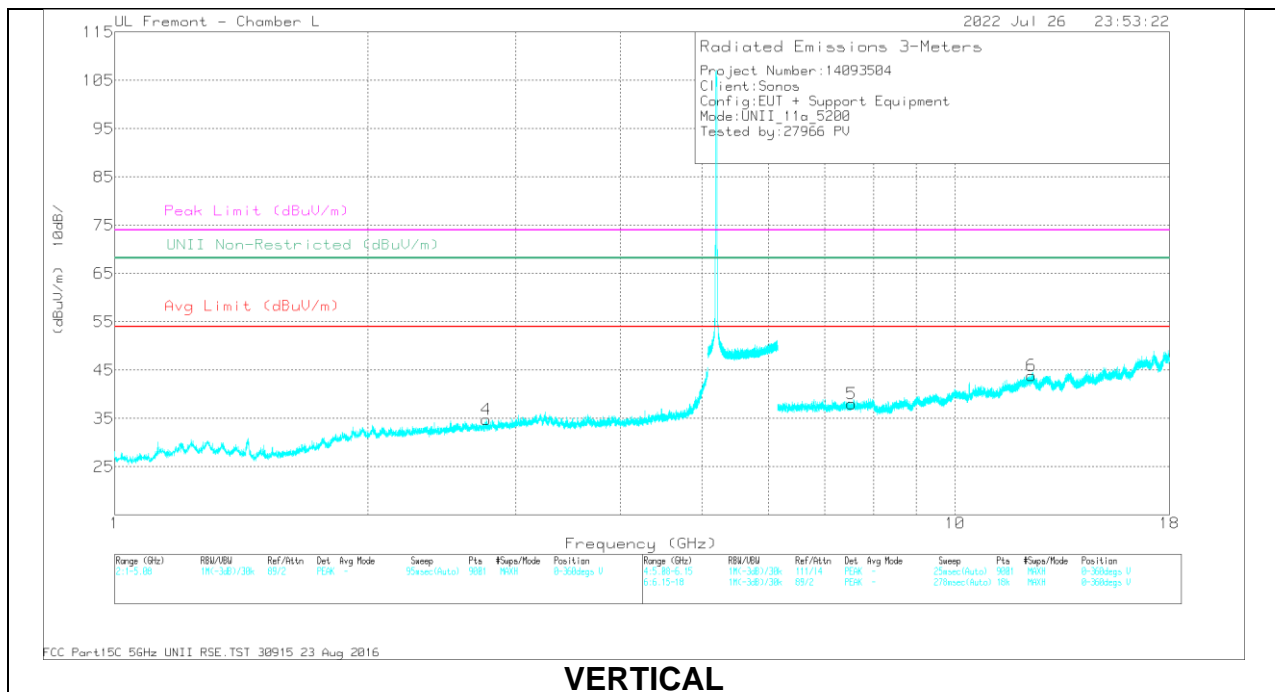
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

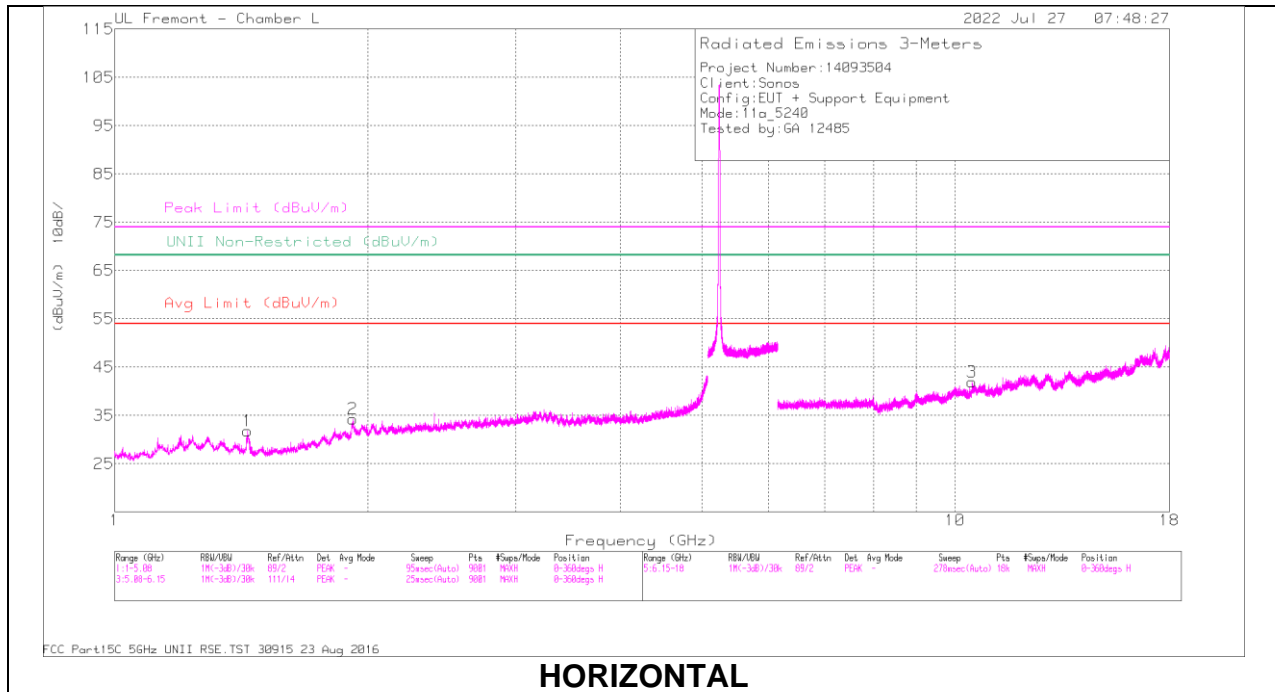
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 80707 ACF (dB) | Amp/Cbl/Filtr (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polariz |
|--------|-----------------|----------------------|------|----------------|--------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|---------|
| 1 | * 2.777123 | 39.7 | PK-U | 32.7 | -29.2 | 0 | 43.2 | - | - | 74 | -30.8 | - | - | 244 | 102 | H |
| | * 2.777423 | 28.06 | ADR | 32.7 | -29.2 | 1.05 | 32.61 | 54 | -21.39 | - | - | - | - | 244 | 102 | H |
| 2 | * 7.532209 | 34.73 | PK-U | 35.9 | -22.9 | 0 | 47.73 | - | - | 74 | -26.27 | - | - | 125 | 101 | H |
| | * 7.532337 | 23.02 | ADR | 35.9 | -22.9 | 1.05 | 37.07 | 54 | -16.93 | - | - | - | - | 128 | 101 | H |
| 3 | * 12.355578 | 32.49 | PK-U | 39.4 | -18.4 | 0 | 53.49 | - | - | 74 | -20.51 | - | - | 358 | 101 | H |
| | * 12.354403 | 20.51 | ADR | 39.4 | -18.4 | 1.05 | 42.46 | 54 | -11.54 | - | - | - | - | 358 | 101 | H |
| 4 | * 2.770757 | 39.89 | PK-U | 32.6 | -29.2 | 0 | 43.29 | - | - | 74 | -30.71 | - | - | 270 | 106 | V |
| | * 2.769031 | 28.37 | ADR | 32.7 | -29.3 | 1.05 | 32.82 | 54 | -21.18 | - | - | - | - | 270 | 106 | V |
| 5 | * 7.534517 | 34.18 | PK-U | 36 | -22.9 | 0 | 47.28 | - | - | 74 | -26.72 | - | - | 300 | 102 | V |
| | * 7.534138 | 22.82 | ADR | 36 | -22.9 | 1.05 | 36.77 | 54 | -12.23 | - | - | - | - | 300 | 102 | V |
| 6 | * 12.327315 | 32.08 | PK-U | 39.4 | -18.3 | 0 | 53.18 | - | - | 74 | -20.82 | - | - | 41 | 101 | V |
| | * 12.327299 | 20.59 | ADR | 39.4 | -18.3 | 1.05 | 42.74 | 54 | -11.26 | - | - | - | - | 41 | 101 | V |

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

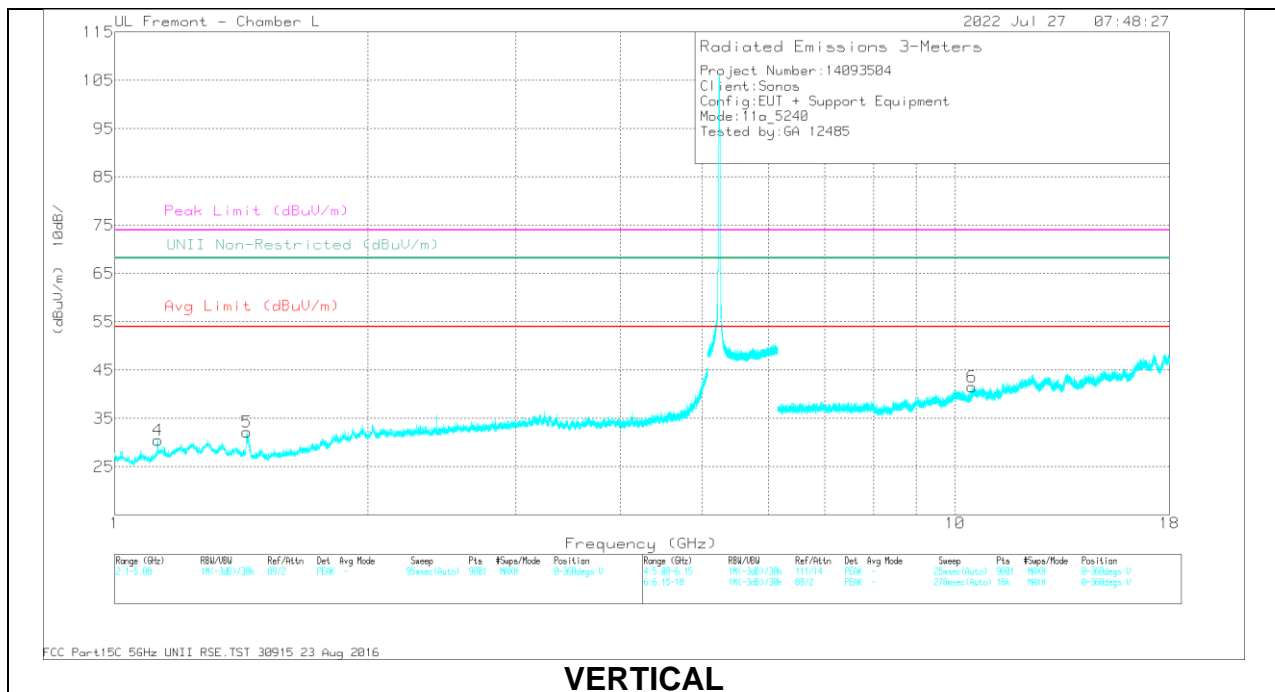
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (MHz) | Meas Reading (dBuV) | Det | 80/97 ACF (dB) | Amplitude (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNI Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (m) | Polarity |
|--------|-----------------|---------------------|------|----------------|----------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|-----------------------------|----------------|----------------|------------|----------|
| 1 | * 1.440204 | 54.44 | PK-U | 28.4 | -32.6 | 0 | 50.74 | - | - | 74 | -23.76 | - | - | 68 | 118 | H |
| | * 1.439919 | 34.37 | ADR | 28.4 | -32.6 | 1.05 | 31.22 | 54 | -22.78 | - | - | - | - | 68 | 118 | H |
| | 1.920378 | 50.45 | PK-U | 31.5 | -31.2 | 0 | 50.75 | - | - | - | - | 68.2 | -17.45 | 61 | 109 | H |
| 2 | 1.919869 | 32.39 | ADR | 31.5 | -31.2 | 1.05 | 33.74 | - | - | - | - | - | - | 61 | 109 | H |
| | 10.472696 | 31.5 | PK-U | 37.7 | -19 | 0 | 59.2 | - | - | - | - | 68.2 | -18 | 78 | 105 | H |
| | 10.472646 | 19.16 | ADR | 37.7 | -19 | 1.05 | 38.91 | - | - | - | - | - | - | 78 | 105 | H |
| 3 | * 1.124721 | 44.41 | PK-U | 28.9 | -33.4 | 0 | 39.91 | - | - | 74 | -34.09 | - | - | 229 | 146 | V |
| | * 1.125051 | 34.22 | ADR | 28.9 | -33.4 | 1.05 | 30.77 | 54 | -23.23 | - | - | - | - | 229 | 146 | V |
| | * 1.43622 | 48.43 | PK-U | 28.4 | -32.6 | 0 | 44.23 | - | - | 74 | -28.77 | - | - | 219 | 101 | V |
| 4 | * 1.44009 | 33.41 | ADR | 28.4 | -32.6 | 1.05 | 30.26 | 54 | -23.74 | - | - | - | - | 219 | 101 | V |
| | 10.478675 | 31.16 | PK-U | 37.7 | -19 | 0 | 49.86 | - | - | - | - | 68.2 | -18.34 | 174 | 107 | V |
| | 10.477325 | 19.14 | ADR | 37.7 | -19.1 | 1.05 | 38.79 | - | - | - | - | - | - | 174 | 107 | V |

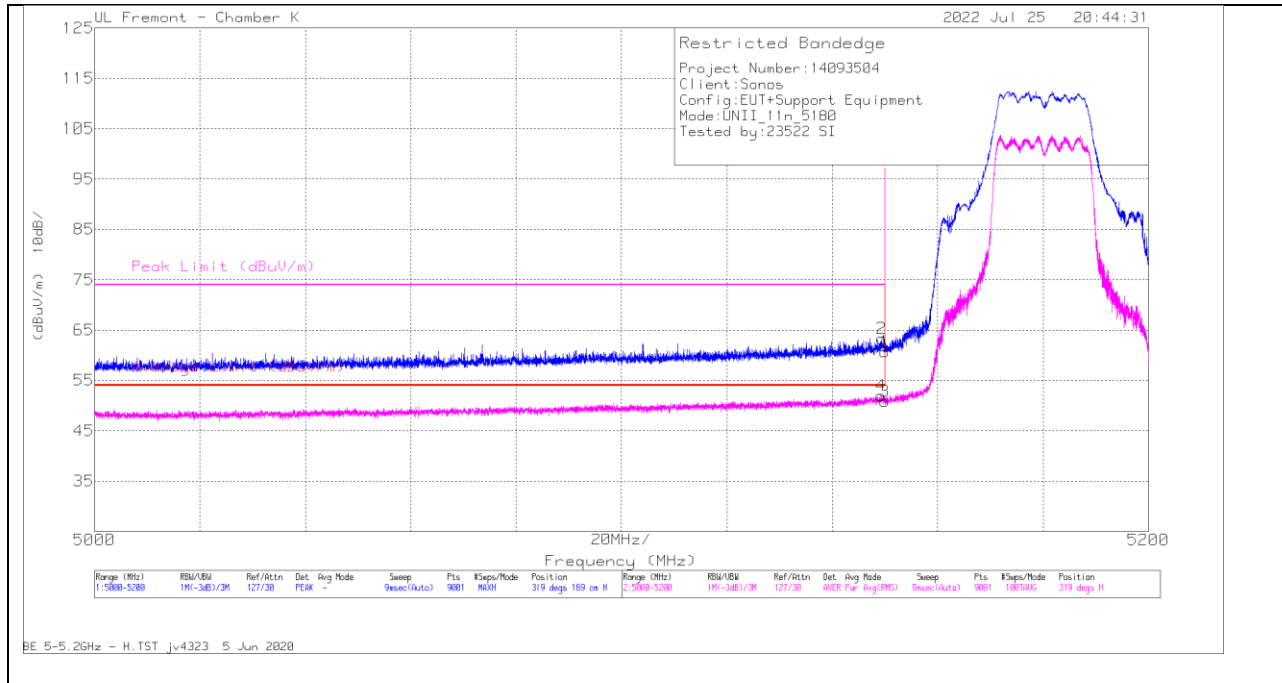
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

