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## 4.5 Transmitter Spurious Emissions

*Transmitter spurious emissions are emissions outside the frequency range of the equipment when the equipment is in transmit mode; per requirement of CFR47 15.205:2020, 15.209:2020, 15.407(b):2020, RSS 247 Sect. 6:2017, RSS GEN Sect.8.9 and 8.10:2019*

### 4.5.1 Test Methodology

#### 4.5.1.1 Preliminary Test

A test program that controls instrumentation and data logging was used to automate the preliminary RF emission test procedure. The frequency range of interest was divided into sub-ranges to yield a frequency resolution of approximately 120 kHz and provide a reading at each frequency for no more than 12° of turntable rotation. For each frequency sub-range the turntable was rotated 360° while peak emission data was recorded and plotted over the frequency range of interest in horizontal and vertical antenna polarization's.

Preliminary emission profile testing was performed inside the anechoic chamber. The EUT was placed on a 1.0m x 1.5m non-conductive table 80cm (<1 GHz) and 150cm (>1 GHz) above the floor. The EUT was positioned as shown in the setup photographs. The receiving antenna was placed at a distance of 3m at a fixed height of 1m. Measurement equipment was located outside of the chamber. A video camera was placed inside the chamber to view the EUT.

Pres-scans were performed to determine the worst, data rate / chains for 802.11a, 802.11n (HT20 and HT40) and 802.11ac (VHT80).

#### 4.5.1.2 Final Test

For each frequency measured, the peak emission was maximized by manipulating the receiving antenna from 1 to 4 meters above the ground plane and placing it at the position that produced the maximum signal strength reading. The turntable was then rotated through 360° while observing the peak signal and placing the EUT at the position that produced maximum radiation. The six highest emissions relative to the limit were measured unless such emissions were more than 20 dB below the limit. If less than six emissions are within 20 dB of the limit, than the noise level of the receiver is measured at frequencies where emissions are expected. Multiples of all oscillator and microprocessor frequencies were also checked.

Final testing was performed on an NSA compliant test site. The EUT was placed on a 1.0m x 1.5m non-conductive table 80cm (<1 GHz) and 150cm (>1 GHz) above the ground plane. The placement of EUT and cables were the same as for preliminary testing and is shown in the setup photographs.

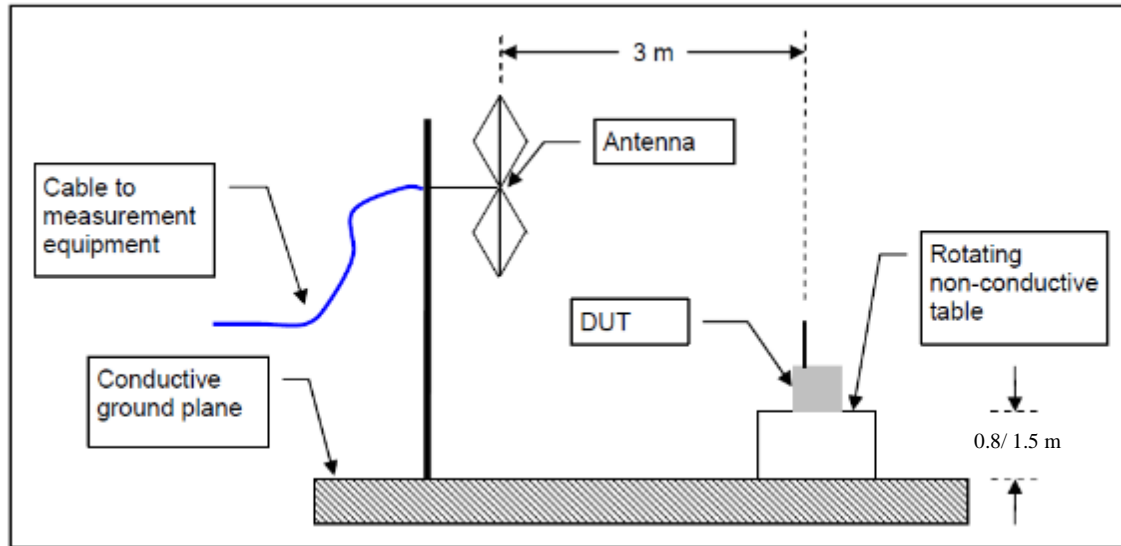
Final results are:

802.11a at 6 Mbps and 802.11n (HT20 and HT40) at MCS0 and 802.11ac (VHT20, VHT40, and VHT80) at MCS0.

#### 4.5.1.3 Deviations

None.

**Test Setup:**



**4.5.2 Transmitter Spurious Emission Limit**

The spurious emissions of the transmitter shall not exceed the values in CFR47 Part 15.205, 15.209, RSS 247 Sect. 6, RSS GEN Sect. 8.9 and 8.10

| Frequency (MHz)  | Field strength (microvolts/meter) | Measurement distance (meters) |
|------------------|-----------------------------------|-------------------------------|
| 0.009-0.490..... | 2400/F (kHz)                      | 300                           |
| 0.490-1.705..... | 24000/F (kHz)                     | 30                            |
| 1.705-30.0.....  | 30                                | 30                            |
| 30-88.....       | 100 **                            | 3                             |
| 88-216.....      | 150 **                            | 3                             |
| 216-960.....     | 200 **                            | 3                             |
| Above 960.....   | 500                               | 3                             |

According to CFR47 15.407 (b) and RSS 247 Sect. 6.2, all harmonics and spurious emissions which are outside the 5150 MHz - 5250 MHz, 5250 MHz – 5350 MHz, or 5470 MHz – 5725 MHz shall not exceed -27 dBm/MHz. This is equivalent to 68.2 dBuV/m at 3 meter distance.

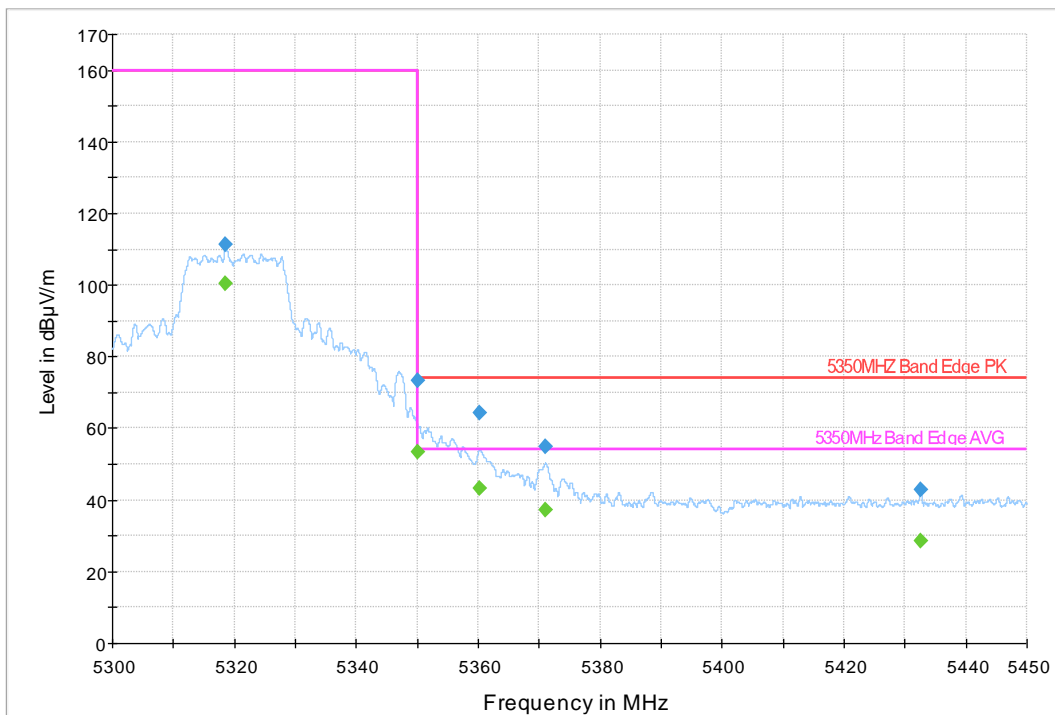
**4.5.3 Results**

The final measurement data was taken under the worst case operating modes, configurations, and/or cable positions. It also reflects the results including any modifications and/or special accessories listed in Sections 1.4 and test plan.

As originally tested, the EUT was found to be compliant to the requirements of the test standard(s). No spurious emissions were detected below 30MHz or above 18GHz.

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5318.630000     | ---              | 100.55           | 160.00         | 59.45       | 10000.0         | 1000.000        | 154.0       | V   | 251.0         |
| 5318.630000     | 111.48           | ---              | 160.00         | 48.52       | 10000.0         | 1000.000        | 154.0       | V   | 251.0         |
| 5350.010000     | ---              | 53.30            | 54.00          | 0.70        | 10000.0         | 1000.000        | 153.0       | V   | 254.0         |
| 5350.010000     | 73.30            | ---              | 74.00          | 0.70        | 10000.0         | 1000.000        | 153.0       | V   | 254.0         |
| 5360.285000     | ---              | 43.11            | 54.00          | 10.89       | 10000.0         | 1000.000        | 250.0       | V   | 260.0         |
| 5360.285000     | 64.32            | ---              | 74.00          | 9.68        | 10000.0         | 1000.000        | 250.0       | V   | 260.0         |
| 5371.040000     | ---              | 37.26            | 54.00          | 16.74       | 10000.0         | 1000.000        | 250.0       | V   | 260.0         |
| 5371.040000     | 54.98            | ---              | 74.00          | 19.02       | 10000.0         | 1000.000        | 250.0       | V   | 260.0         |
| 5432.570000     | ---              | 28.73            | 54.00          | 25.27       | 10000.0         | 1000.000        | 253.0       | V   | -2.0          |
| 5432.570000     | 42.95            | ---              | 74.00          | 31.05       | 10000.0         | 1000.000        | 253.0       | V   | -2.0          |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s



◆ Preview Result 1-PK+ Final\_Result PK+    
 — 5350MHz Band Edge PK    
 — 5350MHz Band Edge AVG  
◆ Final\_Result AVG

Figure 65: Radiated Band Edge – 802.11a UNII-2A High Channel 5320MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5326.880000     | ---              | 98.86            | 160.00         | 61.14       | 10000.0         | 1000.000        | 154.0       | V   | 253.0         |
| 5326.880000     | 110.49           | ---              | 160.00         | 49.51       | 10000.0         | 1000.000        | 154.0       | V   | 253.0         |
| 5350.010000     | ---              | 46.14            | 54.00          | 7.86        | 10000.0         | 1000.000        | 154.0       | V   | 256.0         |
| 5350.010000     | 72.13            | ---              | 74.00          | 1.87        | 10000.0         | 1000.000        | 154.0       | V   | 256.0         |
| 5353.700000     | ---              | 42.28            | 54.00          | 11.72       | 10000.0         | 1000.000        | 150.0       | V   | 262.0         |
| 5353.700000     | 67.22            | ---              | 74.00          | 6.78        | 10000.0         | 1000.000        | 150.0       | V   | 262.0         |
| 5361.695000     | ---              | 36.71            | 54.00          | 17.29       | 10000.0         | 1000.000        | 154.0       | V   | 251.0         |
| 5361.695000     | 58.72            | ---              | 74.00          | 15.28       | 10000.0         | 1000.000        | 154.0       | V   | 251.0         |
| 5416.085000     | ---              | 28.95            | 54.00          | 25.05       | 10000.0         | 1000.000        | 250.0       | V   | 146.0         |
| 5416.085000     | 43.92            | ---              | 74.00          | 30.08       | 10000.0         | 1000.000        | 250.0       | V   | 146.0         |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s