10.1.2. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.2 GHz BAND

2TX Antenna 2 + Antenna 4 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

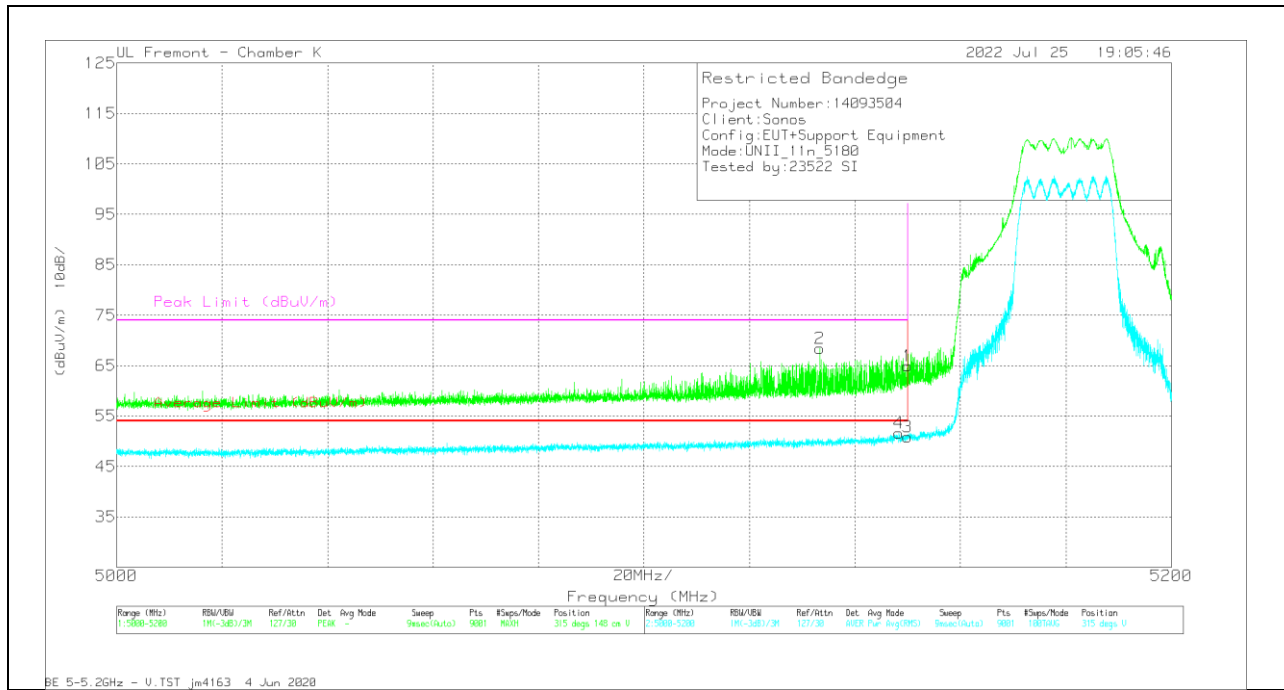


Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dB/m) | Amp/Cbl/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) | Polariz |
|--------|-----------------|----------------------|-----|-----------------|------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|---------|
| 1 | * 5150 | 57.19 | Pk | 34.4 | -30.9 | 0 | 60.69 | - | - | 74 | -13.31 | 319 | 169 | H |
| 2 | * 5149.332 | 59.81 | Pk | 34.4 | -30.9 | 0 | 63.31 | - | - | 74 | -10.69 | 319 | 169 | H |
| 3 | * 5150 | 46.29 | RMS | 34.4 | -30.9 | 1.11 | 50.9 | 54 | -3.1 | - | - | 319 | 169 | H |
| 4 | * 5149.221 | 47.39 | RMS | 34.4 | -30.9 | 1.11 | 52 | 54 | -2 | - | - | 319 | 169 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



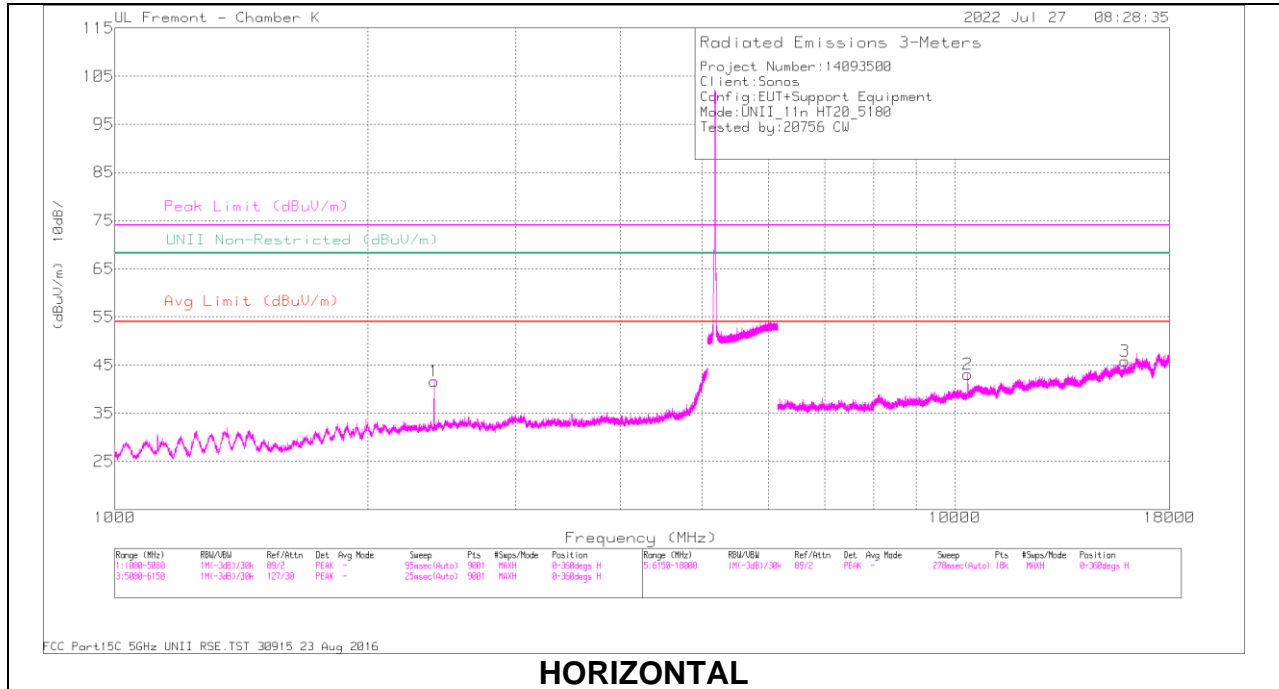
Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dB/m) | Amp/Cbl/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 | * 5150 | 61.41 | Pk | 34.4 | -30.9 | 0 | 64.91 | - | - | 74 | -9.09 | 315 | 148 | V |
| 2 | * 5133.354 | 64.9 | Pk | 34.3 | -30.8 | 0 | 68.4 | - | - | 74 | -5.6 | 315 | 148 | V |
| 3 | * 5150 | 46.28 | RMS | 34.4 | -30.9 | 1.11 | 50.89 | 54 | -3.11 | - | - | 315 | 148 | V |
| 4 | * 5148.332 | 46.87 | RMS | 34.4 | -30.8 | 1.11 | 51.58 | 54 | -2.42 | - | - | 315 | 148 | V |

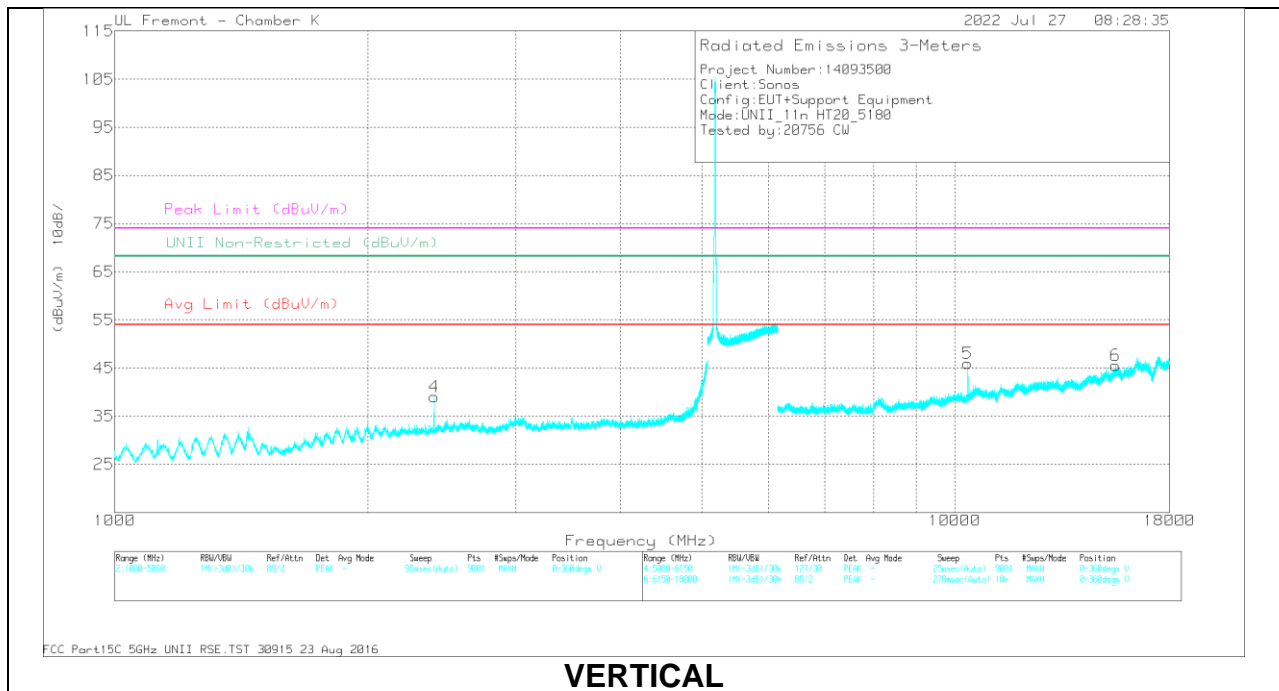
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

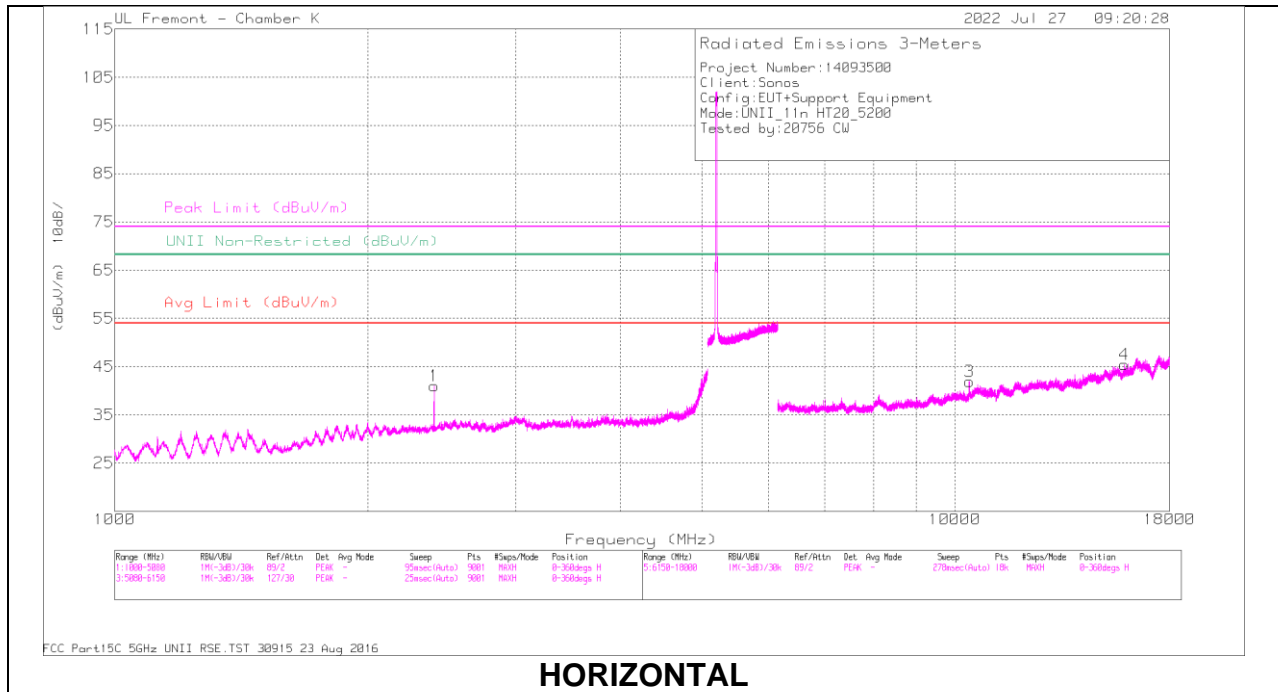
| Marker | Frequency (MHz) | Meter Reading (dBµV) | Det | AF 80404 (dB/m) | Amp/Cbl/Fitr (dB) | DC Corr (dB) | Corrected Reading (dBµV/m) | Avg Limit (dBµV/m) | Margin (dB) | Peak Limit (dBµV/m) | PK Margin (dB) | UNII Non-Restricted (dBµV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|-----------------|-------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | 2400.232 | 64.74 | PK-U | 32 | -44.6 | 0 | 52.14 | - | - | - | - | 68.2 | -16.06 | 280 | 120 | H |
| | 2400.024 | 55.72 | ADR | 32 | -44.6 | 1.11 | 44.23 | - | - | - | - | - | - | 280 | 120 | H |
| 4 | 2399.653 | 60.96 | PK-U | 32 | -44.6 | 0 | 48.36 | - | - | - | - | 68.2 | -19.84 | 172 | 127 | V |
| | 2400.048 | 51.81 | ADR | 32 | -44.6 | 1.11 | 40.32 | - | - | - | - | - | - | 172 | 127 | V |
| 2 | 10360.276 | 53.6 | PK-U | 37.7 | -36.8 | 0 | 54.5 | - | - | - | - | 68.2 | -13.7 | 205 | 102 | H |
| | 10360.048 | 39.86 | ADR | 37.7 | -36.9 | 1.11 | 41.77 | - | - | - | - | - | - | 205 | 102 | H |
| 3 | * 15934.429 | 46.49 | PK-U | 40.6 | -33.1 | 0 | 53.99 | - | - | 74 | -20.01 | - | - | 332 | 333 | H |
| | * 15934.277 | 34.48 | ADR | 40.6 | -33.1 | 1.11 | 43.09 | 54 | -10.91 | - | - | - | - | 332 | 333 | H |
| 5 | 10357.153 | 53.9 | PK-U | 37.7 | -36.9 | 0 | 54.7 | - | - | - | - | 68.2 | -13.5 | 142 | 201 | V |
| | 10358.436 | 40.6 | ADR | 37.7 | -36.8 | 1.11 | 42.61 | - | - | - | - | - | - | 142 | 201 | V |
| 6 | * 15535.954 | 50.38 | PK-U | 40.7 | -33.5 | 0 | 57.58 | - | - | 74 | -16.42 | - | - | 261 | 100 | V |
| | * 15535.825 | 36.6 | ADR | 40.8 | -33.5 | 1.11 | 45.01 | 54 | -8.99 | - | - | - | - | 261 | 100 | V |

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

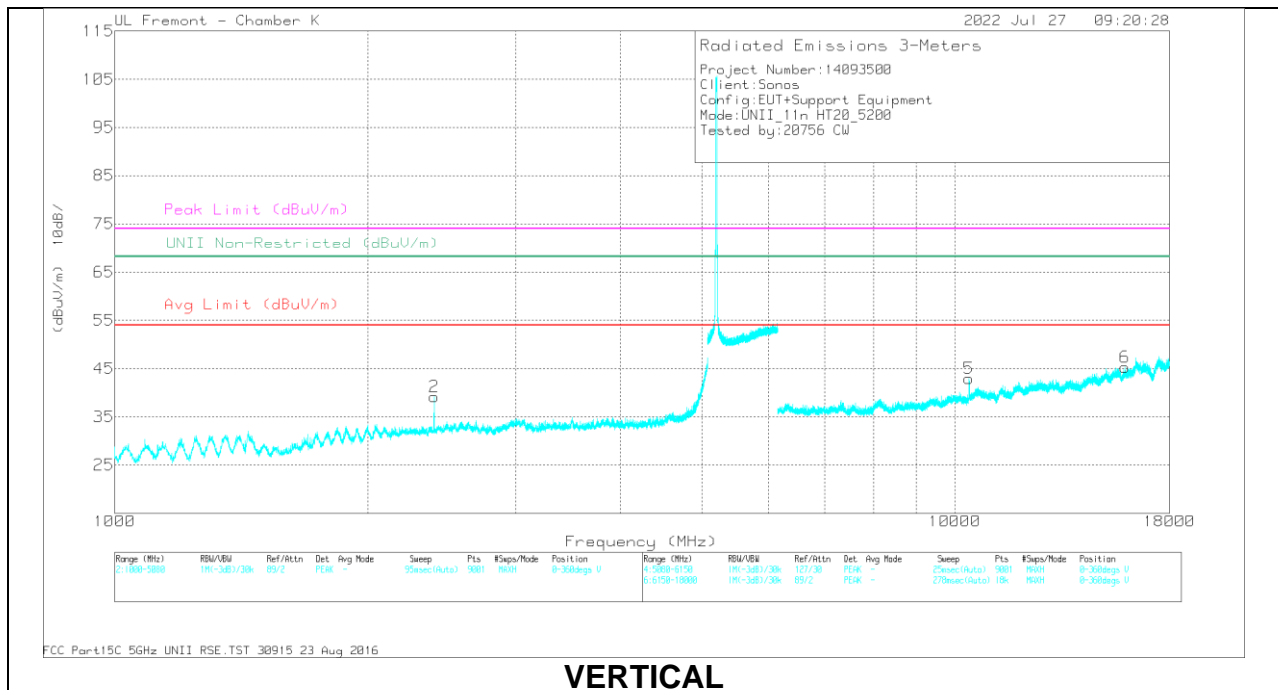
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



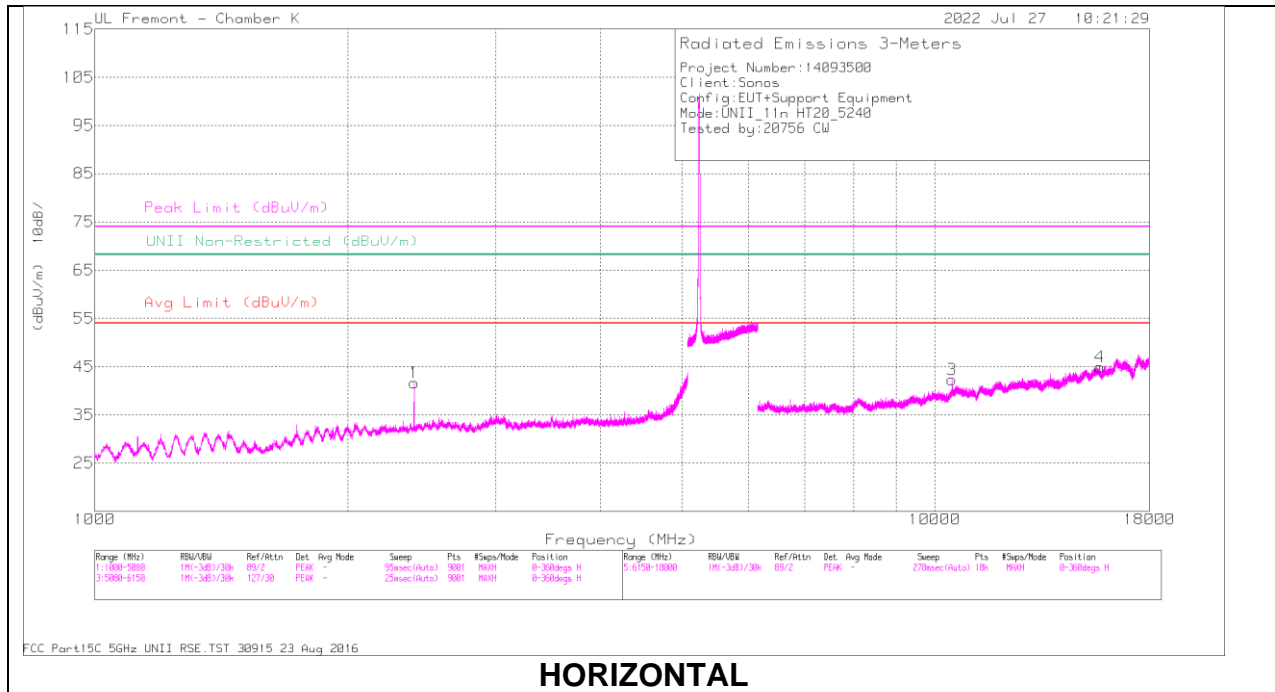
VERTICAL

RADIATED EMISSIONS

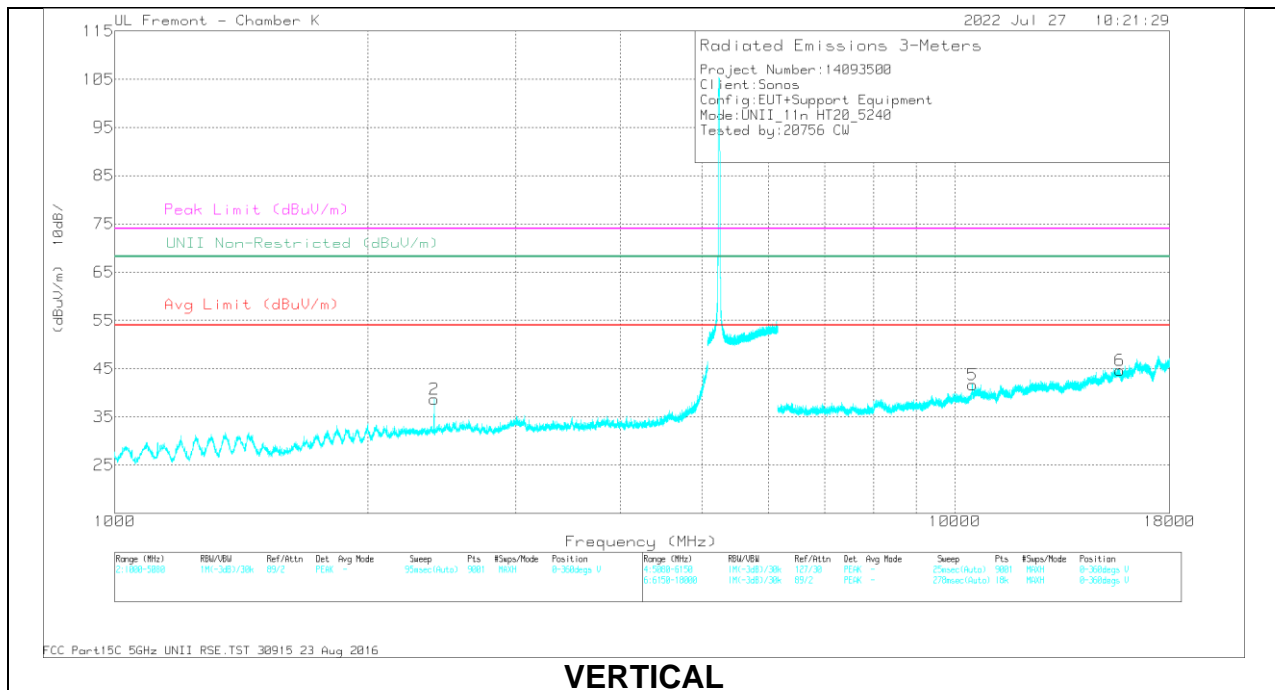
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dBm) | Amp/CbU/Fitr (dB) | DC Corr (dB) | Correct ed Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimu th (Degs) | Heig ht (cm) | Polari ty |
|--------|-----------------|----------------------|------|----------------|-------------------|--------------|-----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-----------------|--------------|-----------|
| 1 | 2400.216 | 64.63 | PK-U | 32 | -44.6 | 0 | 52.03 | - | - | - | - | 68.2 | -16.17 | 280 | 122 | H |
| | 2400.02 | 55.73 | ADR | 32 | -44.6 | 1.11 | 44.24 | - | - | - | - | - | - | 280 | 122 | H |
| | 2400.432 | 61.63 | PK-U | 32 | -44.7 | 0 | 48.93 | - | - | - | - | 68.2 | -19.27 | 172 | 103 | V |
| 2 | 2400.012 | 51.91 | ADR | 32 | -44.6 | 1.11 | 40.42 | - | - | - | - | - | - | 172 | 103 | V |
| | 10403.321 | 54.01 | PK-U | 37.8 | -36.8 | 0 | 55.01 | - | - | - | - | 68.2 | -13.19 | 291 | 215 | H |
| | 10403.84 | 40.73 | ADR | 37.8 | -36.8 | 1.11 | 42.84 | - | - | - | - | - | - | 291 | 215 | H |
| 4 | *15936.621 | 48.46 | PK-U | 40.6 | -32.9 | 0 | 54.06 | - | - | 74 | -19.94 | - | - | 132 | 209 | H |
| | *15936.692 | 34.49 | ADR | 40.6 | -32.9 | 1.11 | 43.2 | 54 | -10.8 | - | - | - | - | 132 | 209 | H |
| | 10401.061 | 55.31 | PK-U | 37.8 | -36.9 | 0 | 56.21 | - | - | - | - | 68.2 | -11.99 | 137 | 190 | V |
| 5 | 10399.391 | 41.77 | ADR | 37.8 | -36.9 | 1.11 | 43.78 | - | - | - | - | - | - | 137 | 190 | V |
| | *15936.788 | 48.82 | PK-U | 40.6 | -33 | 0 | 54.42 | - | - | 74 | -19.58 | - | - | 142 | 205 | V |
| 6* | *15936.774 | 34.71 | ADR | 40.6 | -33 | 1.11 | 43.42 | 54 | -10.58 | - | - | - | - | 142 | 205 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (MHz) | Meter Reading (dBµV) | Det | AF 80404 (dB/m) | Amp/Cbl/Fitr (dB) | DC Corr (dB) | Corrected Reading (dBµV/m) | Avg Limit (dBµV/m) | Margin (dB) | Peak Limit (dBµV/m) | PK Margin (dB) | UNII Non-Restricted (dBµV/m) | PK Margin (dB) | Azimu th (Degs) | Heig ht (cm) | Polari ty |
|--------|-----------------|----------------------|------|-----------------|-------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-----------------|--------------|-----------|
| 1 | 2400.072 | 64.64 | PK-U | 32 | -44.6 | 0 | 52.04 | - | - | - | - | 68.2 | -16.16 | 277 | 124 | H |
| | 2400.152 | 55.45 | ADR | 32 | -44.6 | 1.11 | 43.96 | - | - | - | - | - | - | 277 | 124 | H |
| 2 | 2400.27 | 60.99 | PK-U | 32 | -44.6 | 0 | 48.39 | - | - | - | - | 68.2 | -19.81 | 176 | 103 | V |
| | 2400.006 | 51.68 | ADR | 32 | -44.6 | 1.11 | 40.19 | - | - | - | - | - | - | 176 | 103 | V |
| 3 | 10483.147 | 52.48 | PK-U | 37.9 | -36.7 | 0 | 53.68 | - | - | - | - | 68.2 | -14.52 | 143 | 261 | H |
| | 10483.474 | 39.6 | ADR | 37.9 | -36.6 | 1.11 | 42.01 | - | - | - | - | - | - | 143 | 261 | H |
| 4 | *15720.359 | 47.29 | PK-U | 40.6 | -33.4 | 0 | 54.49 | - | - | 74 | -19.51 | - | - | 133 | 301 | H |
| | *15720.313 | 35.6 | ADR | 40.6 | -33.4 | 1.11 | 43.91 | 54 | -10.09 | - | - | - | - | 133 | 301 | H |
| 5 | 10486.459 | 52.61 | PK-U | 38 | -36.8 | 0 | 53.81 | - | - | - | - | 68.2 | -14.39 | 156 | 237 | V |
| | 10486.313 | 39.06 | ADR | 38 | -36.8 | 1.11 | 41.37 | - | - | - | - | - | - | 156 | 237 | V |
| 6 | *15714.342 | 49.79 | PK-U | 40.6 | -33.5 | 0 | 56.89 | - | - | 74 | -17.11 | - | - | 118 | 241 | V |
| | *15714.344 | 36.89 | ADR | 40.6 | -33.5 | 1.11 | 44.1 | 54 | -9.9 | - | - | - | - | 118 | 241 | V |

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

PK-U - U-NII: Maximum Peak

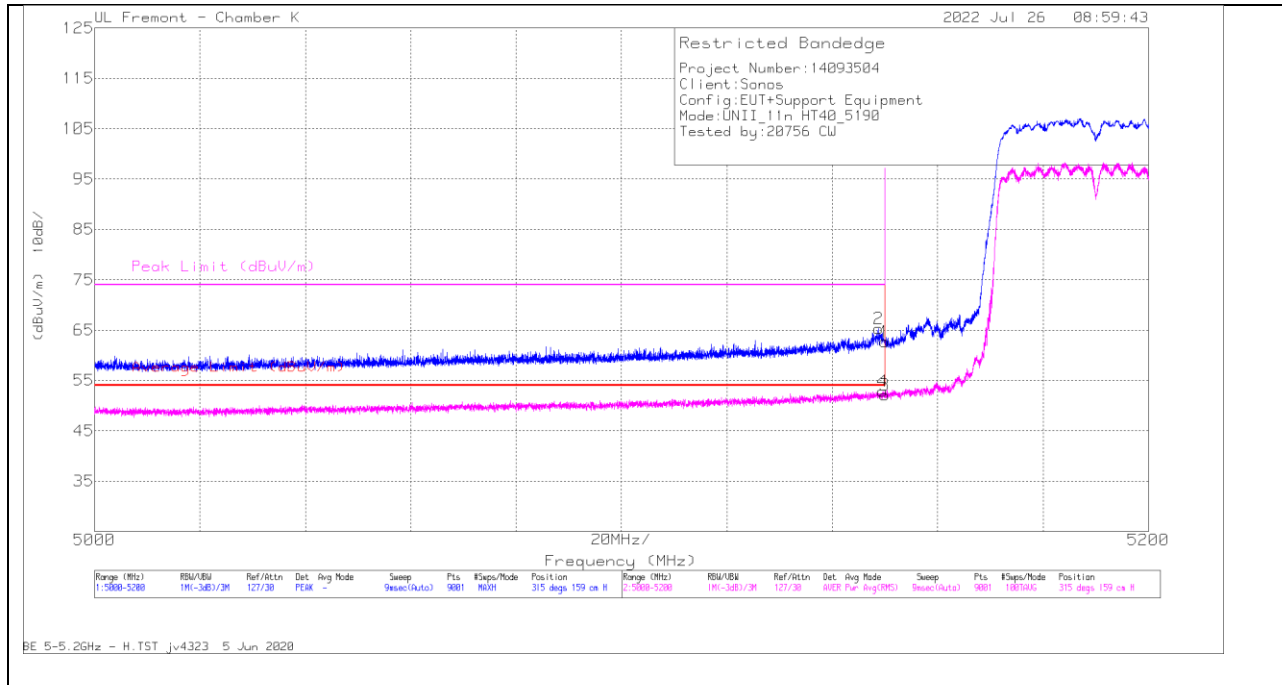
ADR - U-NII AD primary method, RMS average

10.1.3. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.2 GHz BAND

2TX Antenna 2 + Antenna 4 CDD MODE

BANDEDGE (LOW CHANNEL)