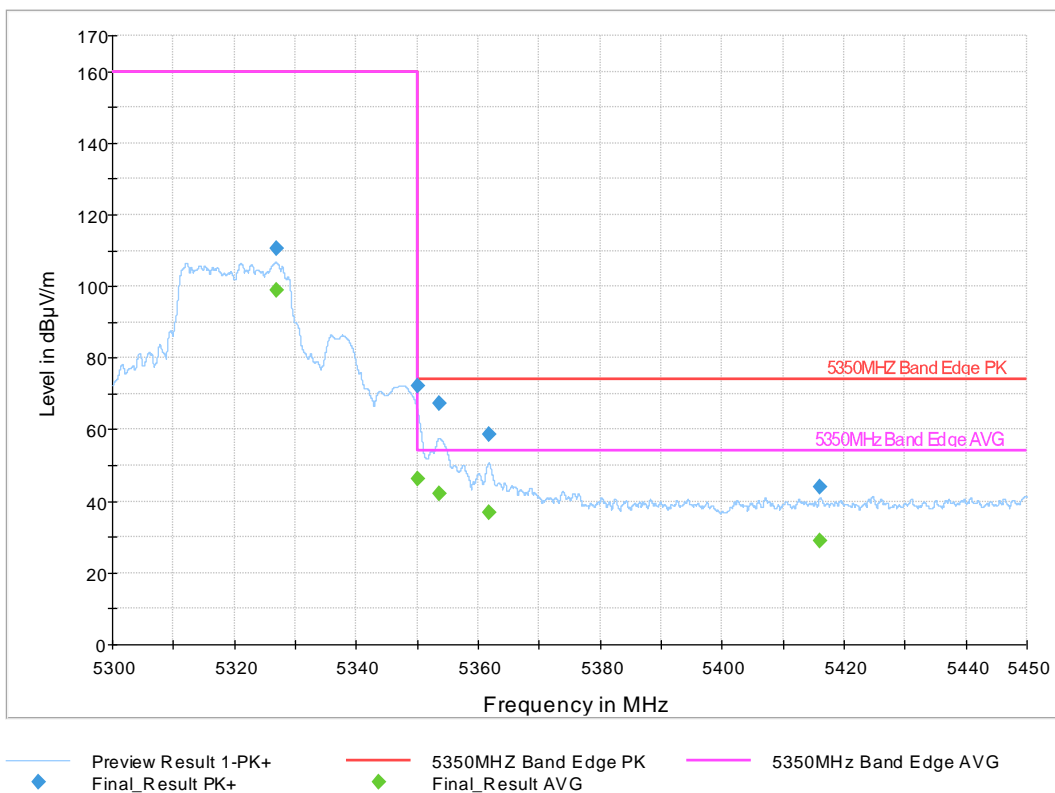
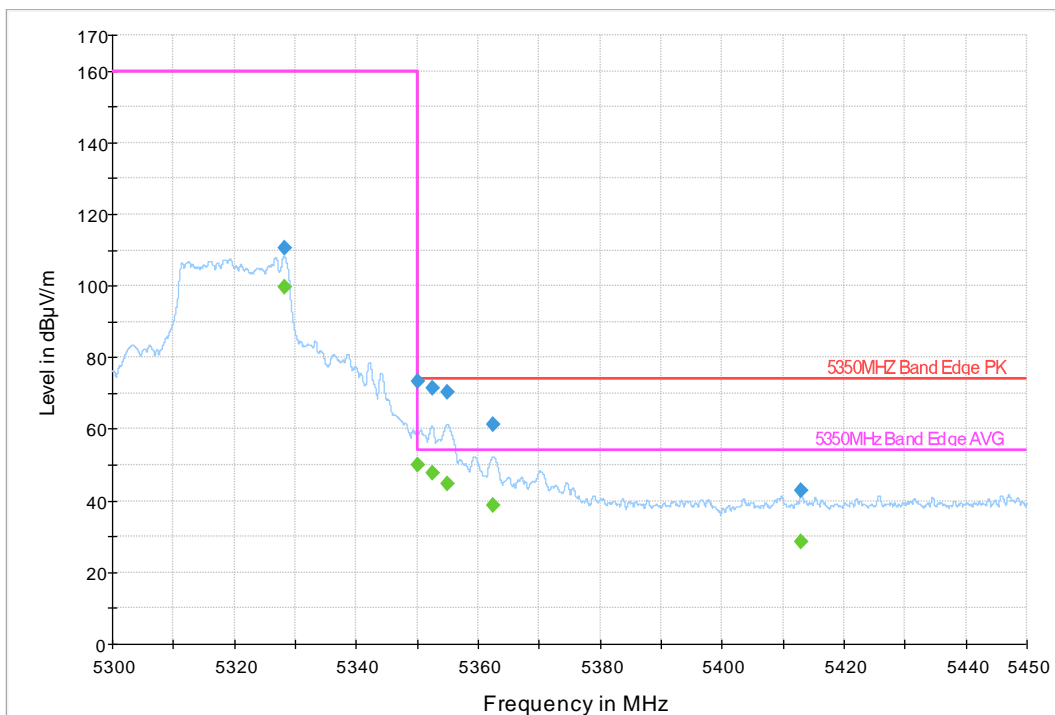


Figure 66: Radiated Band Edge – 802.11n HT20 UNII-2A High Channel 5320MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5328.155000     | ---              | 99.73            | 160.00         | 60.27       | 10000.0         | 1000.000        | 154.0       | V   | 250.0         |
| 5328.155000     | 110.76           | ---              | 160.00         | 49.24       | 10000.0         | 1000.000        | 154.0       | V   | 250.0         |
| 5350.010000     | ---              | 49.90            | 54.00          | 4.10        | 10000.0         | 1000.000        | 154.0       | V   | 249.0         |
| 5350.010000     | 73.26            | ---              | 74.00          | 0.74        | 10000.0         | 1000.000        | 154.0       | V   | 249.0         |
| 5352.425000     | ---              | 47.65            | 54.00          | 6.35        | 10000.0         | 1000.000        | 154.0       | V   | 249.0         |
| 5352.425000     | 71.59            | ---              | 74.00          | 2.41        | 10000.0         | 1000.000        | 154.0       | V   | 249.0         |
| 5354.930000     | ---              | 44.91            | 54.00          | 9.09        | 10000.0         | 1000.000        | 153.0       | V   | 252.0         |
| 5354.930000     | 70.25            | ---              | 74.00          | 3.75        | 10000.0         | 1000.000        | 153.0       | V   | 252.0         |
| 5362.475000     | ---              | 38.87            | 54.00          | 15.13       | 10000.0         | 1000.000        | 154.0       | V   | 253.0         |
| 5362.475000     | 61.40            | ---              | 74.00          | 12.60       | 10000.0         | 1000.000        | 154.0       | V   | 253.0         |
| 5413.010000     | ---              | 28.50            | 54.00          | 25.50       | 10000.0         | 1000.000        | 153.0       | H   | 72.0          |
| 5413.010000     | 42.89            | ---              | 74.00          | 31.11       | 10000.0         | 1000.000        | 153.0       | H   | 72.0          |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s

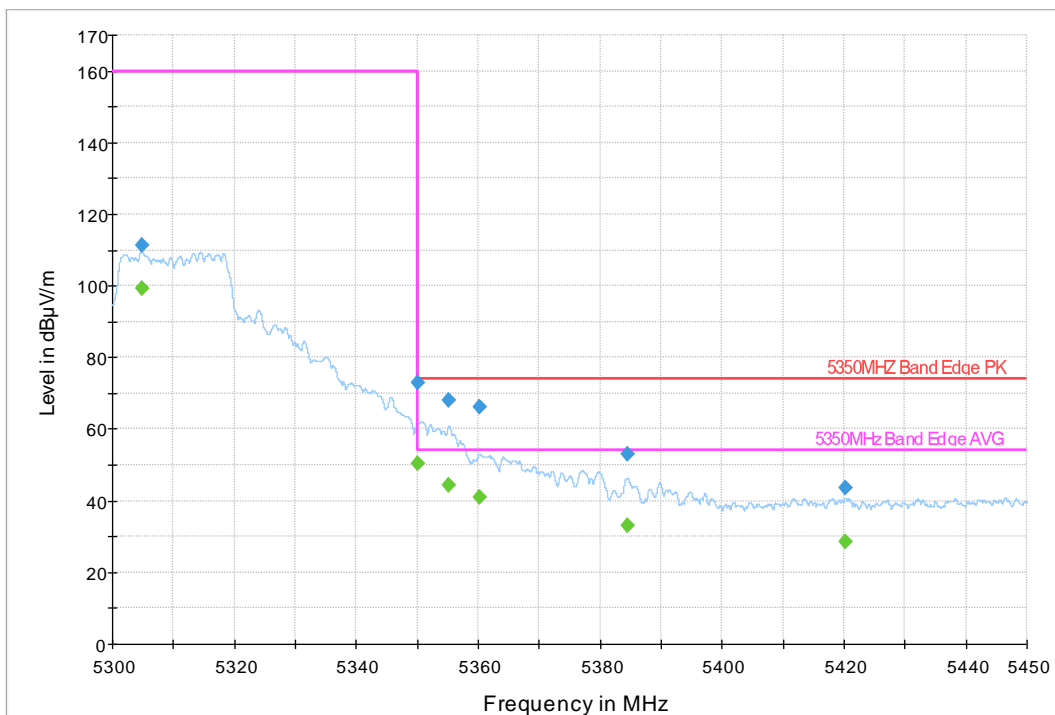


◆ Preview Result 1-PK+ Final\_Result PK+     
 — 5350MHz Band Edge PK     
 — 5350MHz Band Edge AVG  
◆ Final\_Result AVG

Figure 67: Radiated Band Edge – 802.11ac VHT20 UNII-2A High Channel 5320MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5304.770000     | ---              | 99.21            | 160.00         | 60.79       | 10000.0         | 1000.000        | 153.0       | V   | 255.0         |
| 5304.770000     | 111.26           | ---              | 160.00         | 48.74       | 10000.0         | 1000.000        | 153.0       | V   | 255.0         |
| 5350.010000     | ---              | 50.32            | 54.00          | 3.68        | 10000.0         | 1000.000        | 153.0       | V   | 249.0         |
| 5350.010000     | 73.12            | ---              | 74.00          | 0.88        | 10000.0         | 1000.000        | 153.0       | V   | 249.0         |
| 5355.230000     | ---              | 44.53            | 54.00          | 9.47        | 10000.0         | 1000.000        | 154.0       | V   | 291.0         |
| 5355.230000     | 68.04            | ---              | 74.00          | 5.96        | 10000.0         | 1000.000        | 154.0       | V   | 291.0         |
| 5360.300000     | ---              | 41.03            | 54.00          | 12.97       | 10000.0         | 1000.000        | 154.0       | V   | 246.0         |
| 5360.300000     | 66.01            | ---              | 74.00          | 7.99        | 10000.0         | 1000.000        | 154.0       | V   | 246.0         |
| 5384.420000     | ---              | 33.06            | 54.00          | 20.94       | 10000.0         | 1000.000        | 153.0       | V   | 249.0         |
| 5384.420000     | 53.05            | ---              | 74.00          | 20.95       | 10000.0         | 1000.000        | 153.0       | V   | 249.0         |
| 5420.240000     | ---              | 28.50            | 54.00          | 25.50       | 10000.0         | 1000.000        | 100.0       | H   | 249.0         |
| 5420.240000     | 43.52            | ---              | 74.00          | 30.48       | 10000.0         | 1000.000        | 100.0       | H   | 249.0         |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s



◆ Preview Result 1-PK+ Final\_Result PK+     
 — 5350MHz Band Edge PK     
 — 5350MHz Band Edge AVG  
◆ Final\_Result AVG

Figure 68: Radiated Band Edge – 802.11n HT40 UNII-2A High Channel 5310MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5304.320000     | ---              | 100.60           | 160.00         | 59.40       | 10000.0         | 1000.000        | 155.0       | V   | 247.0         |
| 5304.320000     | 112.14           | ---              | 160.00         | 47.86       | 10000.0         | 1000.000        | 155.0       | V   | 247.0         |
| 5350.010000     | ---              | 51.20            | 54.00          | 2.80        | 10000.0         | 1000.000        | 153.0       | V   | 293.0         |
| 5350.010000     | 73.75            | ---              | 74.00          | 0.25        | 10000.0         | 1000.000        | 153.0       | V   | 293.0         |
| 5352.485000     | ---              | 48.11            | 54.00          | 5.89        | 10000.0         | 1000.000        | 155.0       | H   | 184.0         |
| 5352.485000     | 72.01            | ---              | 74.00          | 1.99        | 10000.0         | 1000.000        | 155.0       | H   | 184.0         |
| 5356.385000     | ---              | 49.68            | 54.00          | 4.32        | 10000.0         | 1000.000        | 181.0       | V   | 264.0         |
| 5356.385000     | 72.93            | ---              | 74.00          | 1.07        | 10000.0         | 1000.000        | 181.0       | V   | 264.0         |
| 5405.630000     | ---              | 29.75            | 54.00          | 24.25       | 10000.0         | 1000.000        | 155.0       | V   | 289.0         |
| 5405.630000     | 45.73            | ---              | 74.00          | 28.27       | 10000.0         | 1000.000        | 155.0       | V   | 289.0         |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s