HORIZONTAL RESULT

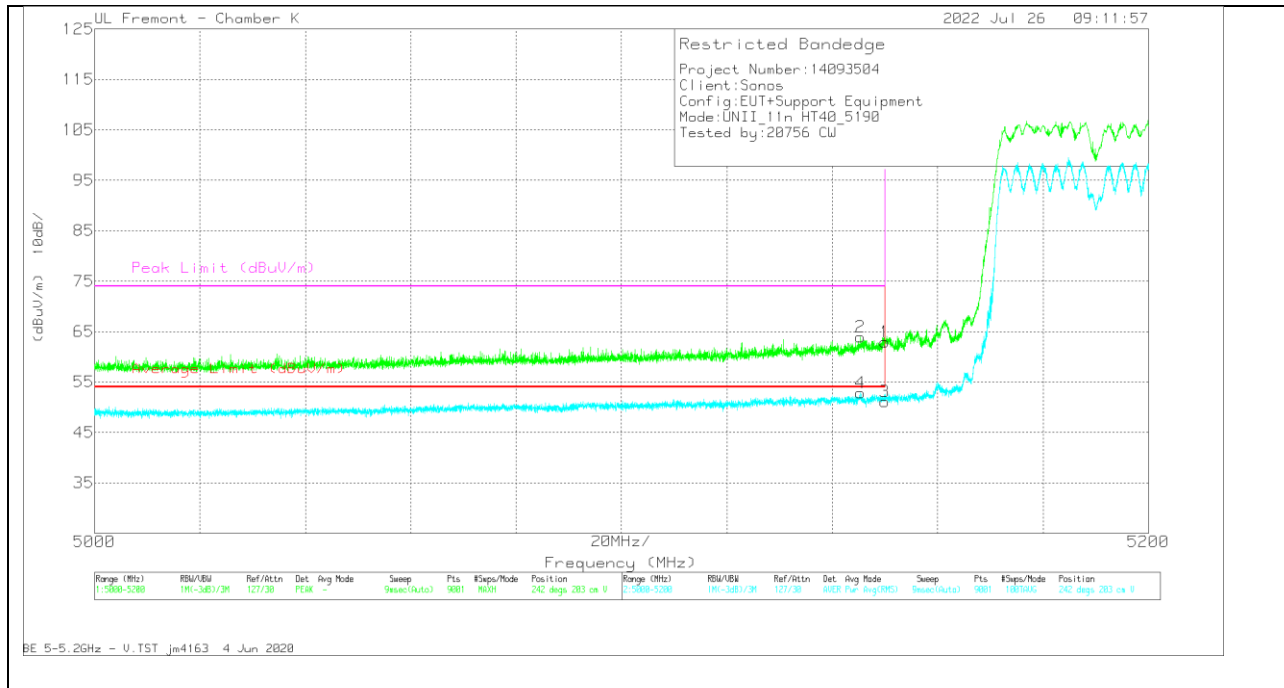


Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 90404 (dB/m) | Amp/Cb/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 | * 5150 | 59.22 | Pk | 34.4 | -30.9 | 0 | 62.72 | - | - | 74 | -11.28 | 315 | 159 | H |
| 2 | * 5148.821 | 61.77 | Pk | 34.4 | -30.9 | 0 | 65.27 | - | - | 74 | -8.73 | 315 | 159 | H |
| 3 | * 5150 | 46.59 | RMS | 34.4 | -30.9 | 2.07 | 52.16 | 54 | -1.84 | - | - | 315 | 159 | H |
| 4 | * 5149.654 | 47.24 | RMS | 34.4 | -30.9 | 2.07 | 52.81 | 54 | -1.19 | - | - | 315 | 159 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dB/m) | Amp/Cbl/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 | * 5150 | 59.46 | Pk | 34.4 | -30.9 | 0 | 62.96 | - | - | 74 | -11.04 | 242 | 203 | V |
| 2 | * 5145.354 | 60.32 | Pk | 34.4 | -30.8 | 0 | 63.92 | - | - | 74 | -10.08 | 242 | 203 | V |
| 3 | * 5150 | 45.57 | RMS | 34.4 | -30.9 | 2.07 | 51.14 | 54 | -2.86 | - | - | 242 | 203 | V |
| 4 | * 5145.354 | 47.18 | RMS | 34.4 | -30.8 | 2.07 | 52.85 | 54 | -1.15 | - | - | 242 | 203 | V |

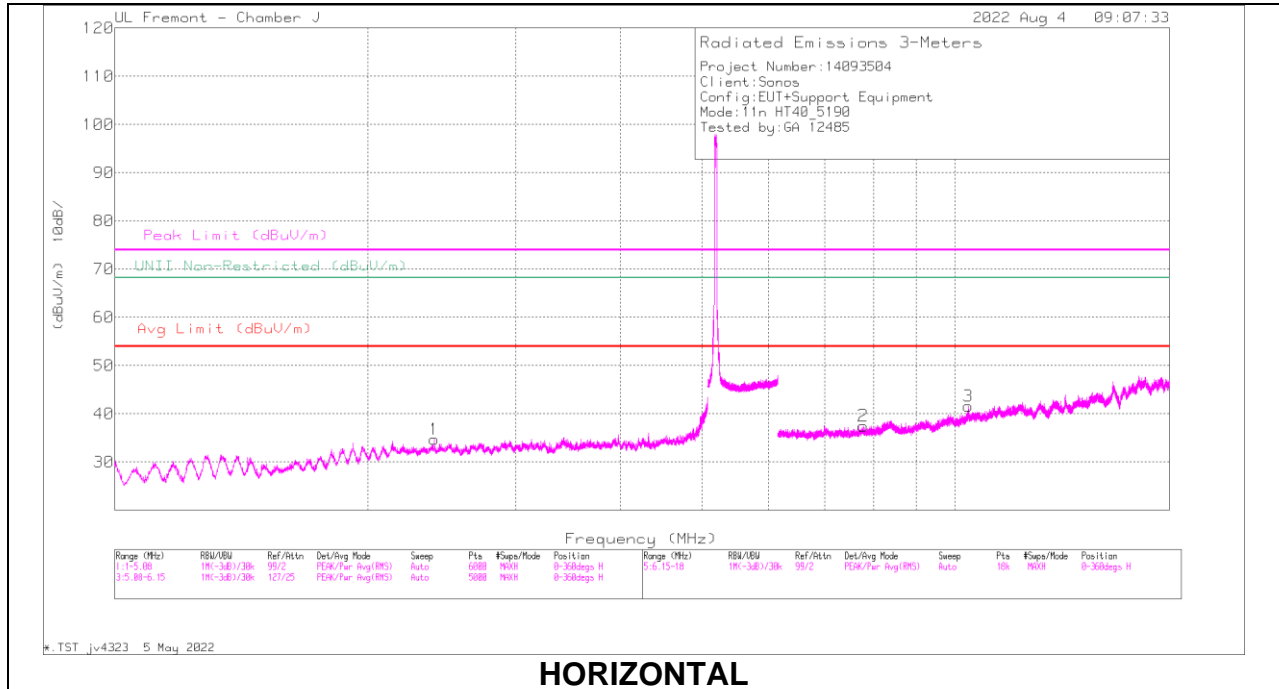
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

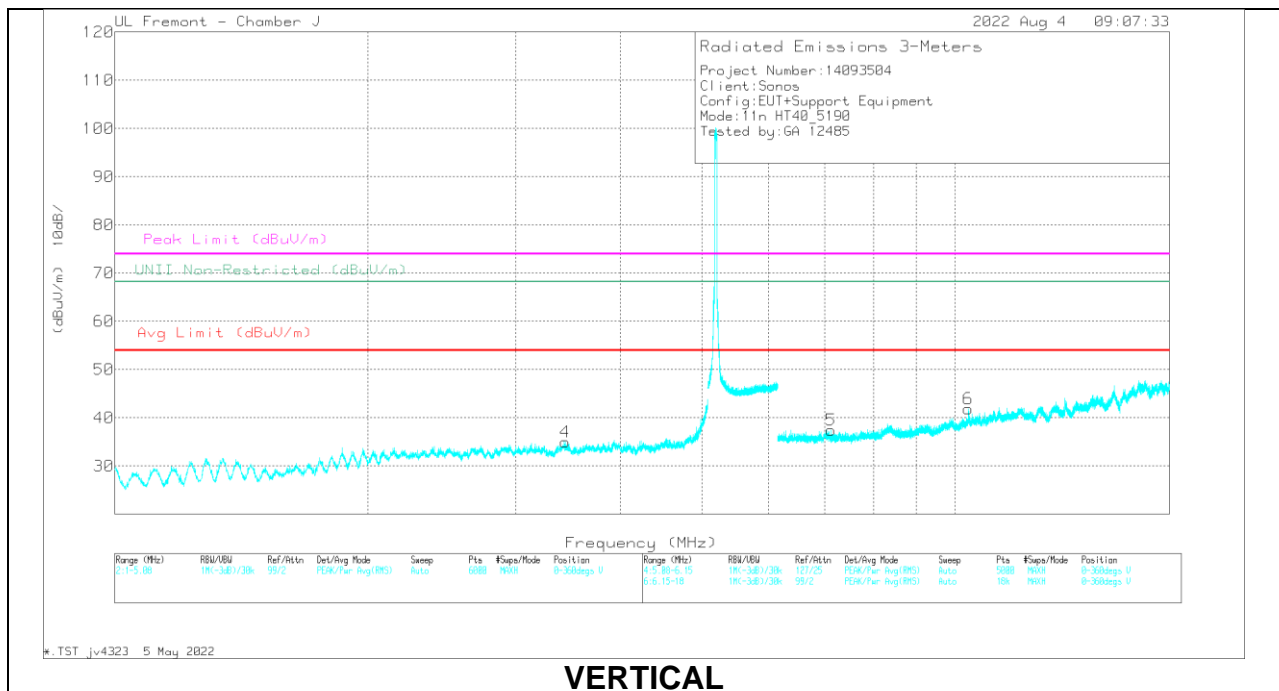
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



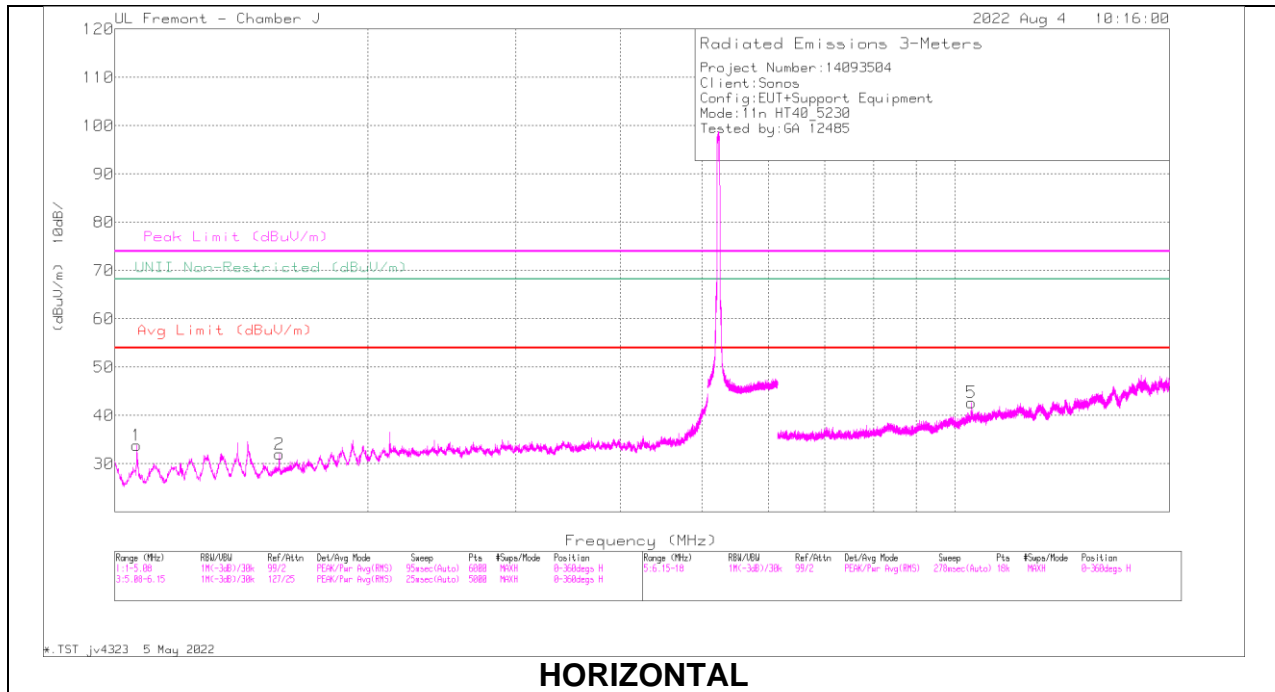
VERTICAL

RADIATED EMISSIONS

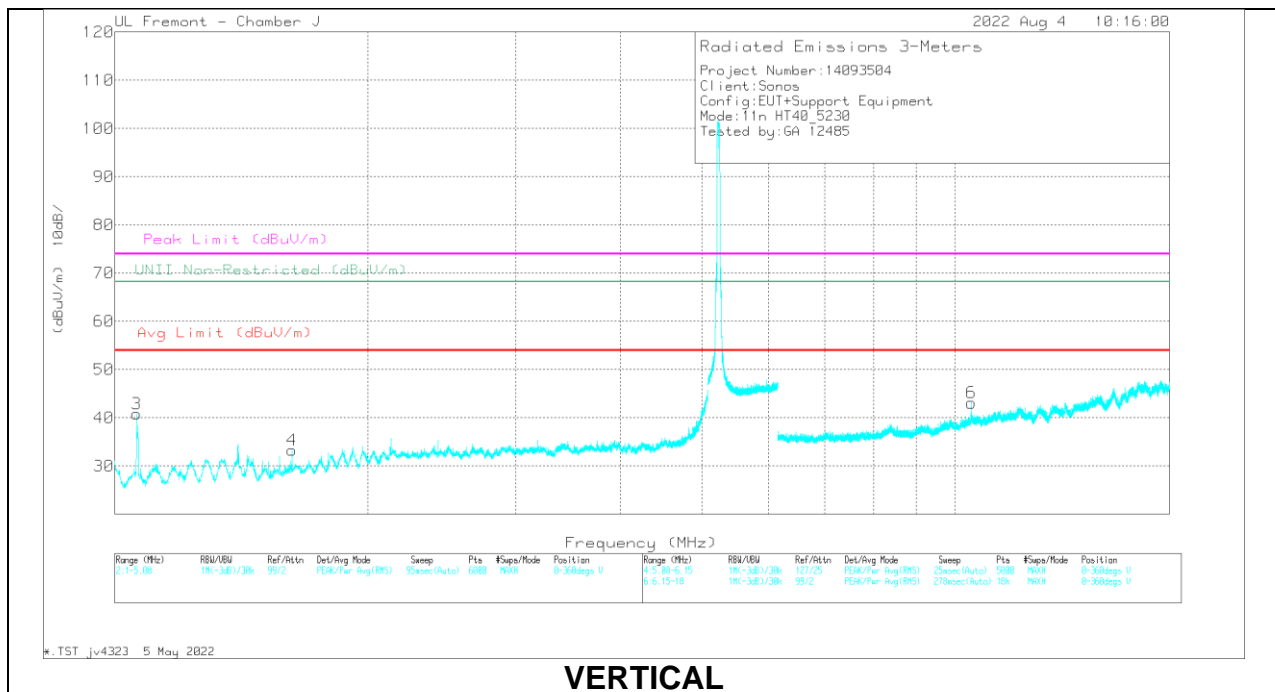
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 206806 (dB/m) | Amp/Cd/Filt/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|----------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | 2400.185 | 64.33 | PK-U | 32 | -49 | 0 | 47.33 | - | - | - | - | 68.2 | -20.87 | 57 | 320 | H |
| | 2400.037 | 52.33 | ADR | 32 | -49 | 2.07 | 37.4 | - | - | - | - | - | - | 57 | 320 | H |
| 2 | 7779.036 | 56.32 | PK-U | 35.8 | -45.2 | 0 | 46.92 | - | - | - | - | 68.2 | -21.28 | 149 | 135 | H |
| | 7778.197 | 44.36 | ADR | 35.8 | -45.2 | 2.07 | 37.03 | - | - | - | - | - | - | 149 | 135 | H |
| 3 | 10374.184 | 58.62 | PK-U | 37.5 | -45.7 | 0 | 50.42 | - | - | - | - | 68.2 | -17.78 | 352 | 117 | H |
| | 10371.363 | 46.26 | ADR | 37.5 | -45.8 | 2.07 | 40.03 | - | - | - | - | - | - | 352 | 117 | H |
| 4 | 3439.793 | 58.6 | PK-U | 32.6 | -46.4 | 0 | 44.8 | - | - | - | - | 68.2 | -23.4 | 127 | 374 | V |
| | 3437.551 | 46.72 | ADR | 32.6 | -46.4 | 2.07 | 34.99 | - | - | - | - | - | - | 127 | 374 | V |
| 5 | 7120.535 | 56.63 | PK-U | 35.6 | -45.8 | 0 | 46.43 | - | - | - | - | 68.2 | -21.77 | 121 | 104 | V |
| | 7118.753 | 44.93 | ADR | 35.6 | -45.8 | 2.07 | 36.8 | - | - | - | - | - | - | 121 | 104 | V |
| 6 | 10376.672 | 59.06 | PK-U | 37.6 | -45.7 | 0 | 50.96 | - | - | - | - | 68.2 | -17.24 | 216 | 163 | V |
| | 10375.33 | 46.97 | ADR | 37.6 | -45.7 | 2.07 | 40.44 | - | - | - | - | - | - | 216 | 163 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 206806 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | * 1064.519 | 68.69 | PK-U | 26.9 | -49.1 | 0 | 46.49 | - | - | 74 | -27.51 | - | - | 84 | 212 | H |
| | * 1062.69 | 52.35 | ADR | 26.8 | -49.3 | 2.07 | 31.92 | 54 | -22.08 | - | - | - | - | 84 | 212 | H |
| 2 | * 1571.878 | 65.79 | PK-U | 27.7 | -49.1 | 0 | 44.39 | - | - | 74 | -29.61 | - | - | 246 | 348 | H |
| | * 1571.813 | 49.81 | ADR | 27.7 | -49.1 | 2.07 | 30.48 | 54 | -23.52 | - | - | - | - | 246 | 348 | H |
| 3 | * 1062.664 | 71.25 | PK-U | 26.8 | -49.3 | 0 | 48.75 | - | - | 74 | -25.25 | - | - | 191 | 101 | V |
| | * 1064.368 | 55.65 | ADR | 26.8 | -49.2 | 2.07 | 35.32 | 54 | -18.68 | - | - | - | - | 191 | 101 | V |
| 4 | * 1617.96 | 67.11 | PK-U | 28.2 | -49.1 | 0 | 46.21 | - | - | 74 | -27.79 | - | - | 16 | 347 | V |
| | * 1525.19 | 49.65 | ADR | 27.8 | -49.1 | 2.07 | 30.42 | 54 | -23.58 | - | - | - | - | 16 | 347 | V |
| 5 | 10459.613 | 66.46 | PK-U | 37.6 | -45.7 | 0 | 58.36 | - | - | - | - | 68.2 | -9.84 | 355 | 105 | H |
| | 10459.428 | 51.38 | ADR | 37.6 | -45.7 | 2.07 | 45.35 | - | - | - | - | - | - | 355 | 105 | H |
| 6 | 10461.376 | 84.45 | PK-U | 37.6 | -45.7 | 0 | 56.35 | - | - | - | - | 68.2 | -11.85 | 295 | 194 | V |
| | 10459.181 | 50.72 | ADR | 37.6 | -45.7 | 2.07 | 44.69 | - | - | - | - | - | - | 295 | 194 | V |

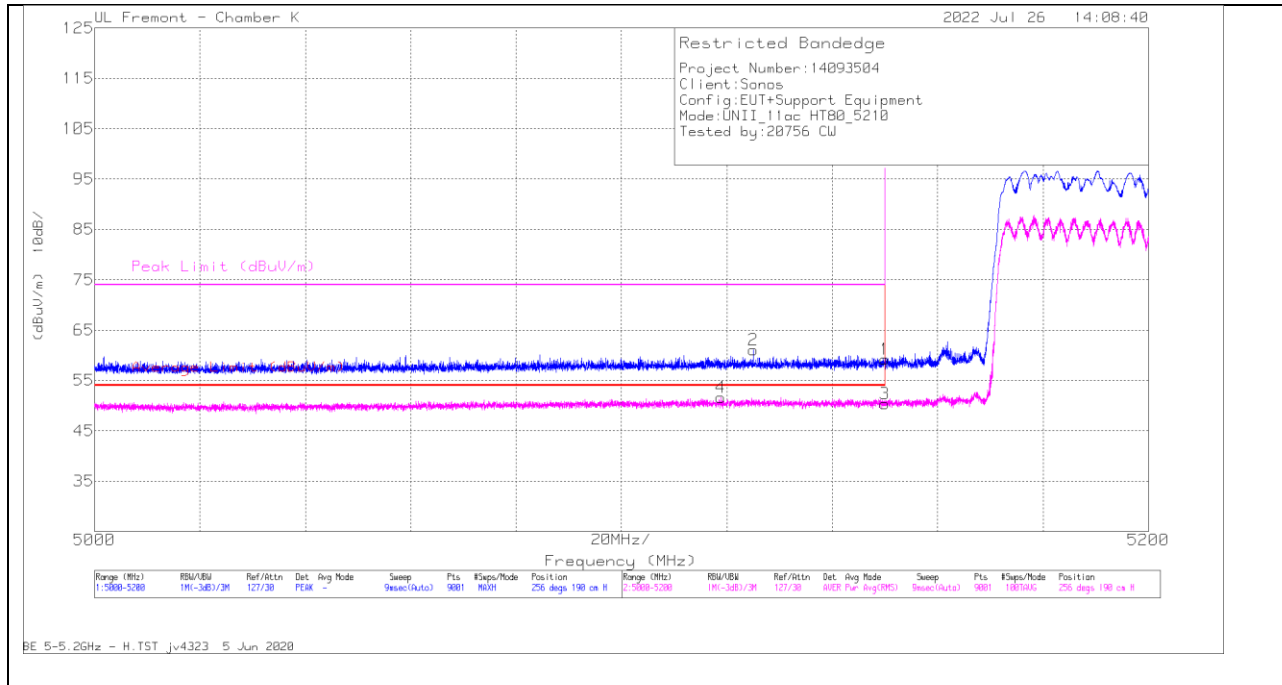
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

10.1.4. TX ABOVE 1 GHz 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

2TX Antenna 2 + Antenna 4 CDD MODE

BANDEDGE (MID CHANNEL)

HORIZONTAL RESULT

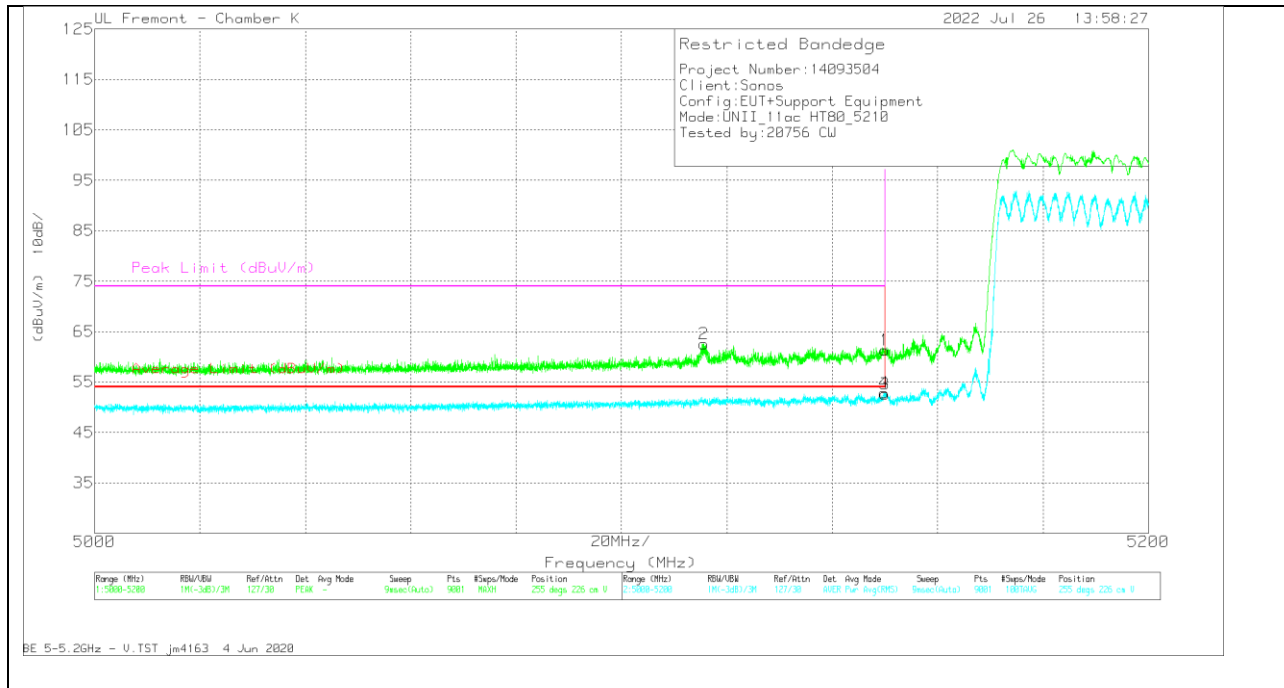


Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dB/m) | Amp/Cbl/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) | Polariz |
|--------|-----------------|----------------------|-----|-----------------|------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|---------|
| 1 | * 5150 | 55.77 | Pk | 34.4 | -30.9 | 0 | 59.27 | - | - | 74 | -14.73 | 256 | 190 | H |
| 2 | * 5124.999 | 57.52 | Pk | 34.3 | -30.8 | 0 | 61.02 | - | - | 74 | -12.98 | 256 | 190 | H |
| 3 | * 5150 | 43.5 | RMS | 34.4 | -30.9 | 3.36 | 50.36 | 54 | -3.64 | - | - | 256 | 190 | H |
| 4 | * 5118.865 | 44.82 | RMS | 34.3 | -30.9 | 3.36 | 51.58 | 54 | -2.42 | - | - | 256 | 190 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

VERTICAL RESULT



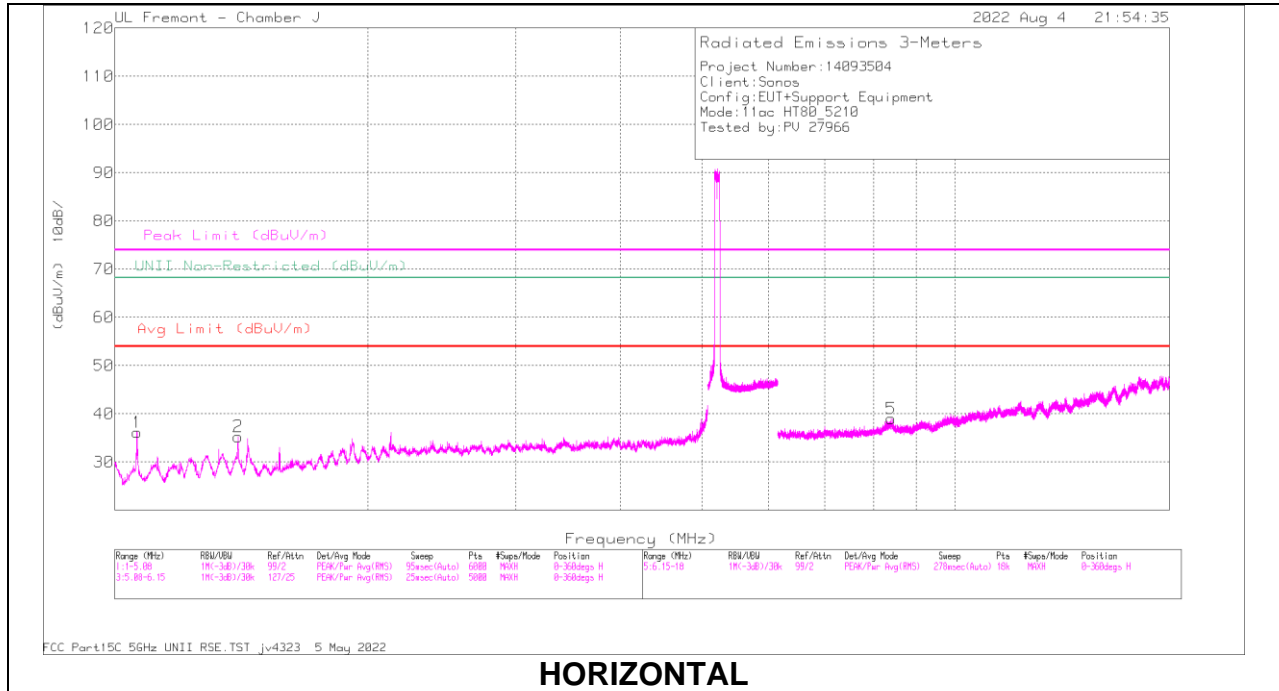
Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dB/m) | Amp/Cbl/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) | Polariz y |
|--------|-----------------|----------------------|-----|-----------------|------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|-----------|
| 1 | * 5150 | 57.89 | Pk | 34.4 | -30.9 | 0 | 61.39 | - | - | 74 | -12.61 | 255 | 226 | V |
| 2 | * 5115.577 | 59.11 | Pk | 34.3 | -30.8 | 0 | 62.61 | - | - | 74 | -11.39 | 255 | 226 | V |
| 3 | * 5150 | 45.75 | RMS | 34.4 | -30.9 | 3.36 | 52.61 | 54 | -1.39 | - | - | 255 | 226 | V |
| 4 | * 5149.887 | 46.07 | RMS | 34.4 | -30.9 | 3.36 | 52.93 | 54 | -1.07 | - | - | 255 | 226 | V |

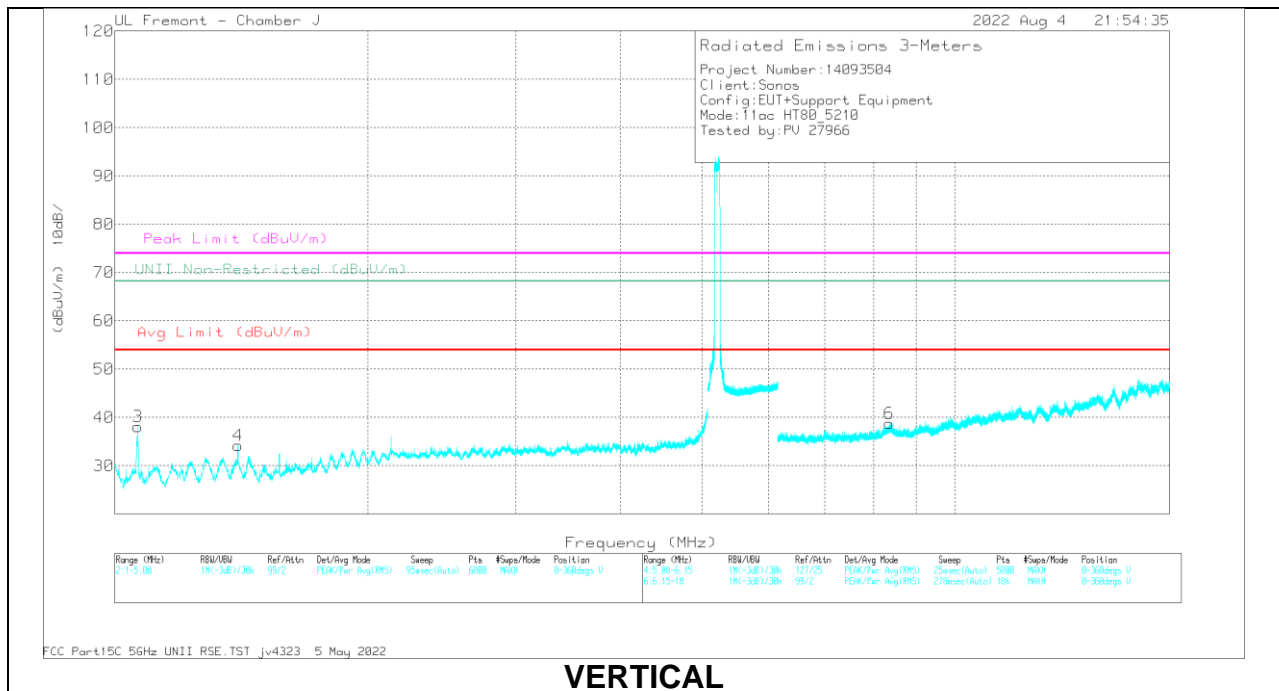
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