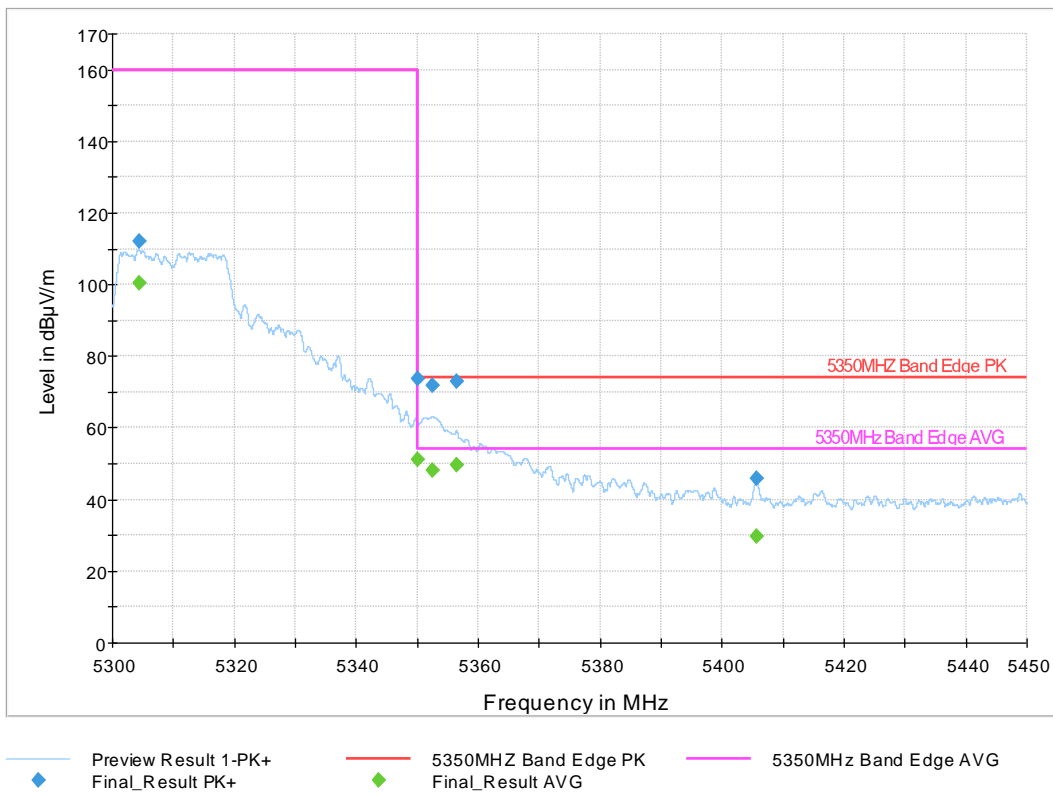


Figure 69: Radiated Band Edge – 802.11ac VHT40 UNII-2A High Channel 5310MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5300.000000     | ---              | 79.01            | 160.00         | 80.99       | 10000.0         | 1000.000        | 155.0       | V   | 116.0         |
| 5300.000000     | 97.20            | ---              | 160.00         | 62.80       | 10000.0         | 1000.000        | 155.0       | V   | 116.0         |
| 5350.010000     | ---              | 41.13            | 54.00          | 12.87       | 10000.0         | 1000.000        | 154.0       | H   | 176.0         |
| 5350.010000     | 65.41            | ---              | 74.00          | 8.59        | 10000.0         | 1000.000        | 154.0       | H   | 176.0         |
| 5351.960000     | ---              | 42.95            | 54.00          | 11.05       | 10000.0         | 1000.000        | 155.0       | V   | 263.0         |
| 5351.960000     | 67.83            | ---              | 74.00          | 6.17        | 10000.0         | 1000.000        | 155.0       | V   | 263.0         |
| 5358.350000     | ---              | 35.68            | 54.00          | 18.32       | 10000.0         | 1000.000        | 155.0       | H   | 186.0         |
| 5358.350000     | 55.33            | ---              | 74.00          | 18.67       | 10000.0         | 1000.000        | 155.0       | H   | 186.0         |
| 5414.435000     | ---              | 28.37            | 54.00          | 25.63       | 10000.0         | 1000.000        | 356.0       | H   | 211.0         |
| 5414.435000     | 42.81            | ---              | 74.00          | 31.19       | 10000.0         | 1000.000        | 356.0       | H   | 211.0         |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s

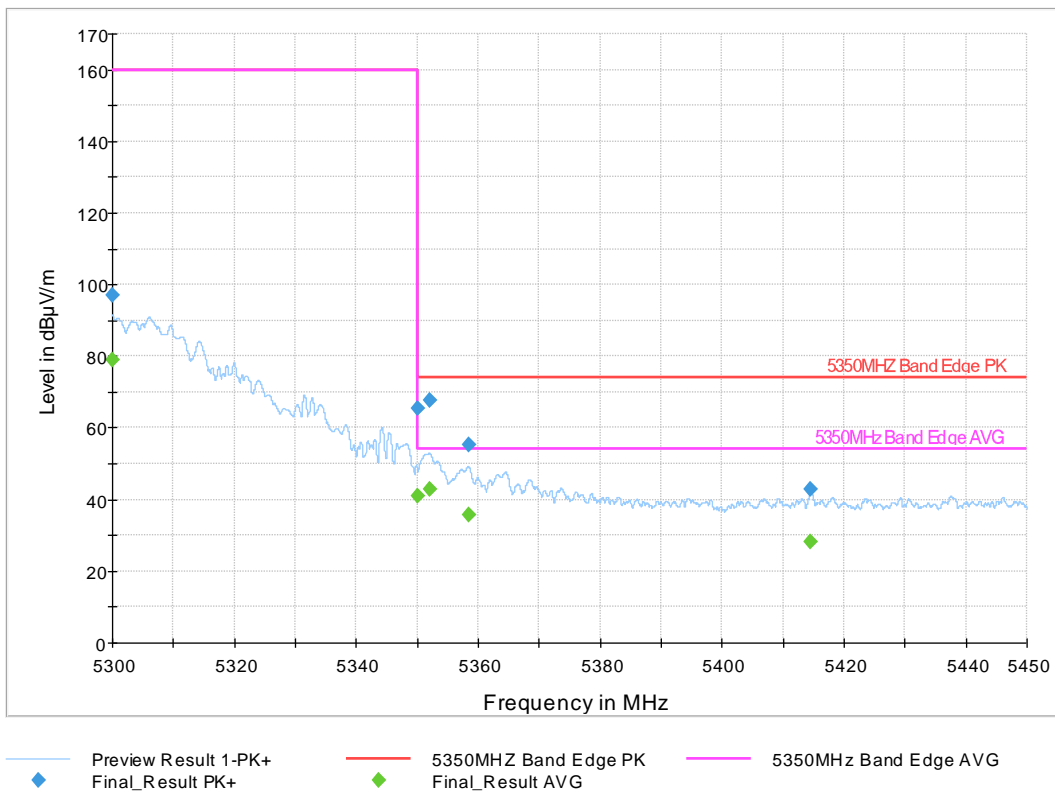


Figure 70: Radiated Band Edge – 802.11ac VHT80 UNII-2A Mid Channel 5290MHz



| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5435.684000     | ---              | 34.40            | 54.00          | 19.60       | 10000.0         | 1000.000        | 256.0       | V   | 0.0           |
| 5435.684000     | 49.56            | ---              | 74.00          | 24.44       | 10000.0         | 1000.000        | 256.0       | V   | 0.0           |
| 5459.994000     | ---              | 39.47            | 54.00          | 14.53       | 10000.0         | 1000.000        | 155.0       | H   | 88.0          |
| 5459.994000     | 58.44            | ---              | 74.00          | 15.56       | 10000.0         | 1000.000        | 155.0       | H   | 88.0          |
| 5469.993000     | ---              | 57.27            | 68.16          | 10.89       | 10000.0         | 1000.000        | 150.0       | H   | 293.0         |
| 5469.993000     | 77.82            | ---              | 160.00         | 82.18       | 10000.0         | 1000.000        | 150.0       | H   | 293.0         |
| 5502.509000     | 112.79           | ---              | 160.00         | 47.21       | 10000.0         | 1000.000        | 155.0       | V   | 27.0          |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s

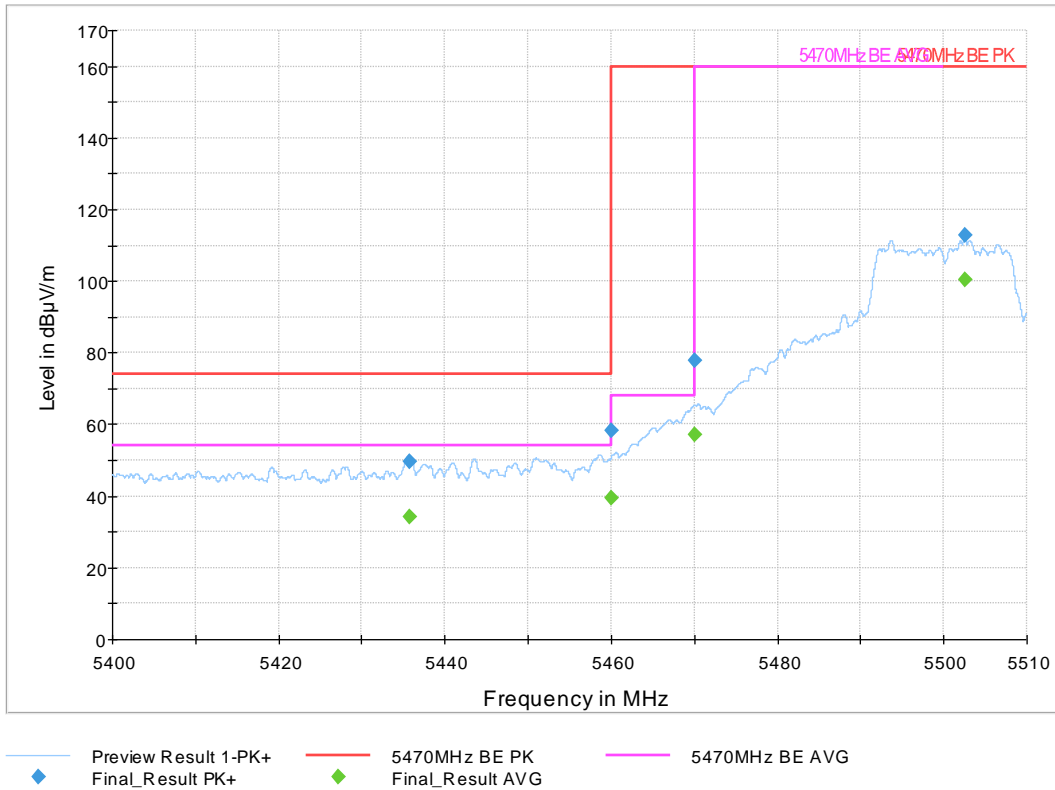


Figure 71: Radiated Band Edge – 802.11a UNII-2C Low Channel 5500MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5451.183000     | ---              | 37.65            | 54.00          | 16.35       | 10000.0         | 1000.000        | 155.0       | H   | 95.0          |
| 5451.183000     | 58.34            | ---              | 74.00          | 15.66       | 10000.0         | 1000.000        | 155.0       | H   | 95.0          |
| 5457.013000     | ---              | 40.83            | 54.00          | 13.17       | 10000.0         | 1000.000        | 105.0       | H   | 102.0         |
| 5457.013000     | 62.94            | ---              | 74.00          | 11.06       | 10000.0         | 1000.000        | 105.0       | H   | 102.0         |
| 5459.994000     | ---              | 43.81            | 54.00          | 10.19       | 10000.0         | 1000.000        | 106.0       | H   | 103.0         |
| 5459.994000     | 70.91            | ---              | 74.00          | 3.09        | 10000.0         | 1000.000        | 106.0       | H   | 103.0         |
| 5467.606000     | ---              | 48.18            | 68.16          | 19.98       | 10000.0         | 1000.000        | 155.0       | H   | 271.0         |
| 5467.606000     | 73.27            | ---              | 160.00         | 86.73       | 10000.0         | 1000.000        | 155.0       | H   | 271.0         |
| 5469.993000     | ---              | 56.51            | 68.16          | 11.65       | 10000.0         | 1000.000        | 155.0       | H   | 105.0         |
| 5469.993000     | 78.61            | ---              | 160.00         | 81.39       | 10000.0         | 1000.000        | 155.0       | H   | 105.0         |
| 5501.783000     | 110.54           | ---              | 160.00         | 49.46       | 10000.0         | 1000.000        | 154.0       | H   | 76.0          |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s

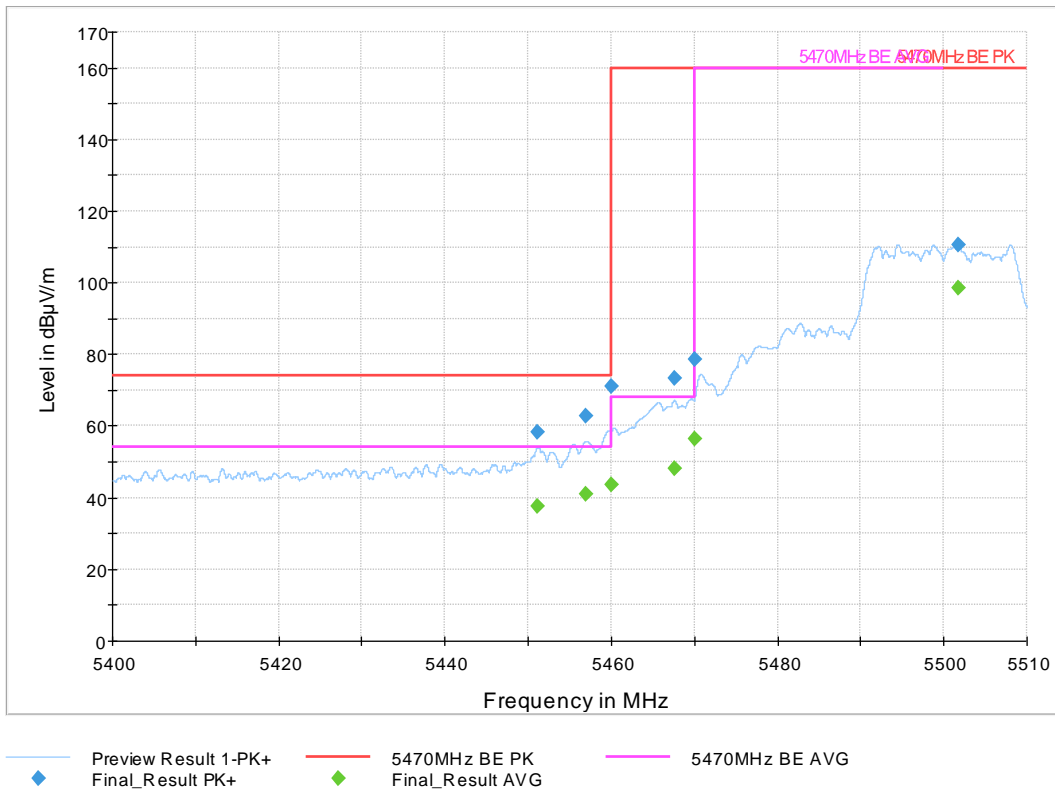


Figure 72: Radiated Band Edge – 802.11n HT20 UNII-2C Low Channel 5500MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5456.859000     | ---              | 43.01            | 54.00          | 10.99       | 10000.0         | 1000.000        | 155.0       | H   | 104.0         |
| 5456.859000     | 66.35            | ---              | 74.00          | 7.65        | 10000.0         | 1000.000        | 155.0       | H   | 104.0         |
| 5458.553000     | ---              | 45.87            | 54.00          | 8.13        | 10000.0         | 1000.000        | 150.0       | H   | 104.0         |
| 5458.553000     | 71.11            | ---              | 74.00          | 2.89        | 10000.0         | 1000.000        | 150.0       | H   | 104.0         |
| 5459.994000     | ---              | 41.34            | 54.00          | 12.66       | 10000.0         | 1000.000        | 155.0       | H   | 91.0          |
| 5459.994000     | 69.26            | ---              | 74.00          | 4.74        | 10000.0         | 1000.000        | 155.0       | H   | 91.0          |
| 5469.168000     | ---              | 48.86            | 68.16          | 19.30       | 10000.0         | 1000.000        | 154.0       | V   | 42.0          |
| 5469.168000     | 74.27            | ---              | 160.00         | 85.73       | 10000.0         | 1000.000        | 154.0       | V   | 42.0          |
| 5469.993000     | ---              | 49.02            | 68.16          | 19.14       | 10000.0         | 1000.000        | 154.0       | V   | 42.0          |
| 5469.993000     | 74.94            | ---              | 160.00         | 85.06       | 10000.0         | 1000.000        | 154.0       | V   | 42.0          |
| 5501.090000     | 111.92           | ---              | 160.00         | 48.08       | 10000.0         | 1000.000        | 154.0       | H   | 303.0         |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s