MID CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 206806 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | * 1062.952 | 66.59 | PK-U | 26.8 | -49.2 | 0 | 44.19 | - | - | 74 | -29.81 | - | - | 80 | 395 | H |
| | * 1063.04 | 51.46 | ADR | 26.8 | -49.2 | 3.36 | 32.42 | 54 | -21.58 | - | - | - | - | 80 | 395 | H |
| 2 | * 1400.288 | 67.03 | PK-U | 28.7 | -48.7 | 0 | 47.03 | - | - | 74 | -26.97 | - | - | 353 | 208 | H |
| | * 1399.548 | 49.41 | ADR | 28.7 | -48.7 | 3.36 | 32.77 | 54 | -21.23 | - | - | - | - | 353 | 208 | H |
| 3 | * 1065.715 | 72.25 | PK-U | 26.9 | -49.1 | 0 | 50.05 | - | - | 74 | -23.95 | - | - | 180 | 103 | V |
| | * 1064.265 | 56.73 | ADR | 26.8 | -49.2 | 3.36 | 37.69 | 54 | -16.31 | - | - | - | - | 180 | 103 | V |
| 4 | * 1403.162 | 62.35 | PK-U | 28.8 | -48.6 | 0 | 42.55 | - | - | 74 | -31.45 | - | - | 101 | 261 | V |
| | * 1404.525 | 49.04 | ADR | 28.8 | -48.6 | 3.36 | 32.6 | 54 | -21.4 | - | - | - | - | 101 | 261 | V |
| 5 | * 8395.814 | 56.72 | PK-U | 36 | -44.9 | 0 | 47.82 | - | - | 74 | -26.18 | - | - | 348 | 102 | H |
| | * 8395.147 | 44.81 | ADR | 36 | -44.9 | 3.36 | 39.27 | 54 | -14.73 | - | - | - | - | 348 | 102 | H |
| 6 | * 8357.172 | 56.6 | PK-U | 35.9 | -45 | 0 | 47.5 | - | - | 74 | -26.5 | - | - | 36 | 292 | V |
| | * 8356.105 | 45.05 | ADR | 36 | -45 | 3.36 | 39.41 | 54 | -14.59 | - | - | - | - | 36 | 292 | V |

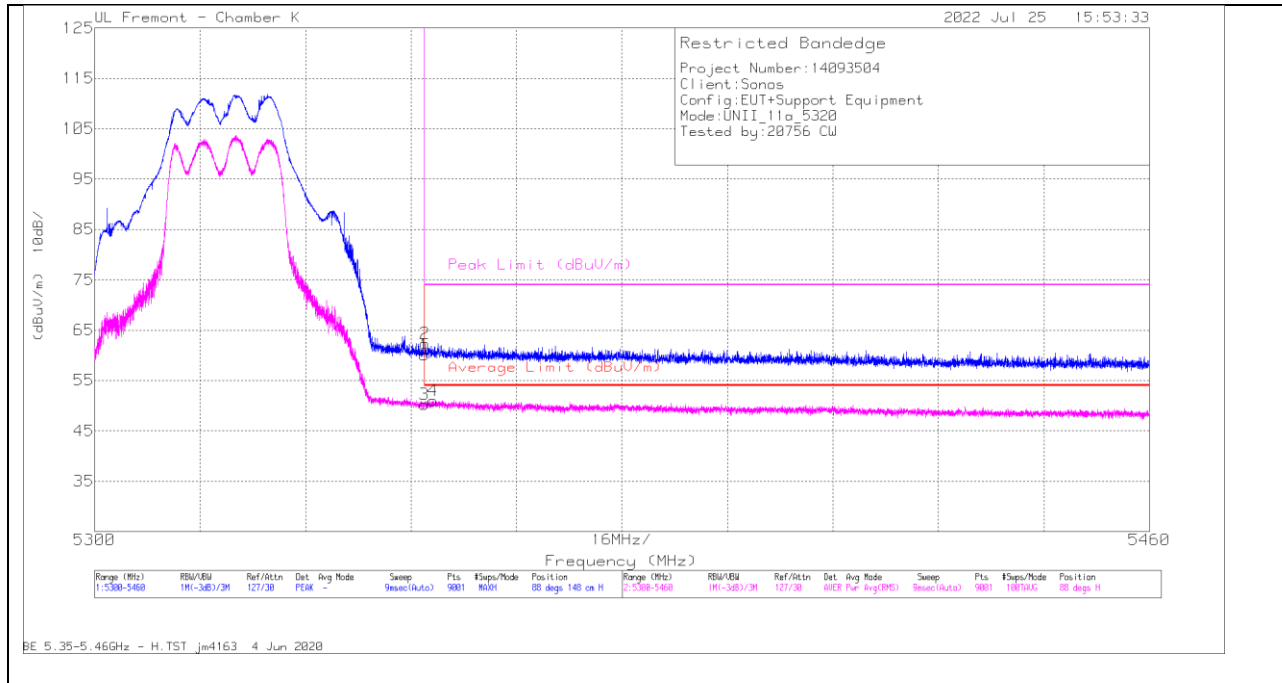
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

10.1.5. TX ABOVE 1 GHz 802.11a MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 4 CDD MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

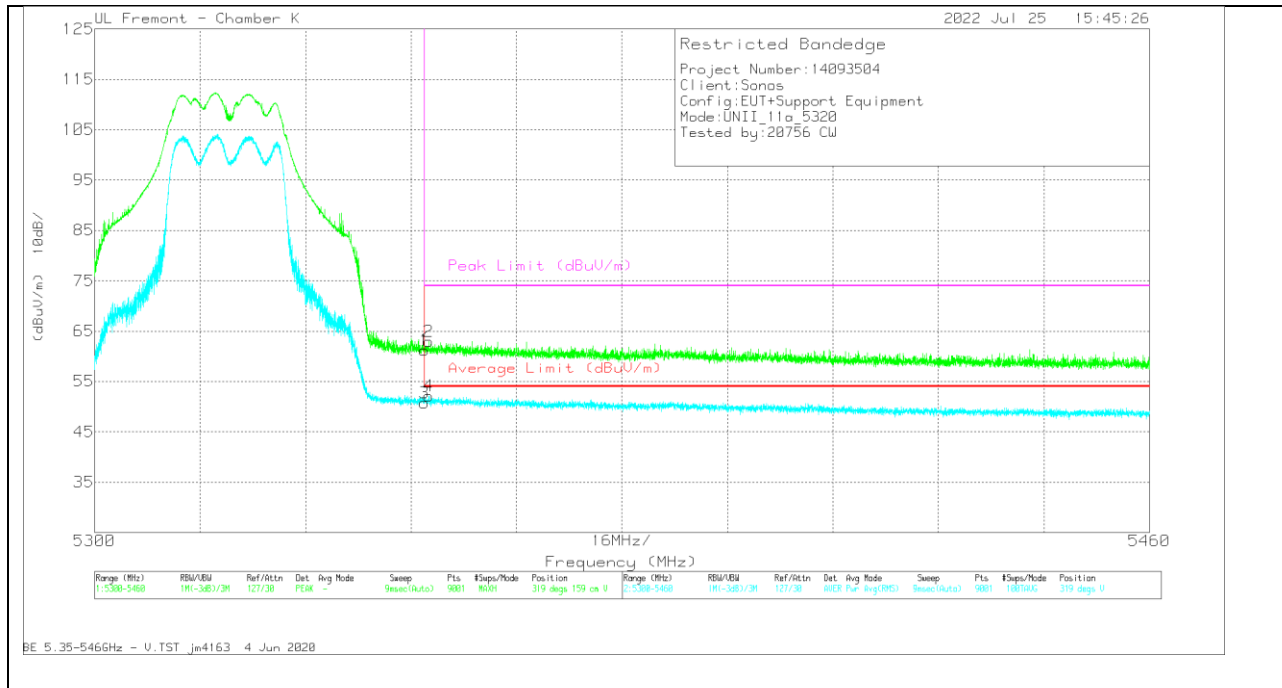
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dB/m) | Amp/Cbl/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------|------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5350 | 56.07 | Pk | 34.7 | -30.7 | 0 | 60.07 | - | - | 74 | -13.93 | 88 | 148 | H |
| 2 | * 5350.081 | 58.36 | Pk | 34.7 | -30.7 | 0 | 62.36 | - | - | 74 | -11.64 | 88 | 148 | H |
| 3 | * 5350 | 45.22 | RMS | 34.7 | -30.7 | 1.05 | 50.27 | 54 | -3.73 | - | - | 88 | 148 | H |
| 4 | * 5351.325 | 45.87 | RMS | 34.8 | -30.7 | 1.05 | 51.02 | 54 | -2.98 | - | - | 88 | 148 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



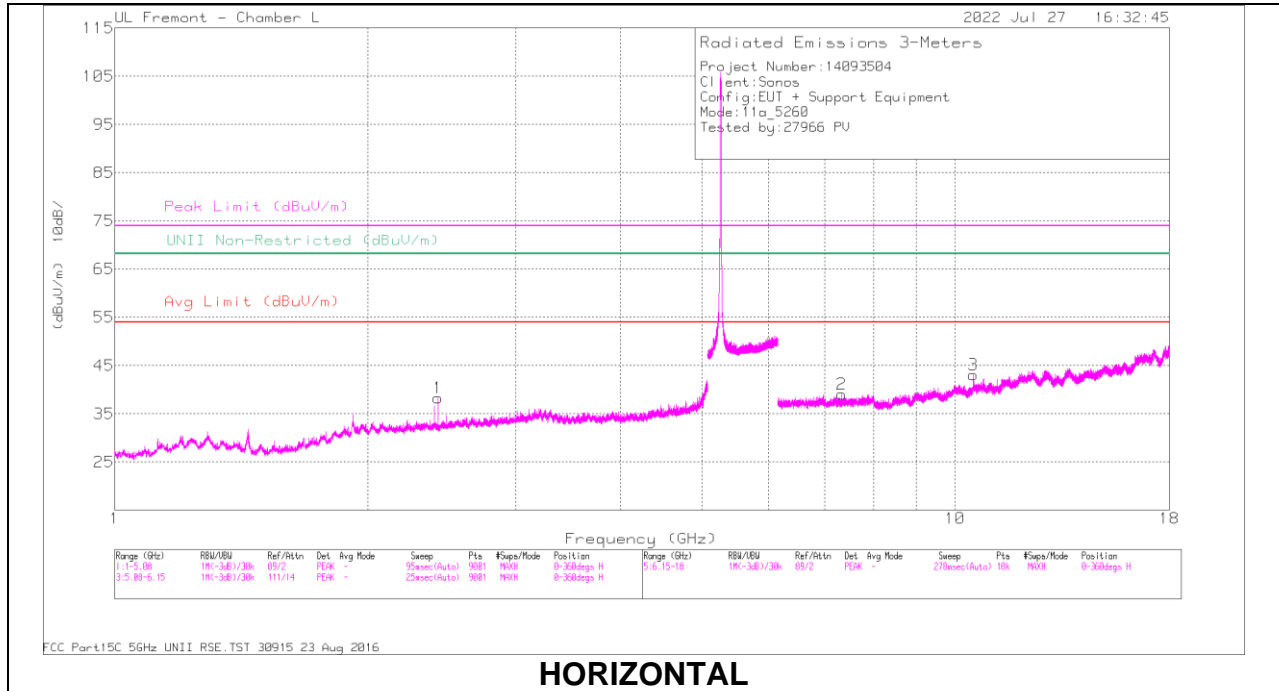
Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dB/m) | Amp/Cbl/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 | * 5350 | 57.17 | Pk | 34.7 | -30.7 | 0 | 61.17 | - | - | 74 | -12.83 | 319 | 159 | V |
| 2 | * 5350.703 | 58.92 | Pk | 34.7 | -30.7 | 0 | 62.92 | - | - | 74 | -11.08 | 319 | 159 | V |
| 3 | * 5350 | 45.76 | RMS | 34.7 | -30.7 | 1.05 | 50.81 | 54 | -3.19 | - | - | 319 | 159 | V |
| 4 | * 5350.721 | 47.1 | RMS | 34.7 | -30.7 | 1.05 | 52.15 | 54 | -1.85 | - | - | 319 | 159 | V |

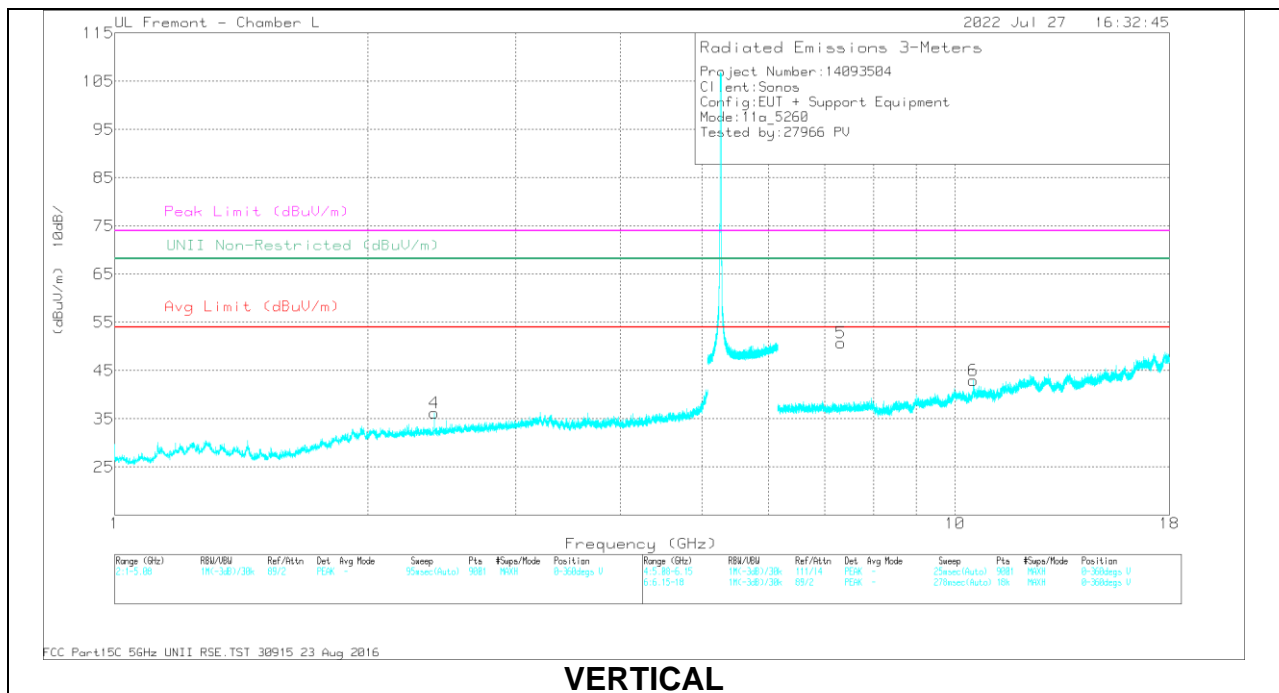
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