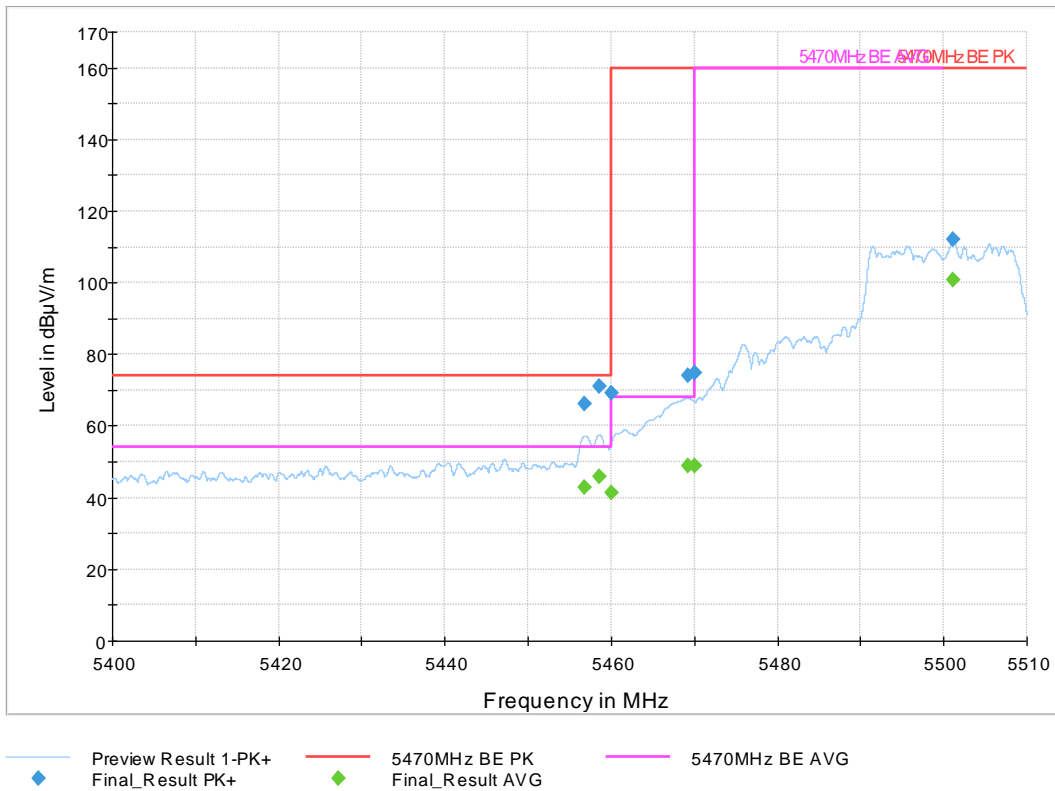
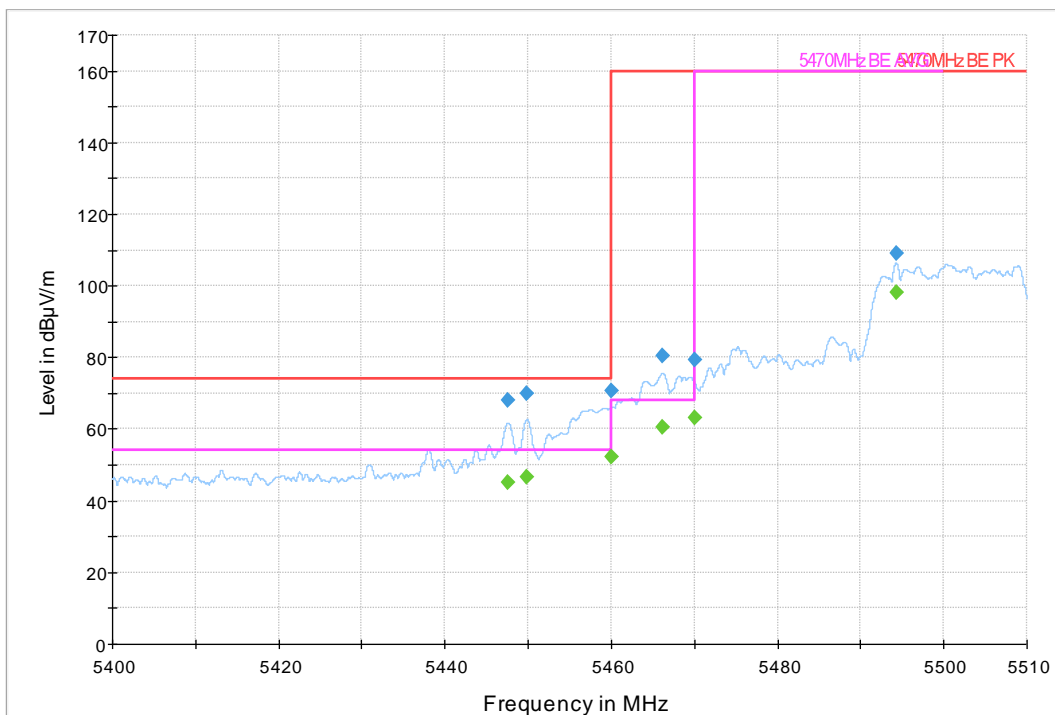


Figure 73: Radiated Band Edge – 802.11ac VHT20 UNII-2C Low Channel 5500MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5447.575000     | ---              | 45.27            | 54.00          | 8.73        | 10000.0         | 1000.000        | 153.0       | H   | 120.0         |
| 5447.575000     | 68.03            | ---              | 74.00          | 5.97        | 10000.0         | 1000.000        | 153.0       | H   | 120.0         |
| 5449.874000     | ---              | 46.70            | 54.00          | 7.30        | 10000.0         | 1000.000        | 153.0       | H   | 120.0         |
| 5449.874000     | 69.83            | ---              | 74.00          | 4.17        | 10000.0         | 1000.000        | 153.0       | H   | 120.0         |
| 5459.994000     | 70.60            | ---              | 74.00          | 3.40        | 10000.0         | 1000.000        | 153.0       | H   | 114.0         |
| 5459.994000     | ---              | 52.34            | 54.00          | 1.66        | 10000.0         | 1000.000        | 153.0       | H   | 114.0         |
| 5466.187000     | ---              | 60.70            | 68.16          | 7.46        | 10000.0         | 1000.000        | 153.0       | H   | 286.0         |
| 5466.187000     | 80.31            | ---              | 160.00         | 79.69       | 10000.0         | 1000.000        | 153.0       | H   | 286.0         |
| 5469.993000     | ---              | 63.03            | 68.16          | 5.13        | 10000.0         | 1000.000        | 154.0       | H   | 70.0          |
| 5469.993000     | 79.32            | ---              | 160.00         | 80.68       | 10000.0         | 1000.000        | 154.0       | H   | 70.0          |
| 5494.237000     | 109.07           | ---              | 160.00         | 50.93       | 10000.0         | 1000.000        | 153.0       | H   | 282.0         |
| 5494.237000     | ---              | 98.23            | 160.00         | 61.77       | 10000.0         | 1000.000        | 153.0       | H   | 282.0         |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s



◆ Preview Result 1-PK+    — 5470MHz BE PK    — 5470MHz BE AVG  
◆ Final\_Result PK+    ◆ Final\_Result AVG

Figure 74: Radiated Band Edge – 802.11n HT40 UNII-2C Low Channel 5510MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5452.184000     | 66.61            | ---              | 74.00          | 7.39        | 10000.0         | 1000.000        | 154.0       | H   | 298.0         |
| 5452.184000     | ---              | 46.75            | 54.00          | 7.25        | 10000.0         | 1000.000        | 154.0       | H   | 298.0         |
| 5459.642000     | ---              | 53.26            | 54.00          | 0.74        | 10000.0         | 1000.000        | 154.0       | H   | 78.0          |
| 5459.642000     | 72.05            | ---              | 74.00          | 1.95        | 10000.0         | 1000.000        | 154.0       | H   | 78.0          |
| 5467.826000     | ---              | 63.28            | 68.16          | 4.88        | 10000.0         | 1000.000        | 153.0       | H   | 109.0         |
| 5467.826000     | 81.20            | ---              | 160.00         | 78.80       | 10000.0         | 1000.000        | 153.0       | H   | 109.0         |
| 5469.993000     | 85.68            | ---              | 160.00         | 74.32       | 10000.0         | 1000.000        | 154.0       | H   | 102.0         |
| 5469.993000     | ---              | 66.33            | 68.16          | 1.83        | 10000.0         | 1000.000        | 154.0       | H   | 102.0         |
| 5506.370000     | 109.19           | ---              | 160.00         | 50.81       | 10000.0         | 1000.000        | 154.0       | H   | 66.0          |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s

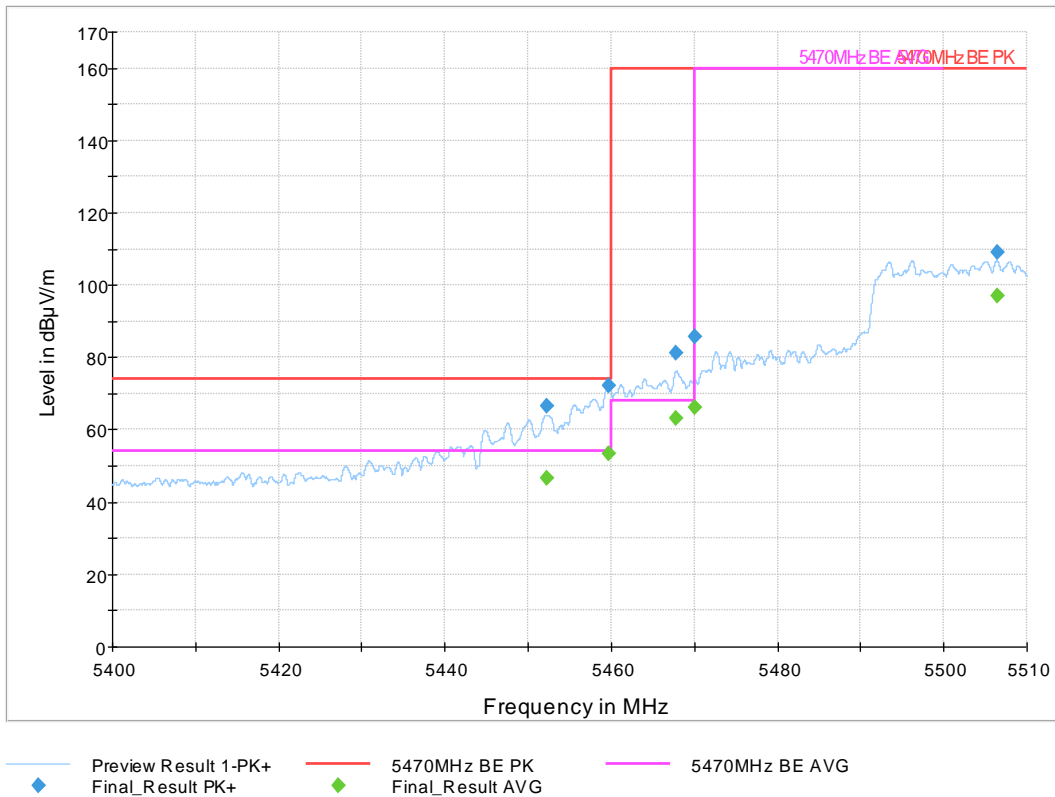
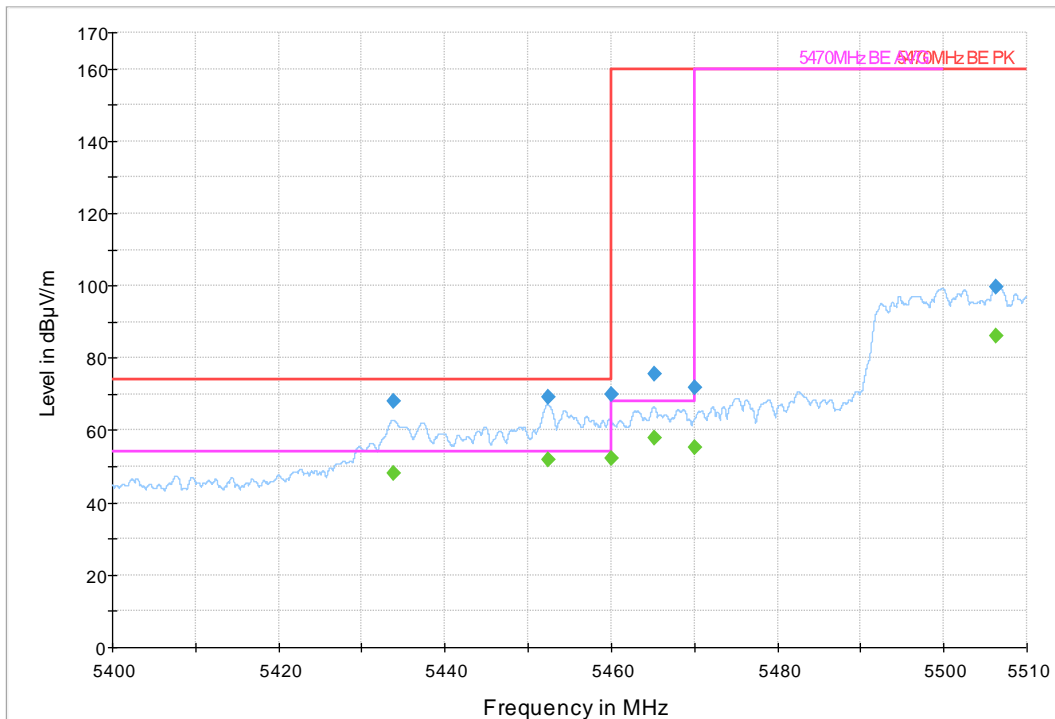


Figure 75: Radiated Band Edge – 802.11ac VHT40 UNII-2C Low Channel 5510MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 5433.759000     | 67.98            | ---              | 74.00          | 6.02        | 10000.0         | 1000.000        | 154.0       | H   | 69.0          |
| 5433.759000     | ---              | 48.00            | 54.00          | 6.00        | 10000.0         | 1000.000        | 154.0       | H   | 69.0          |
| 5452.382000     | 69.17            | ---              | 74.00          | 4.83        | 10000.0         | 1000.000        | 153.0       | H   | 65.0          |
| 5452.382000     | ---              | 51.81            | 54.00          | 2.19        | 10000.0         | 1000.000        | 153.0       | H   | 65.0          |
| 5459.994000     | 69.83            | ---              | 74.00          | 4.17        | 10000.0         | 1000.000        | 153.0       | H   | 110.0         |
| 5459.994000     | ---              | 52.33            | 54.00          | 1.67        | 10000.0         | 1000.000        | 153.0       | H   | 110.0         |
| 5465.131000     | 75.48            | ---              | 160.00         | 84.52       | 10000.0         | 1000.000        | 255.0       | V   | -5.0          |
| 5465.131000     | ---              | 57.99            | 68.16          | 10.17       | 10000.0         | 1000.000        | 255.0       | V   | -5.0          |
| 5469.993000     | 71.87            | ---              | 160.00         | 88.13       | 10000.0         | 1000.000        | 105.0       | H   | 294.0         |
| 5469.993000     | ---              | 55.13            | 68.16          | 13.03       | 10000.0         | 1000.000        | 105.0       | H   | 294.0         |
| 5506.304000     | 99.66            | ---              | 160.00         | 60.34       | 10000.0         | 1000.000        | 105.0       | H   | 291.0         |

\*RBW=1MHz, VBW=3MHz, Sweep Time=10s



◆ Preview Result 1-PK+ Final\_Result PK+    
 — 5470MHz BE PK Final\_Result PK+    
 — 5470MHz BE AVG

Figure 76: Radiated Band Edge – 802.11ac VHT80 UNII-2C Low Channel 5530MHz

| Frequency (MHz) | QuasiPeak (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------------|----------------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 42.707000       | 32.55                    | 40.00                | 7.45        | 10.0            | 120.000         | 100.0       | V   | 5.0           |
| 67.442000       | 36.99                    | 40.00                | 3.01        | 10.0            | 120.000         | 100.0       | V   | 254.0         |
| 124.963000      | 28.18                    | 43.52                | 15.34       | 10.0            | 120.000         | 100.0       | V   | 336.0         |
| 135.827000      | 25.88                    | 43.52                | 17.64       | 10.0            | 120.000         | 394.0       | H   | 72.0          |
| 167.255000      | 28.83                    | 43.52                | 14.69       | 10.0            | 120.000         | 100.0       | V   | 181.0         |
| 205.182000      | 26.24                    | 43.52                | 17.28       | 10.0            | 120.000         | 118.0       | H   | 240.0         |
| 249.996000      | 24.89                    | 46.02                | 21.13       | 10.0            | 120.000         | 100.0       | H   | 255.0         |
| 352.331000      | 18.04                    | 46.02                | 27.98       | 10.0            | 120.000         | 105.0       | V   | 357.0         |
| 486.385000      | 23.38                    | 46.02                | 22.64       | 10.0            | 120.000         | 100.0       | H   | 318.0         |
| 576.013000      | 28.88                    | 46.02                | 17.14       | 10.0            | 120.000         | 207.0       | H   | 198.0         |
| 843.345000      | 19.42                    | 46.02                | 26.60       | 10.0            | 120.000         | 369.0       | H   | 337.0         |
| 999.903000      | 25.80                    | 53.98                | 28.18       | 10.0            | 120.000         | 100.0       | H   | 213.0         |

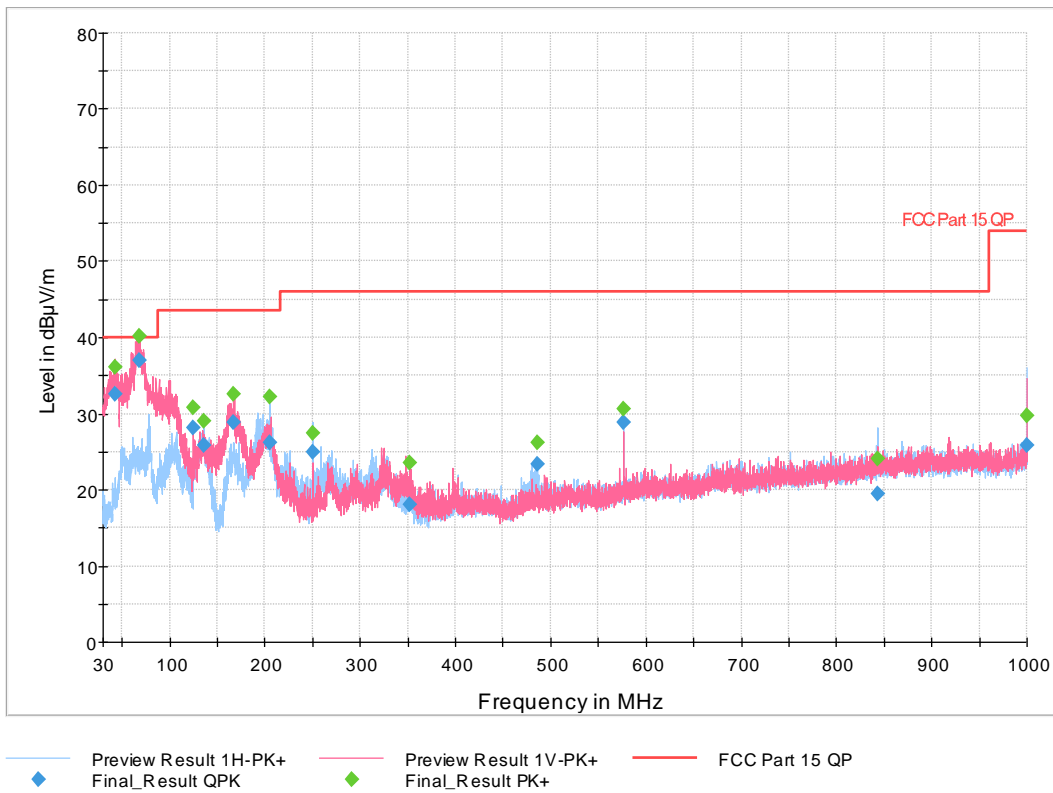


Figure 77: Radiated Emissions 30-1000MHz (Worst Case) – UNII-2A 802.11a High Channel 5320MHz

| Frequency (MHz) | QuasiPeak (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) |
|-----------------|--------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|
| 41.252000       | 32.09              | 40.00          | 7.91        | 10.0            | 120.000         | 100.0       | V   | 94.0          |
| 67.054000       | 36.38              | 40.00          | 3.62        | 10.0            | 120.000         | 100.0       | V   | 143.0         |
| 124.963000      | 26.56              | 43.52          | 16.96       | 10.0            | 120.000         | 100.0       | V   | 348.0         |
| 164.539000      | 29.28              | 43.52          | 14.24       | 10.0            | 120.000         | 100.0       | V   | 215.0         |
| 201.690000      | 25.88              | 43.52          | 17.64       | 10.0            | 120.000         | 209.0       | V   | 21.0          |
| 249.996000      | 27.81              | 46.02          | 18.21       | 10.0            | 120.000         | 100.0       | H   | 279.0         |
| 313.628000      | 20.50              | 46.02          | 25.52       | 10.0            | 120.000         | 100.0       | H   | 244.0         |
| 486.385000      | 23.07              | 46.02          | 22.95       | 10.0            | 120.000         | 100.0       | H   | 300.0         |
| 576.013000      | 29.43              | 46.02          | 16.59       | 10.0            | 120.000         | 150.0       | H   | 144.0         |
| 842.181000      | 18.31              | 46.02          | 27.71       | 10.0            | 120.000         | 317.0       | V   | 51.0          |
| 999.903000      | 21.77              | 53.98          | 32.21       | 10.0            | 120.000         | 254.0       | H   | -5.0          |

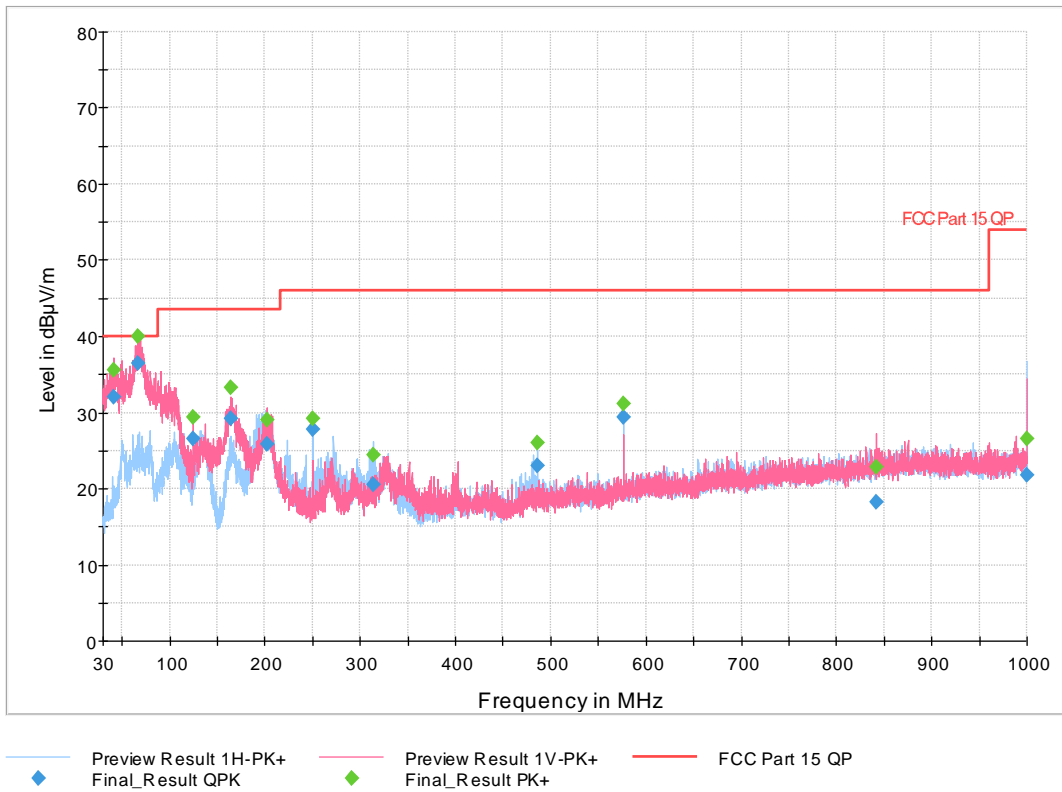


Figure 78: Radiated Emissions 30-1000MHz (Worst Case) – UNII-2C 802.11a High Channel 5700MHz



| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 13542.999029    | 55.16            | ---              | 74.00          | 18.84       | 1000.000        | 100.0       | V   | 71.0          | 15.7         |
| 13542.999029    | ---              | 41.71            | 54.00          | 12.29       | 1000.000        | 100.0       | V   | 71.0          | 15.7         |
| 14840.500000    | ---              | 41.92            | 54.00          | 12.08       | 1000.000        | 253.0       | H   | 25.0          | 17.6         |
| 14840.500000    | 55.44            | ---              | 74.00          | 18.56       | 1000.000        | 253.0       | H   | 25.0          | 17.6         |
| 16443.000971    | 56.68            | ---              | 74.00          | 17.32       | 1000.000        | 350.0       | H   | 255.0         | 18.8         |
| 16443.000971    | ---              | 43.47            | 54.00          | 10.53       | 1000.000        | 350.0       | H   | 255.0         | 18.8         |
| 16877.500971    | ---              | 43.70            | 54.00          | 10.30       | 1000.000        | 150.0       | H   | 93.0          | 19.5         |
| 16877.500971    | 57.08            | ---              | 74.00          | 16.92       | 1000.000        | 150.0       | H   | 93.0          | 19.5         |
| 17417.362000    | 58.08            | ---              | 74.00          | 15.92       | 1000.000        | 100.0       | V   | 313.0         | 20.8         |
| 17417.362000    | ---              | 44.77            | 54.00          | 9.23        | 1000.000        | 100.0       | V   | 313.0         | 20.8         |
| 17493.868029    | ---              | 44.55            | 54.00          | 9.45        | 1000.000        | 250.0       | H   | 40.0          | 20.5         |
| 17493.868029    | 58.14            | ---              | 74.00          | 15.86       | 1000.000        | 250.0       | H   | 40.0          | 20.5         |
| 17980.425971    | 60.33            | ---              | 74.00          | 13.67       | 1000.000        | 100.0       | V   | 19.0          | 21.2         |
| 17980.425971    | ---              | 45.03            | 54.00          | 8.97        | 1000.000        | 100.0       | V   | 19.0          | 21.2         |

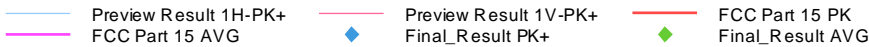
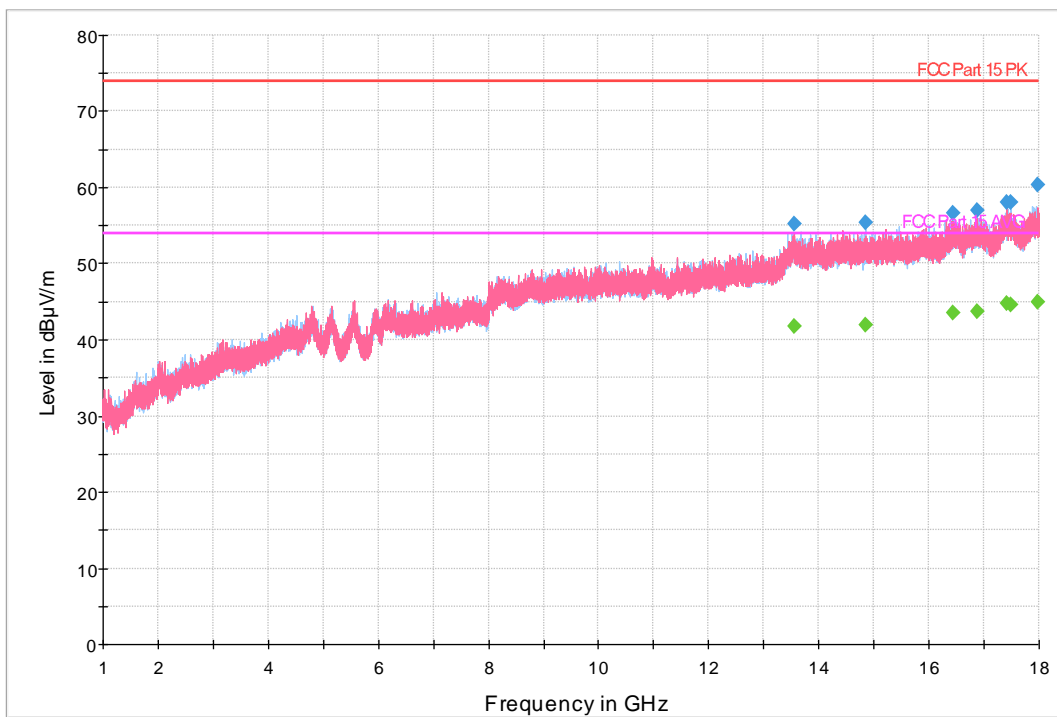


Figure 79: Radiated Emissions 1-18GHz – UNII-2A 802.11a Low Channel 5260MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 13507.499029    | ---              | 42.05            | 54.00          | 11.95       | 1000.000        | 254.0       | V   | 269.0         | 15.9         |
| 13507.499029    | 55.69            | ---              | 74.00          | 18.31       | 1000.000        | 254.0       | V   | 269.0         | 15.9         |
| 14294.925000    | ---              | 41.74            | 54.00          | 12.26       | 1000.000        | 154.0       | V   | 25.0          | 17.4         |
| 14294.925000    | 54.91            | ---              | 74.00          | 19.09       | 1000.000        | 154.0       | V   | 25.0          | 17.4         |
| 16465.035971    | 57.45            | ---              | 74.00          | 16.55       | 1000.000        | 353.0       | H   | 135.0         | 18.9         |
| 16465.035971    | ---              | 43.49            | 54.00          | 10.51       | 1000.000        | 353.0       | H   | 135.0         | 18.9         |
| 16884.777971    | 57.09            | ---              | 74.00          | 16.91       | 1000.000        | 350.0       | V   | 101.0         | 19.5         |
| 16884.777971    | ---              | 43.54            | 54.00          | 10.46       | 1000.000        | 350.0       | V   | 101.0         | 19.5         |
| 17354.332971    | 58.16            | ---              | 74.00          | 15.84       | 1000.000        | 150.0       | V   | 273.0         | 20.7         |
| 17354.332971    | ---              | 44.38            | 54.00          | 9.62        | 1000.000        | 150.0       | V   | 273.0         | 20.7         |
| 17866.500000    | 58.63            | ---              | 74.00          | 15.37       | 1000.000        | 156.0       | V   | 203.0         | 21.2         |
| 17866.500000    | ---              | 44.92            | 54.00          | 9.08        | 1000.000        | 156.0       | V   | 203.0         | 21.2         |

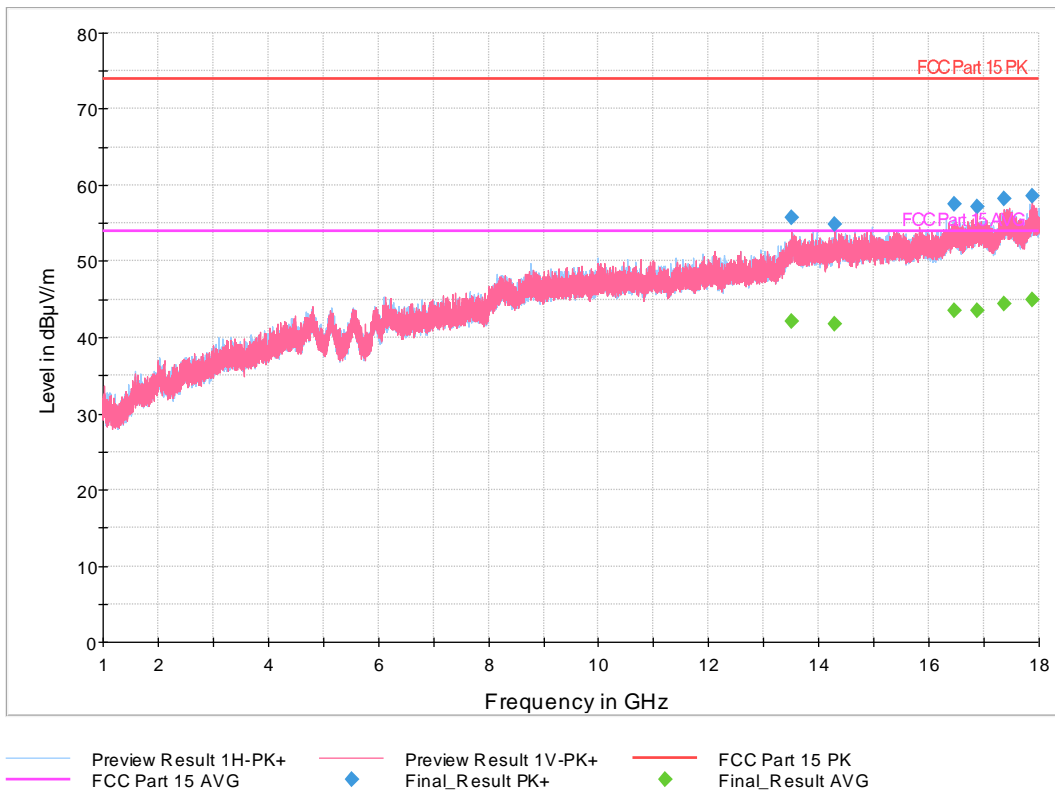
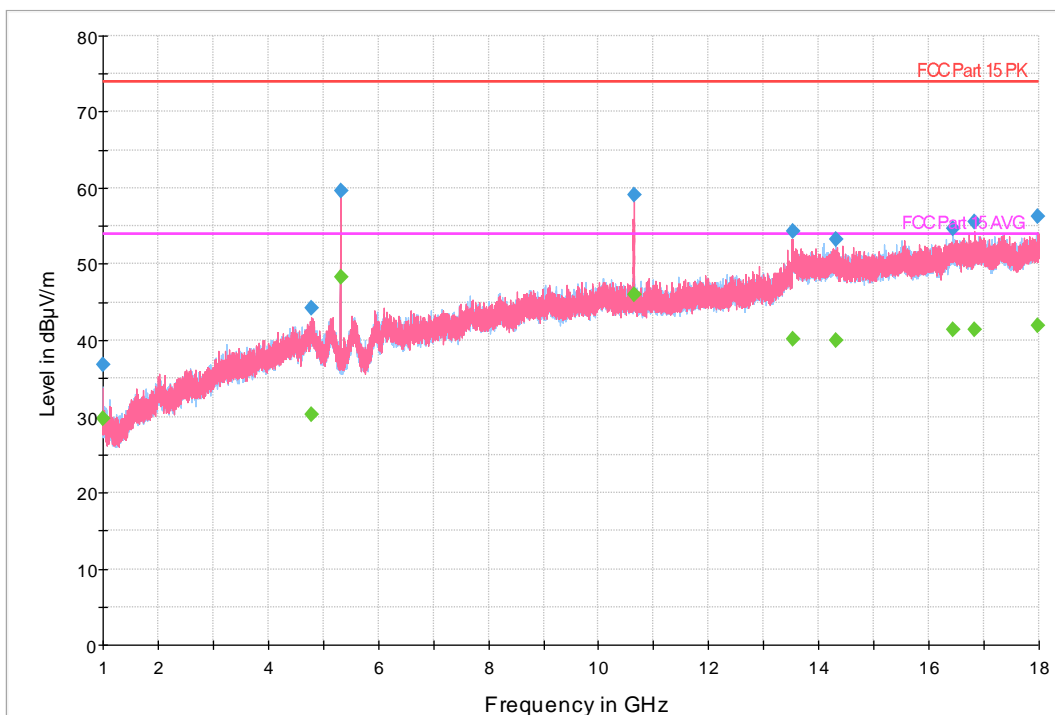


Figure 80: Radiated Emissions 1-18GHz – UNII-2A 802.11a Mid Channel 5300MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.000985     | ---              | 29.73            | 54.00          | 24.27       | 1000.000        | 100.0       | H   | 211.0         | -7.6         |
| 1000.000985     | 36.88            | ---              | 74.00          | 37.12       | 1000.000        | 100.0       | H   | 211.0         | -7.6         |
| 4784.585000     | 44.31            | ---              | 74.00          | 29.69       | 1000.000        | 354.0       | V   | 108.0         | 7.1          |
| 4784.585000     | ---              | 30.29            | 54.00          | 23.71       | 1000.000        | 354.0       | V   | 108.0         | 7.1          |
| 5322.197000     | 59.66            | ---              | N/A*           | N/A*        | 1000.000        | 154.0       | V   | 247.0         | 7.4          |
| 5322.197000     | ---              | 48.41            | N/A*           | N/A*        | 1000.000        | 154.0       | V   | 247.0         | 7.4          |
| 10639.073029    | 59.16            | ---              | 74.00          | 14.84       | 1000.000        | 100.0       | V   | 353.0         | 12.3         |
| 10639.073029    | ---              | 46.03            | 54.00          | 7.97        | 1000.000        | 100.0       | V   | 353.0         | 12.3         |
| 13535.566000    | 54.27            | ---              | 74.00          | 19.73       | 1000.000        | 150.0       | V   | 35.0          | 15.8         |
| 13535.566000    | ---              | 40.19            | 54.00          | 13.81       | 1000.000        | 150.0       | V   | 35.0          | 15.8         |
| 14309.286029    | 53.34            | ---              | 74.00          | 20.66       | 1000.000        | 355.0       | H   | 157.0         | 17.4         |
| 14309.286029    | ---              | 40.00            | 54.00          | 14.00       | 1000.000        | 355.0       | H   | 157.0         | 17.4         |
| 16428.953000    | ---              | 41.43            | 54.00          | 12.57       | 1000.000        | 150.0       | H   | 75.0          | 18.7         |
| 16428.953000    | 54.70            | ---              | 74.00          | 19.30       | 1000.000        | 150.0       | H   | 75.0          | 18.7         |
| 16833.110000    | ---              | 41.36            | 54.00          | 12.64       | 1000.000        | 255.0       | V   | 178.0         | 19.2         |
| 16833.110000    | 55.64            | ---              | 74.00          | 18.36       | 1000.000        | 255.0       | V   | 178.0         | 19.2         |
| 17967.640000    | 56.31            | ---              | 74.00          | 17.69       | 1000.000        | 100.0       | V   | 6.0           | 21.2         |
| 17967.640000    | ---              | 41.93            | 54.00          | 12.07       | 1000.000        | 100.0       | V   | 6.0           | 21.2         |