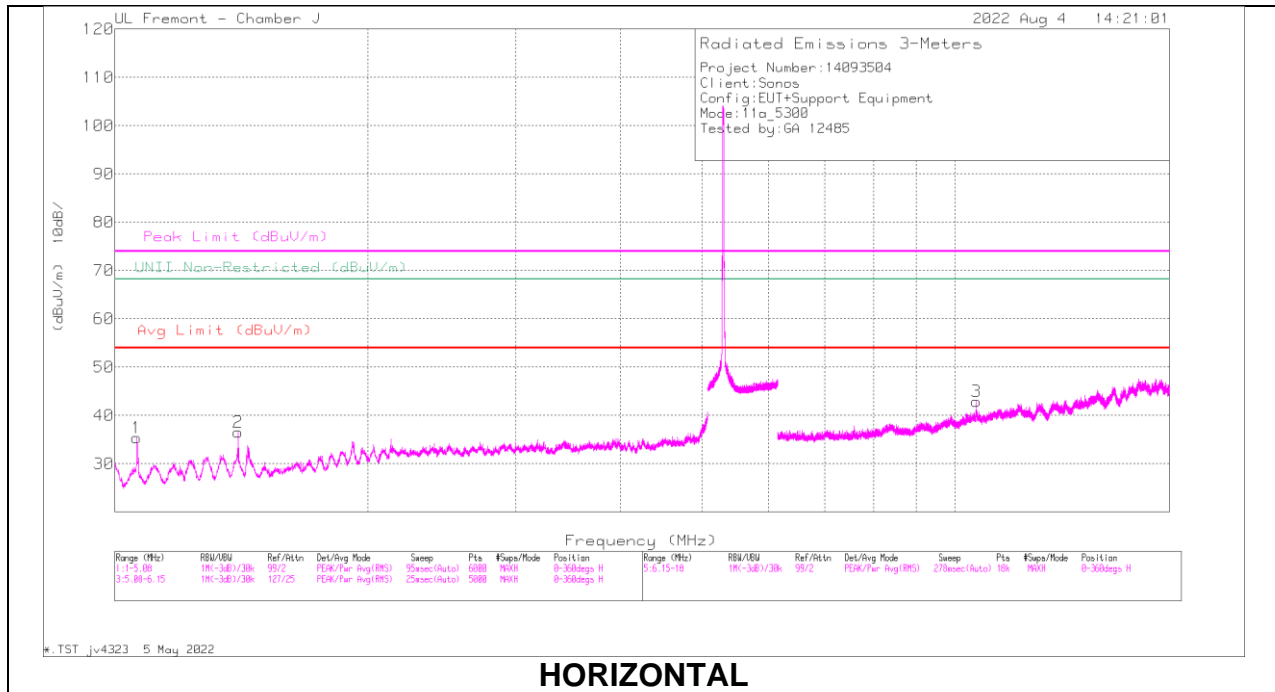
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 80707 ACF (dB) | Amp/Cbl/Fitr (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degrees) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|----------------|-------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-------------------|-------------|----------|
| 1 | 2.426244 | 41.41 | PK-U | 31.9 | -29.9 | 0 | 43.41 | - | - | - | - | 68.2 | -24.79 | 345 | 202 | H |
| 2 | * 7.336539 | 34.27 | PK-U | 36 | -22.0 | 0 | 47.37 | - | - | 74 | -26.63 | - | - | 149 | 102 | H |
| | * 7.334721 | 22.14 | ADR | 36 | -23 | 1.05 | 36.19 | 54 | -17.81 | - | - | - | - | 149 | 102 | H |
| 3 | 10.522882 | 34.16 | PK-U | 37.8 | -18.3 | 0 | 53.66 | - | - | - | - | 68.2 | -14.54 | 215 | 101 | H |
| 4 | 2.401615 | 42.13 | PK-U | 32 | -29.8 | 0 | 44.33 | - | - | - | - | 68.2 | -23.87 | 114 | 232 | V |
| 5 | * 7.323556 | 33.83 | PK-U | 35.9 | -23.2 | 0 | 46.53 | - | - | 74 | -27.47 | - | - | 51 | 101 | V |
| | * 7.322417 | 22.34 | ADR | 35.9 | -23.2 | 1.05 | 36.09 | 54 | -17.91 | - | - | - | - | 51 | 101 | V |
| 6 | 10.816017 | 33.02 | PK-U | 37.8 | -18.2 | 0 | 52.62 | - | - | - | - | 68.2 | -15.58 | 297 | 103 | V |

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

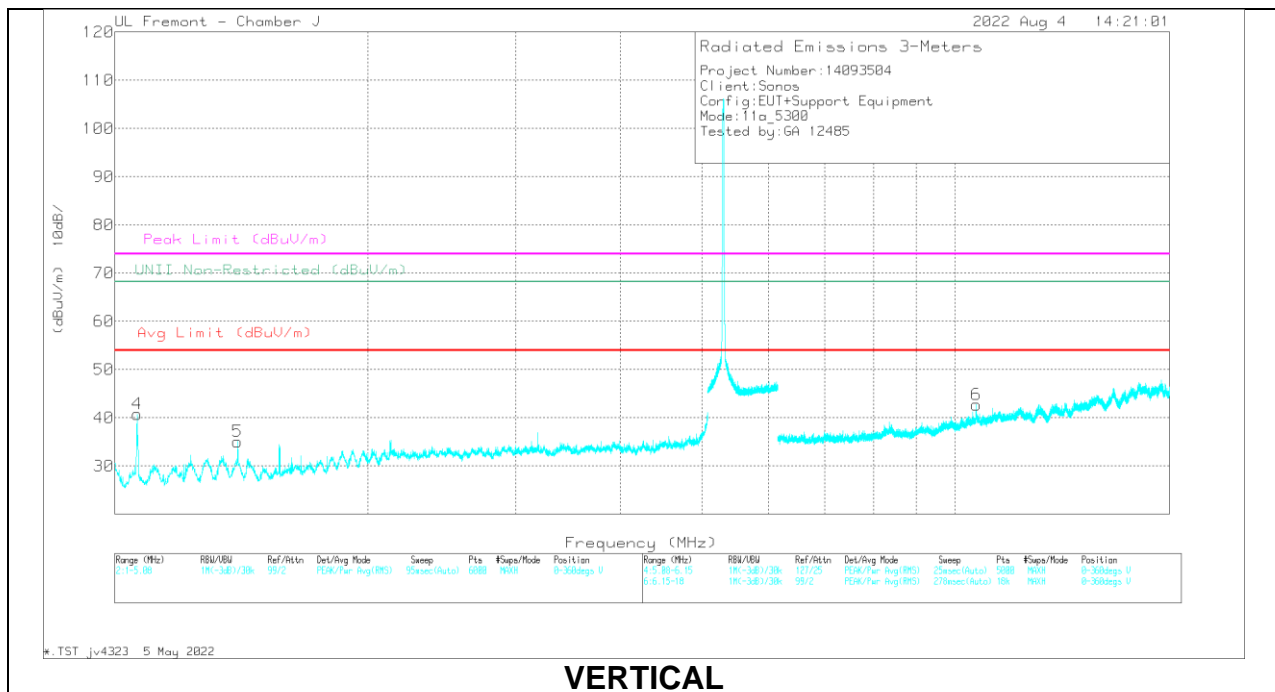
PK-U - U-NII: Maximum Peak

ADR - U-NII AD primary method, RMS average

MID CHANNEL RESULTS



HORIZONTAL



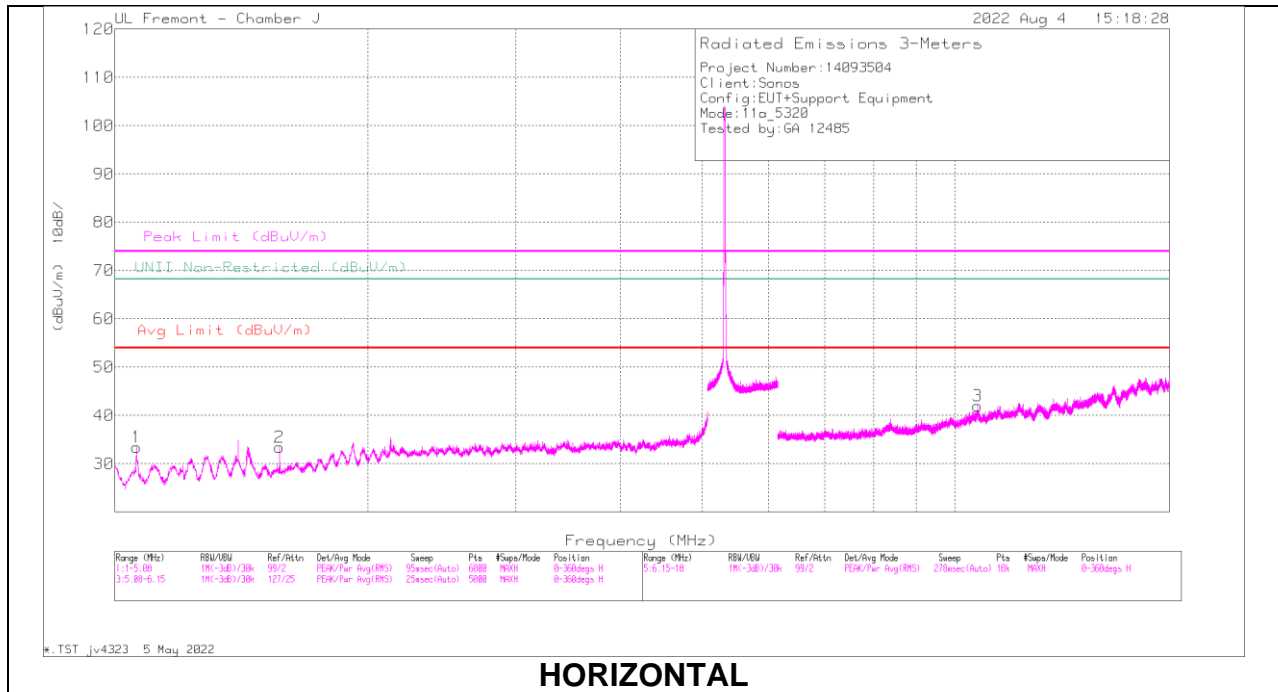
VERTICAL

RADIATED EMISSIONS

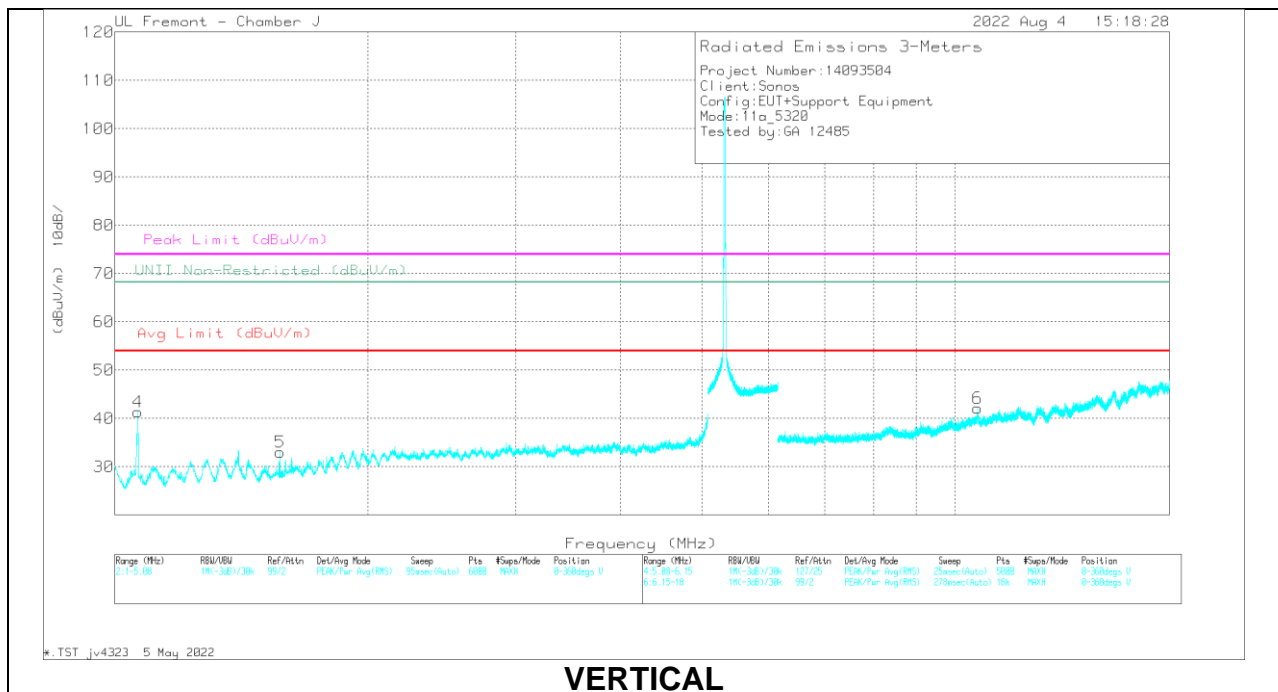
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 206806 (dB/m) | Amp/Cbl/Filtr/Pa d (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | UNII Non-Restricted (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|------|------------------|-------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|----------------|-------------|----------|
| 1 | * 1061.601 | 60.12 | PK-U | 26.8 | -49.3 | 0 | 46.62 | - | - | 74 | -27.38 | - | - | 87 | 197 | H |
| | * 1062.884 | 53.37 | ADR | 26.8 | -49.2 | 1.05 | 32.02 | 54 | -21.98 | - | - | - | - | 87 | 197 | H |
| 2 | * 1402.678 | 66.75 | PK-U | 26.8 | -48.7 | 0 | 46.95 | - | - | 74 | -27.15 | - | - | 357 | 210 | H |
| | * 1401.114 | 50.41 | ADR | 26.8 | -48.7 | 1.05 | 31.66 | 54 | -22.44 | - | - | - | - | 357 | 210 | H |
| 3 | * 11812.21 | 55.64 | PK-U | 38.6 | -43.6 | 0 | 50.64 | - | - | 74 | -23.36 | - | - | 339 | 108 | H |
| | * 11748.53 | 44.17 | ADR | 38.5 | -44.1 | 1.05 | 39.62 | 54 | -14.38 | - | - | - | - | 339 | 108 | H |
| 4 | * 1401.298 | 66.44 | PK-U | 26.8 | -48.7 | 0 | 46.54 | - | - | 74 | -27.46 | - | - | 85 | 163 | V |
| | * 1400.795 | 49.7 | ADR | 26.8 | -48.7 | 1.05 | 30.85 | 54 | -23.15 | - | - | - | - | 85 | 163 | V |
| 5 | * 1061.936 | 72.31 | PK-U | 26.8 | -49.3 | 0 | 49.81 | - | - | 74 | -24.19 | - | - | 190 | 105 | V |
| | * 1064.237 | 56.52 | ADR | 26.8 | -49.2 | 1.05 | 35.17 | 54 | -18.83 | - | - | - | - | 190 | 105 | V |
| 6 | * 11518.51 | 55.17 | PK-U | 38.3 | -43.9 | 0 | 49.57 | - | - | 74 | -24.43 | - | - | 214 | 258 | V |
| | * 11762.99 | 44.44 | ADR | 38.5 | -43.9 | 1.05 | 40.99 | 54 | -13.91 | - | - | - | - | 214 | 258 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK-U - U-NII: Maximum Peak
 ADR - U-NII AD primary method, RMS average