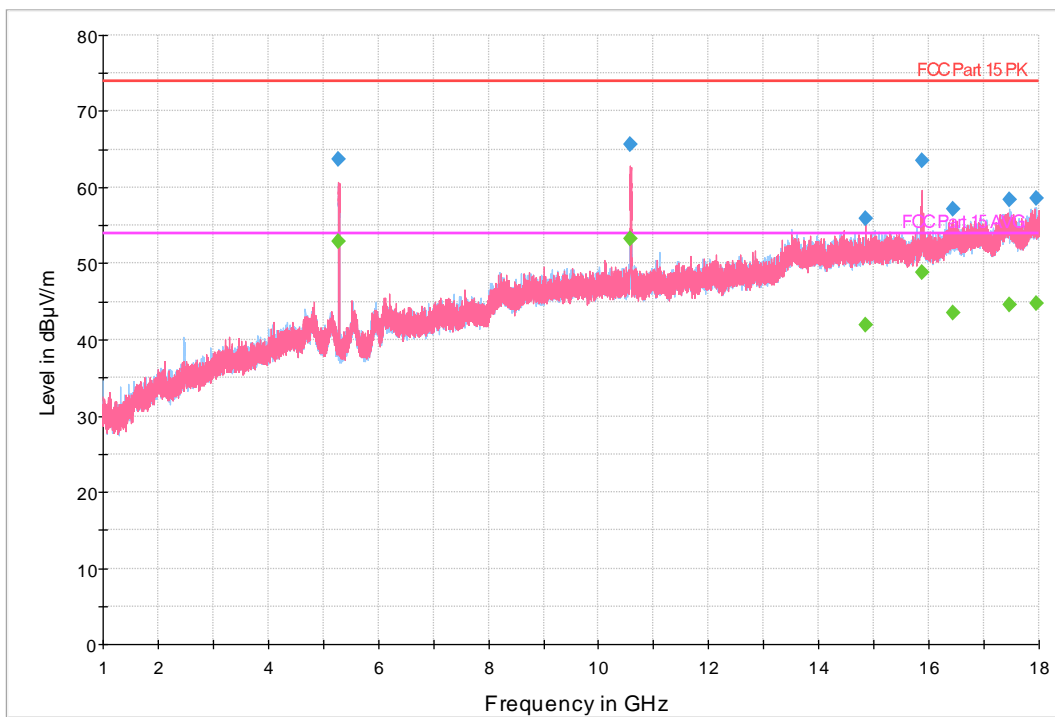
\*Fundamental transmission is excluded from spurious emission limits



Preview Result 1H-PK+      Preview Result 1V-PK+      FCC Part 15 PK  
 FCC Part 15 AVG      Final Result PK+      Final Result AVG

Figure 81: Radiated Emissions 1-18GHz – UNII-2A 802.11a High Channel 5320MHz

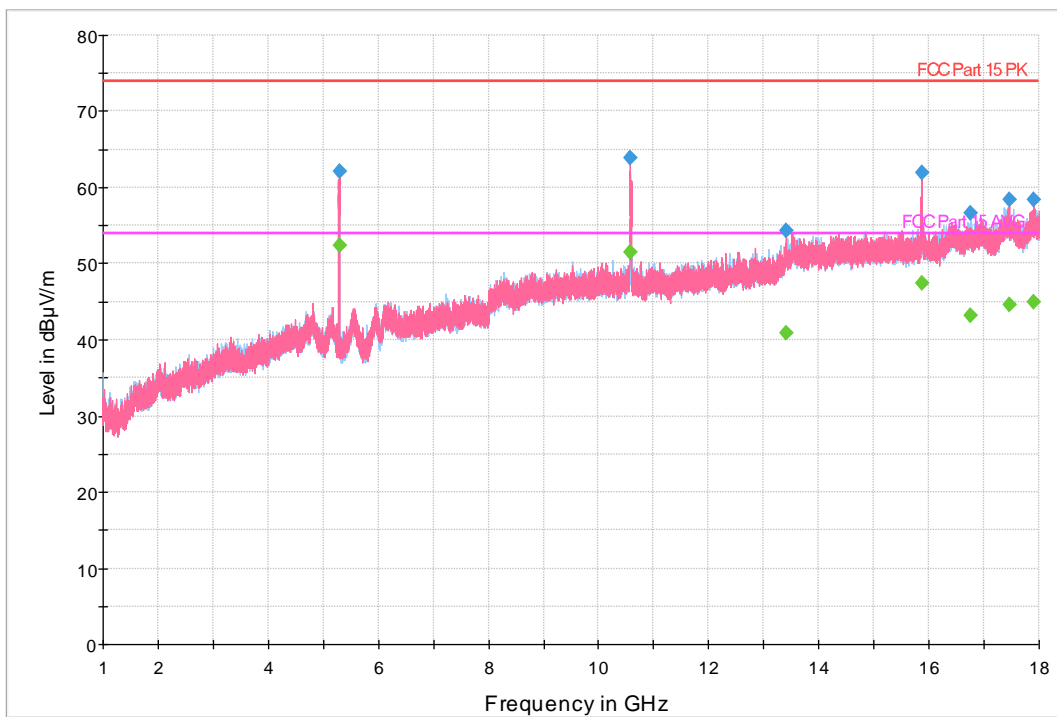
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 5286.000971     | 63.67            | ---              | 74.00          | 10.33       | 1000.000        | 155.0       | V   | 259.0         | 7.3          |
| 5286.000971     | ---              | 53.00            | 54.00          | 1.00        | 1000.000        | 155.0       | V   | 259.0         | 7.3          |
| 10585.915000    | 65.66            | ---              | 74.00          | 8.34        | 1000.000        | 100.0       | V   | 346.0         | 12.4         |
| 10585.915000    | ---              | 53.35            | 54.00          | 0.65        | 1000.000        | 100.0       | V   | 346.0         | 12.4         |
| 14849.562971    | ---              | 42.01            | 54.00          | 11.99       | 1000.000        | 100.0       | V   | 205.0         | 17.7         |
| 14849.562971    | 55.85            | ---              | 74.00          | 18.15       | 1000.000        | 100.0       | V   | 205.0         | 17.7         |
| 15866.500000    | ---              | 48.76            | 54.00          | 5.24        | 1000.000        | 100.0       | V   | 309.0         | 18.1         |
| 15866.500000    | 63.60            | ---              | 74.00          | 10.40       | 1000.000        | 100.0       | V   | 309.0         | 18.1         |
| 16433.549000    | 57.20            | ---              | 74.00          | 16.80       | 1000.000        | 150.0       | V   | 58.0          | 18.7         |
| 16433.549000    | ---              | 43.58            | 54.00          | 10.42       | 1000.000        | 150.0       | V   | 58.0          | 18.7         |
| 17468.999029    | ---              | 44.58            | 54.00          | 9.42        | 1000.000        | 350.0       | H   | 16.0          | 20.5         |
| 17468.999029    | 58.44            | ---              | 74.00          | 15.56       | 1000.000        | 350.0       | H   | 16.0          | 20.5         |
| 17958.000000    | 58.58            | ---              | 74.00          | 15.42       | 1000.000        | 354.0       | H   | 310.0         | 21.2         |
| 17958.000000    | ---              | 44.84            | 54.00          | 9.16        | 1000.000        | 354.0       | H   | 310.0         | 21.2         |



— Preview Result 1H-PK+     — Preview Result 1V-PK+     — FCC Part 15 PK  
— FCC Part 15 AVG     ◆ Final\_Result PK+     ◆ Final\_Result AVG

Figure 82: Radiated Emissions 1-18GHz – UNII-2C 802.11a Low Channel 5500MHz

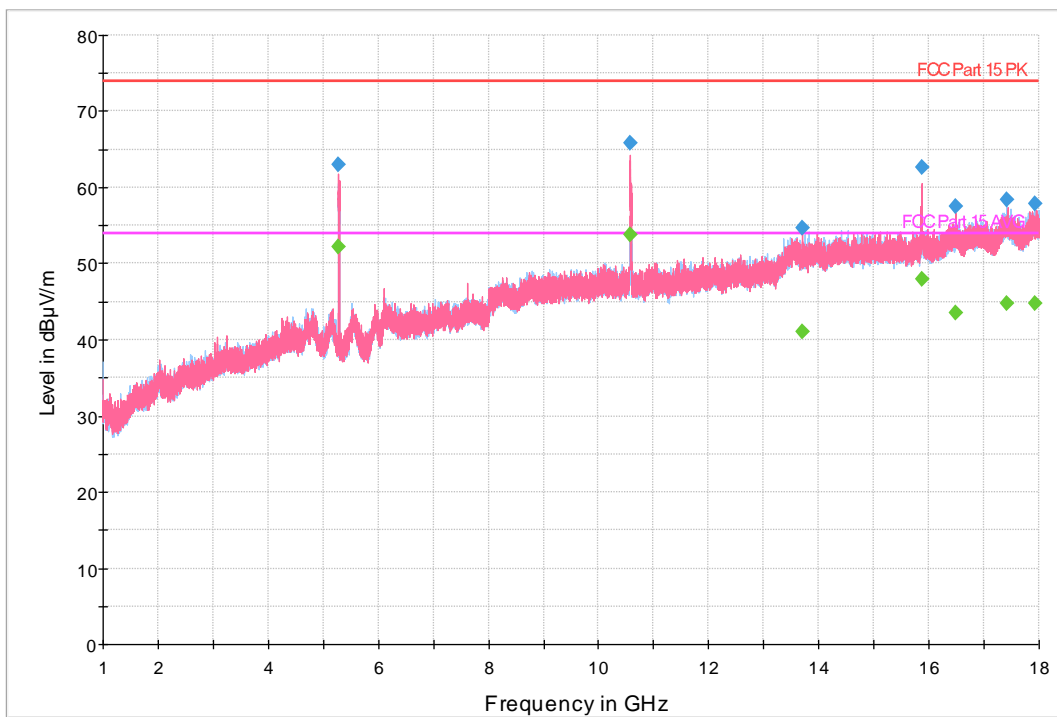
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 5297.000971     | 62.07            | ---              | 74.00          | 11.93       | 1000.000        | 153.0       | V   | 256.0         | 7.3          |
| 5297.000971     | ---              | 52.39            | 54.00          | 1.61        | 1000.000        | 153.0       | V   | 256.0         | 7.3          |
| 10574.824000    | ---              | 51.48            | 54.00          | 2.52        | 1000.000        | 100.0       | V   | 356.0         | 12.5         |
| 10574.824000    | 63.91            | ---              | 74.00          | 10.09       | 1000.000        | 100.0       | V   | 356.0         | 12.5         |
| 13403.000000    | ---              | 40.94            | 54.00          | 13.06       | 1000.000        | 354.0       | V   | 327.0         | 16.1         |
| 13403.000000    | 54.36            | ---              | 74.00          | 19.64       | 1000.000        | 354.0       | V   | 327.0         | 16.1         |
| 15873.500000    | 61.97            | ---              | 74.00          | 12.03       | 1000.000        | 155.0       | V   | -2.0          | 18.2         |
| 15873.500000    | ---              | 47.45            | 54.00          | 6.55        | 1000.000        | 155.0       | V   | -2.0          | 18.2         |
| 16766.000000    | 56.68            | ---              | 74.00          | 17.32       | 1000.000        | 350.0       | H   | 36.0          | 18.9         |
| 16766.000000    | ---              | 43.27            | 54.00          | 10.73       | 1000.000        | 350.0       | H   | 36.0          | 18.9         |
| 17471.848029    | ---              | 44.60            | 54.00          | 9.40        | 1000.000        | 250.0       | V   | 320.0         | 20.5         |
| 17471.848029    | 58.37            | ---              | 74.00          | 15.63       | 1000.000        | 250.0       | V   | 320.0         | 20.5         |
| 17897.430971    | 58.44            | ---              | 74.00          | 15.56       | 1000.000        | 154.0       | V   | 78.0          | 21.4         |
| 17897.430971    | ---              | 44.90            | 54.00          | 9.10        | 1000.000        | 154.0       | V   | 78.0          | 21.4         |



— Preview Result 1H-PK+     — Preview Result 1V-PK+     — FCC Part 15 PK  
— FCC Part 15 AVG     ◆ Final\_Result PK+     ◆ Final\_Result AVG