HIGH CHANNEL RESULTS



HORIZONTAL



VERTICAL

RADIATED EMISSIONS

| Marker | Frequency (MHz) | Meter Reading (dBµV) | Det | AF 206806 (dBm) | Amp/Cbl/Fitr/Pa d (dB) | DC Corr (dB) | Corrected Reading (dBµV/m) | Avg Limit (dBµV/m) | Margin (dB) | Peak Limit (dBµV/m) | PK Margin (dB) | UNII Non-Restricted (dBµV/m) | PK Margin (dB) | Azimu th (Degs) | Heig ht (cm) | Polari ty |
|--------|-----------------|----------------------|------|-----------------|------------------------|--------------|----------------------------|--------------------|-------------|---------------------|----------------|------------------------------|----------------|-----------------|--------------|-----------|
| 1 | * 1061.245 | 69.95 | PK-U | 26.8 | -49.3 | 0 | 47.45 | - | - | 74 | -26.55 | - | - | 84 | 212 | H |
| | * 1063.86 | 52.54 | ADR | 26.8 | -49.2 | 1.05 | 31.19 | 54 | -22.81 | - | - | - | - | 84 | 212 | H |
| 2 | * 1570.106 | 64.91 | PK-U | 27.7 | -49.1 | 0 | 43.61 | - | - | 74 | -30.49 | - | - | 329 | 274 | H |
| | * 1569.959 | 48.81 | ADR | 27.7 | -49.1 | 1.05 | 28.46 | 54 | -25.54 | - | - | - | - | 329 | 274 | H |
| 3 | * 10638.107 | 60.01 | PK-U | 37.9 | -44.7 | 0 | 53.21 | - | - | 74 | -20.79 | - | - | 250 | 191 | H |
| | * 10637.828 | 47.2 | ADR | 37.9 | -44.7 | 1.05 | 41.45 | 54 | -12.55 | - | - | - | - | 250 | 191 | H |
| 4 | * 1064.216 | 72.54 | PK-U | 26.8 | -49.2 | 0 | 50.14 | - | - | 74 | -23.86 | - | - | 190 | 103 | V |
| | * 1063.059 | 57.16 | ADR | 26.8 | -49.2 | 1.05 | 35.51 | 54 | -18.19 | - | - | - | - | 190 | 103 | V |
| 5 | * 1571.886 | 67.85 | PK-U | 27.7 | -49.1 | 0 | 46.45 | - | - | 74 | -27.55 | - | - | 18 | 393 | V |
| | * 1570.592 | 50.54 | ADR | 27.7 | -49.1 | 1.05 | 30.19 | 54 | -23.81 | - | - | - | - | 18 | 393 | V |
| 6 | * 10642.024 | 58.62 | PK-U | 37.9 | -44.7 | 0 | 51.82 | - | - | 74 | -22.18 | - | - | 258 | 355 | V |
| | * 10642.014 | 46.4 | ADR | 37.9 | -44.7 | 1.05 | 40.65 | 54 | -13.35 | - | - | - | - | 258 | 355 | V |

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

PK-U - U-NII: Maximum Peak

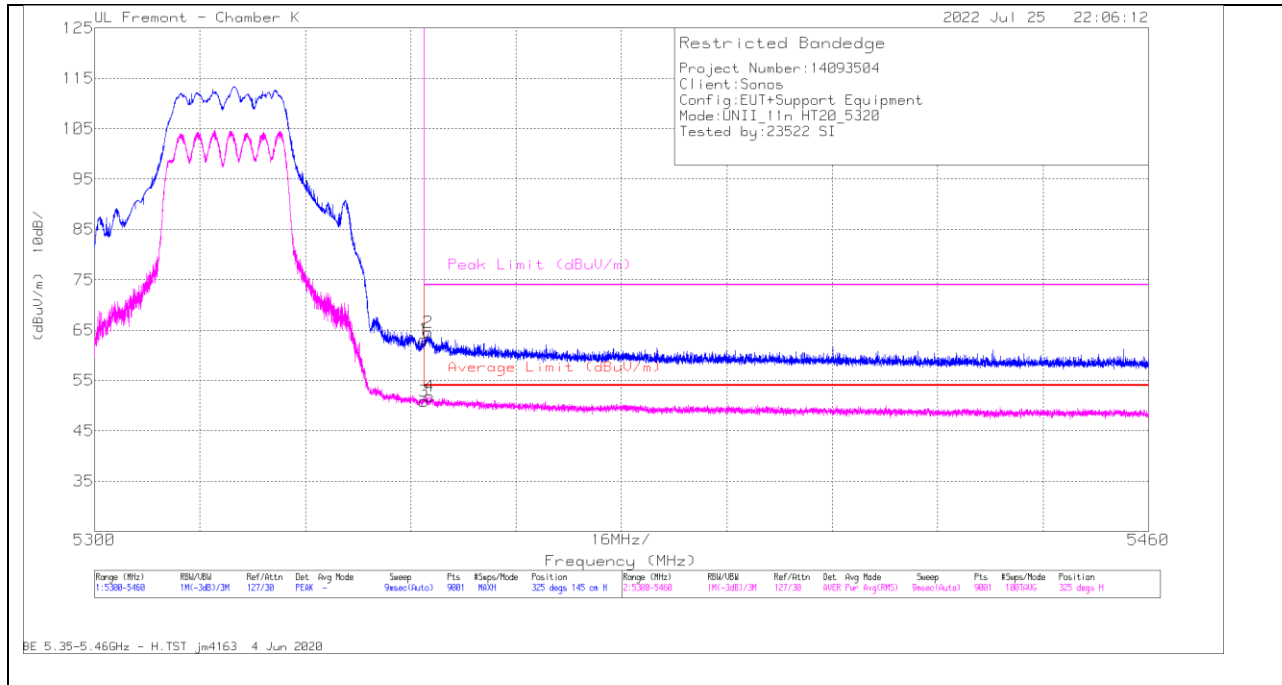
ADR - U-NII AD primary method, RMS average

10.1.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 4 CDD MODE

BANDEDGE (HIGH CHANNEL)

HORIZONTAL RESULT



Trace Markers

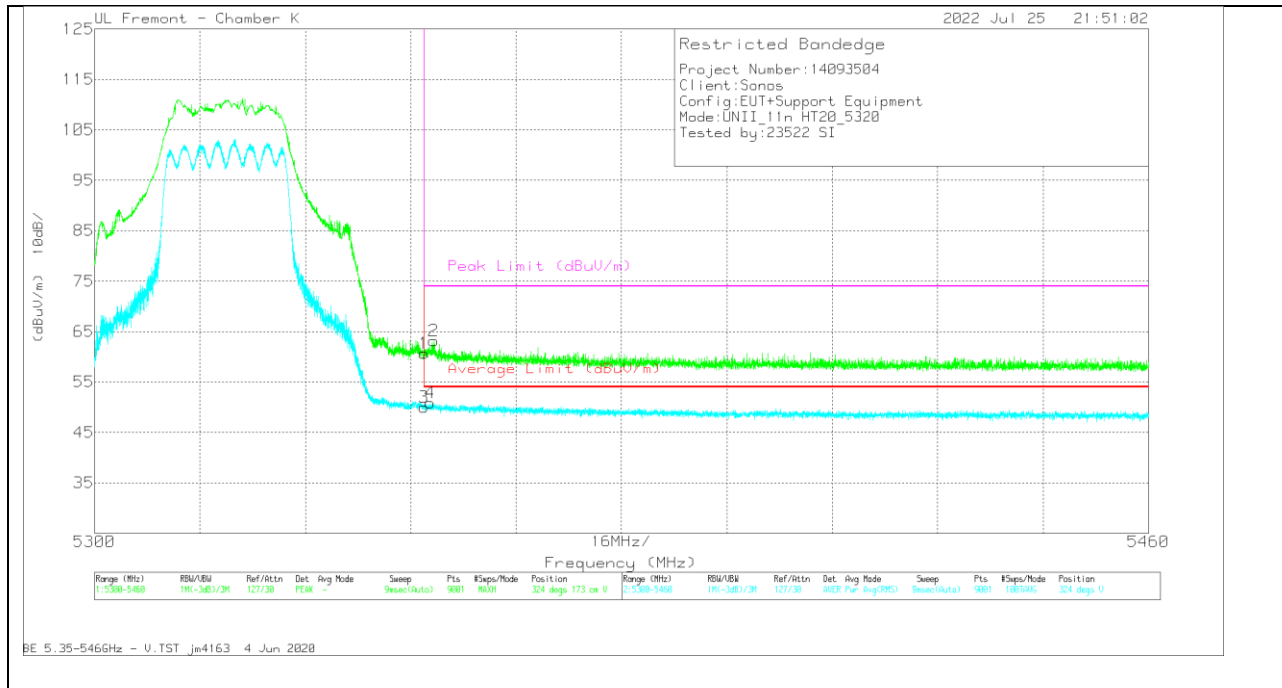
| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dB/m) | Amp/Cbl/Pad (dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|-----------------|------------------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 5350 | 59.25 | Pk | 34.7 | -30.7 | 0 | 63.25 | - | - | 74 | -10.75 | 325 | 145 | H |
| 2 | * 5350.65 | 60.58 | Pk | 34.7 | -30.7 | 0 | 64.58 | - | - | 74 | -9.42 | 325 | 145 | H |
| 3 | * 5350 | 45.82 | RMS | 34.7 | -30.7 | 1.11 | 50.93 | 54 | -3.07 | - | - | 325 | 145 | H |
| 4 | * 5350.881 | 46.71 | RMS | 34.7 | -30.7 | 1.11 | 51.82 | 54 | -2.18 | - | - | 325 | 145 | H |

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

Pk - Peak detector

RMS - RMS detection

VERTICAL RESULT



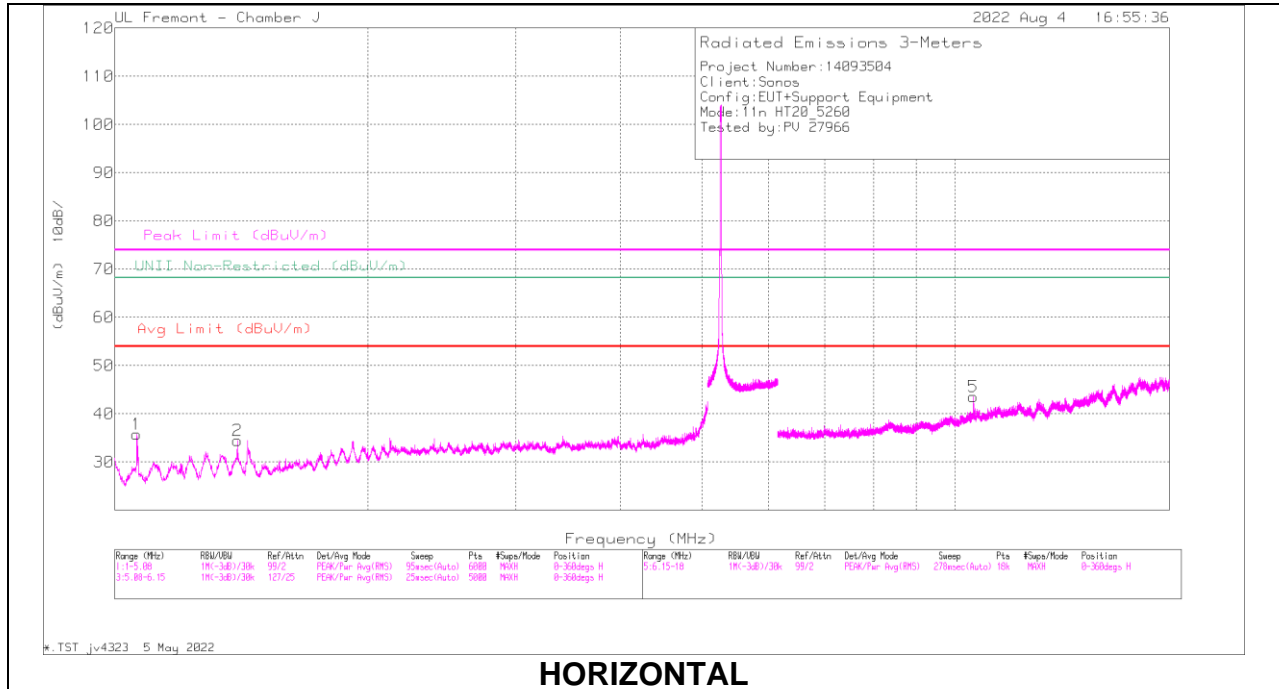
Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | AF 80404 (dB/m) | Amp/Cbl/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 | * 5350 | 56.69 | Pk | 34.7 | -30.7 | 0 | 60.89 | - | - | 74 | -13.31 | 324 | 173 | V |
| 2 | * 5351.485 | 59.04 | Pk | 34.8 | -30.7 | 0 | 63.14 | - | - | 74 | -10.86 | 324 | 173 | V |
| 3 | * 5350 | 44.88 | RMS | 34.7 | -30.7 | 1.11 | 49.99 | 54 | -4.01 | - | - | 324 | 173 | V |
| 4 | * 5350.934 | 45.78 | RMS | 34.7 | -30.7 | 1.11 | 50.89 | 54 | -3.11 | - | - | 324 | 173 | V |

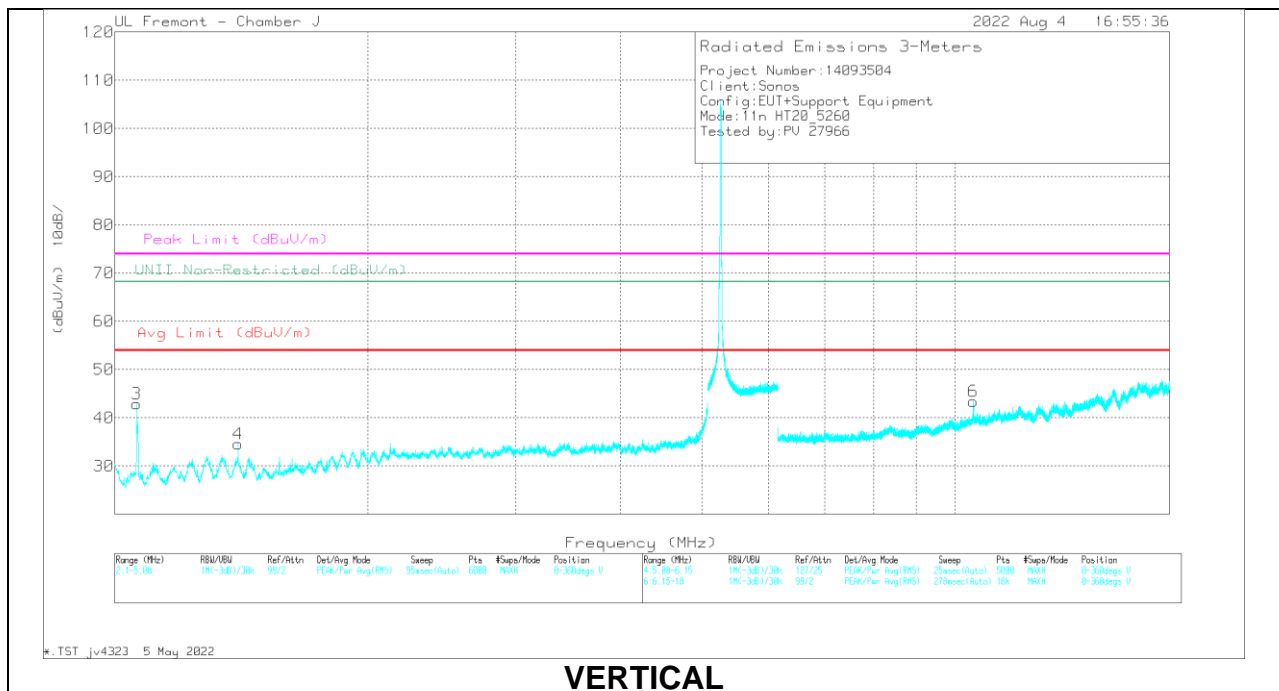
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 Pk - Peak detector
 RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL RESULTS



HORIZONTAL



VERTICAL