Figure 83: Radiated Emissions 1-18GHz – UNII-2C 802.11a Mid Channel 5600MHz

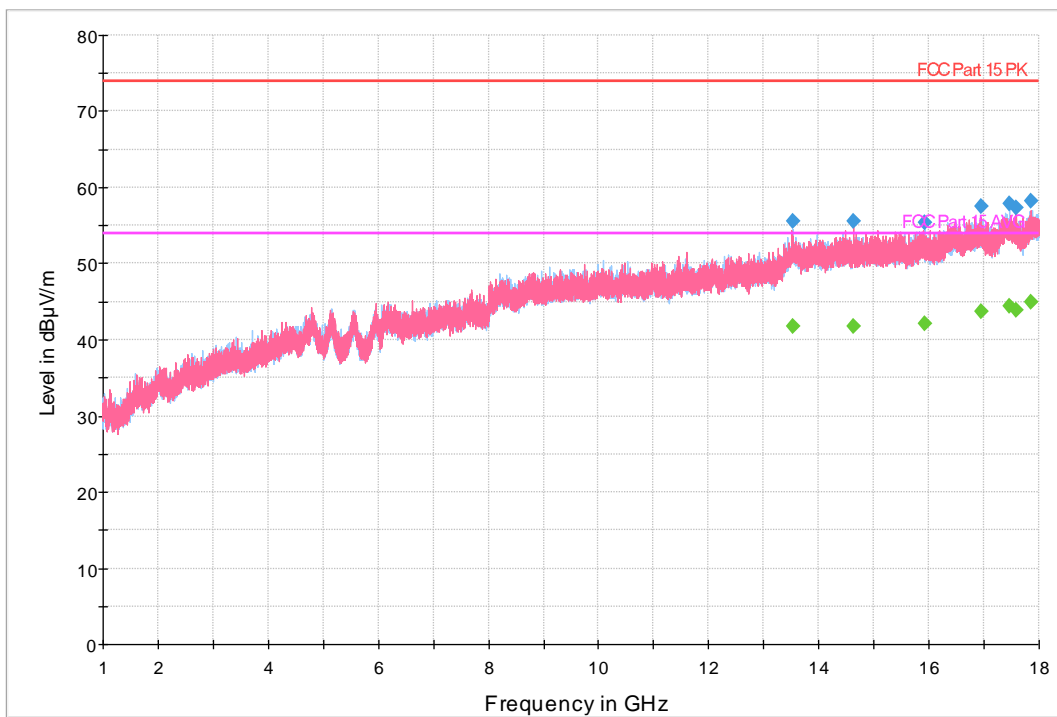
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 5286.000000     | ---              | 52.16            | 54.00          | 1.84        | 1000.000        | 153.0       | V   | 257.0         | 7.3          |
| 5286.000000     | 62.97            | ---              | 74.00          | 11.03       | 1000.000        | 153.0       | V   | 257.0         | 7.3          |
| 10577.781000    | 65.81            | ---              | 74.00          | 8.19        | 1000.000        | 100.0       | V   | 1.0           | 12.4         |
| 10577.781000    | ---              | 53.84            | 54.00          | 0.16        | 1000.000        | 100.0       | V   | 1.0           | 12.4         |
| 13699.615000    | 54.75            | ---              | 74.00          | 19.25       | 1000.000        | 356.0       | V   | 324.0         | 15.6         |
| 13699.615000    | ---              | 41.05            | 54.00          | 12.95       | 1000.000        | 356.0       | V   | 324.0         | 15.6         |
| 15875.897000    | ---              | 47.92            | 54.00          | 6.08        | 1000.000        | 152.0       | V   | 0.0           | 18.2         |
| 15875.897000    | 62.63            | ---              | 74.00          | 11.37       | 1000.000        | 152.0       | V   | 0.0           | 18.2         |
| 16484.500971    | 57.59            | ---              | 74.00          | 16.41       | 1000.000        | 156.0       | V   | 343.0         | 18.9         |
| 16484.500971    | ---              | 43.54            | 54.00          | 10.46       | 1000.000        | 156.0       | V   | 343.0         | 18.9         |
| 17408.678029    | ---              | 44.81            | 54.00          | 9.19        | 1000.000        | 100.0       | H   | 4.0           | 20.9         |
| 17408.678029    | 58.48            | ---              | 74.00          | 15.52       | 1000.000        | 100.0       | H   | 4.0           | 20.9         |
| 17915.999029    | 57.96            | ---              | 74.00          | 16.04       | 1000.000        | 150.0       | H   | -2.0          | 21.3         |
| 17915.999029    | ---              | 44.84            | 54.00          | 9.16        | 1000.000        | 150.0       | H   | -2.0          | 21.3         |



— Preview Result 1H-PK+     — Preview Result 1V-PK+     — FCC Part 15 PK  
— FCC Part 15 AVG     ◆ Final\_Result PK+     ◆ Final\_Result AVG

Figure 84: Radiated Emissions 1-18GHz – UNII-2C 802.11a High Channel 5700MHz

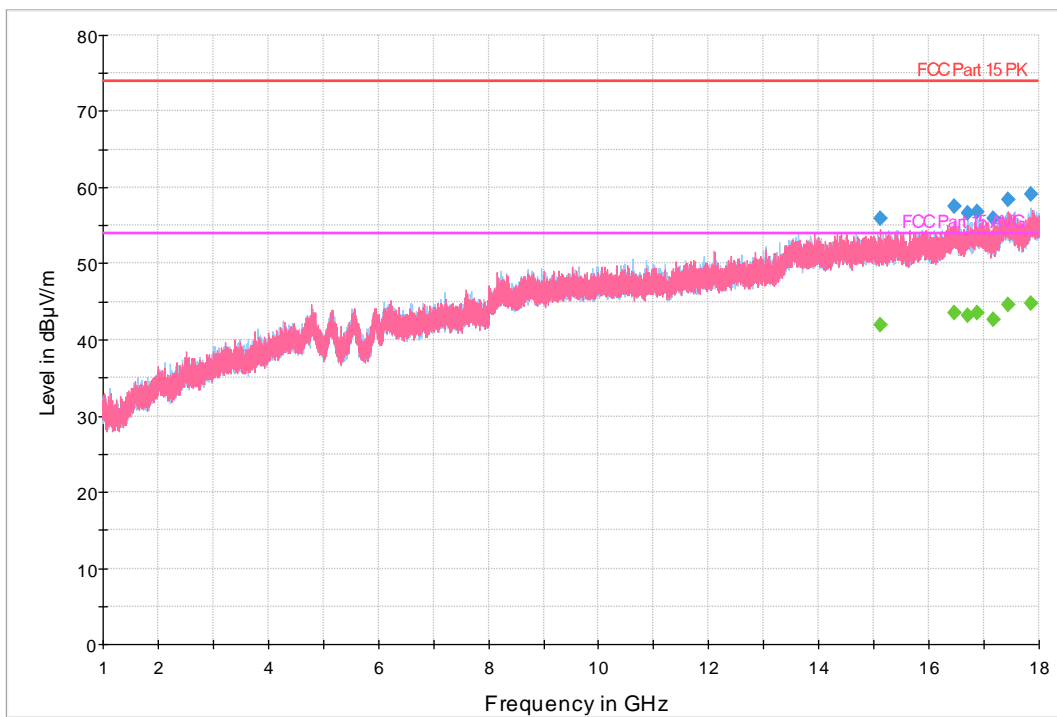
| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 13524.484000    | ---              | 41.85            | 54.00          | 12.15       | 1000.000        | 250.0       | H   | 46.0          | 15.8         |
| 13524.484000    | 55.60            | ---              | 74.00          | 18.40       | 1000.000        | 250.0       | H   | 46.0          | 15.8         |
| 14634.901971    | ---              | 41.85            | 54.00          | 12.15       | 1000.000        | 100.0       | V   | 134.0         | 17.4         |
| 14634.901971    | 55.58            | ---              | 74.00          | 18.42       | 1000.000        | 100.0       | V   | 134.0         | 17.4         |
| 15932.024029    | ---              | 42.06            | 54.00          | 11.94       | 1000.000        | 155.0       | H   | 1.0           | 18.0         |
| 15932.024029    | 55.43            | ---              | 74.00          | 18.57       | 1000.000        | 155.0       | H   | 1.0           | 18.0         |
| 16945.934000    | ---              | 43.70            | 54.00          | 10.30       | 1000.000        | 250.0       | V   | 139.0         | 19.9         |
| 16945.934000    | 57.53            | ---              | 74.00          | 16.47       | 1000.000        | 250.0       | V   | 139.0         | 19.9         |
| 17453.500000    | 57.91            | ---              | 74.00          | 16.09       | 1000.000        | 150.0       | H   | 90.0          | 20.6         |
| 17453.500000    | ---              | 44.50            | 54.00          | 9.50        | 1000.000        | 150.0       | H   | 90.0          | 20.6         |
| 17575.607029    | ---              | 43.92            | 54.00          | 10.08       | 1000.000        | 150.0       | V   | 271.0         | 20.2         |
| 17575.607029    | 57.31            | ---              | 74.00          | 16.69       | 1000.000        | 150.0       | V   | 271.0         | 20.2         |
| 17865.014971    | 58.25            | ---              | 74.00          | 15.75       | 1000.000        | 154.0       | V   | 35.0          | 21.2         |
| 17865.014971    | ---              | 44.88            | 54.00          | 9.12        | 1000.000        | 154.0       | V   | 35.0          | 21.2         |



— Preview Result 1H-PK+     — Preview Result 1V-PK+     — FCC Part 15 PK  
— FCC Part 15 AVG     ◆ Final\_Result PK+     ◆ Final\_Result AVG

Figure 85: Radiated Emissions 1-18GHz – UNII-2A 802.11n HT20 Low Channel 5260MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 15110.336000    | 55.93            | ---              | 74.00          | 18.07       | 1000.000        | 100.0       | V   | 115.0         | 17.5         |
| 15110.336000    | ---              | 41.96            | 54.00          | 12.04       | 1000.000        | 100.0       | V   | 115.0         | 17.5         |
| 16456.065000    | ---              | 43.57            | 54.00          | 10.43       | 1000.000        | 255.0       | V   | 299.0         | 18.8         |
| 16456.065000    | 57.58            | ---              | 74.00          | 16.42       | 1000.000        | 255.0       | V   | 299.0         | 18.8         |
| 16709.000000    | ---              | 43.13            | 54.00          | 10.87       | 1000.000        | 350.0       | H   | 92.0          | 19.0         |
| 16709.000000    | 56.62            | ---              | 74.00          | 17.38       | 1000.000        | 350.0       | H   | 92.0          | 19.0         |
| 16883.010000    | 56.85            | ---              | 74.00          | 17.15       | 1000.000        | 350.0       | H   | 270.0         | 19.5         |
| 16883.010000    | ---              | 43.45            | 54.00          | 10.55       | 1000.000        | 350.0       | H   | 270.0         | 19.5         |
| 17163.500971    | 55.90            | ---              | 74.00          | 18.10       | 1000.000        | 256.0       | V   | -1.0          | 19.3         |
| 17163.500971    | ---              | 42.64            | 54.00          | 11.36       | 1000.000        | 256.0       | V   | -1.0          | 19.3         |
| 17440.602000    | 58.35            | ---              | 74.00          | 15.65       | 1000.000        | 154.0       | V   | 216.0         | 20.7         |
| 17440.602000    | ---              | 44.56            | 54.00          | 9.44        | 1000.000        | 154.0       | V   | 216.0         | 20.7         |
| 17865.000971    | ---              | 44.85            | 54.00          | 9.15        | 1000.000        | 150.0       | H   | 163.0         | 21.2         |
| 17865.000971    | 59.06            | ---              | 74.00          | 14.94       | 1000.000        | 150.0       | H   | 163.0         | 21.2         |



— Preview Result 1H-PK+     — Preview Result 1V-PK+     — FCC Part 15 PK  
— FCC Part 15 AVG     ◆ Final\_Result PK+     ◆ Final\_Result AVG

Figure 86: Radiated Emissions 1-18GHz – UNII-2A 802.11n HT20 Mid Channel 5300MHz



| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.021985     | 36.17            | ---              | 74.00          | 37.83       | 1000.000        | 100.0       | V   | 287.0         | -7.6         |
| 1000.021985     | ---              | 29.23            | 54.00          | 24.77       | 1000.000        | 100.0       | V   | 287.0         | -7.6         |
| 4814.531971     | 44.38            | ---              | 74.00          | 29.62       | 1000.000        | 100.0       | V   | 35.0          | 7.2          |
| 4814.531971     | ---              | 30.77            | 54.00          | 23.23       | 1000.000        | 100.0       | V   | 35.0          | 7.2          |
| 5313.780000     | ---              | 44.99            | 54.00          | 9.01        | 1000.000        | 156.0       | V   | 255.0         | 7.4          |
| 5313.780000     | 57.95            | ---              | 74.00          | 16.05       | 1000.000        | 156.0       | V   | 255.0         | 7.4          |
| 10638.000000    | 56.09            | ---              | 74.00          | 17.91       | 1000.000        | 100.0       | V   | -5.0          | 12.3         |
| 10638.000000    | ---              | 42.42            | 54.00          | 11.58       | 1000.000        | 100.0       | V   | -5.0          | 12.3         |
| 13520.610000    | 53.97            | ---              | 74.00          | 20.03       | 1000.000        | 100.0       | H   | 337.0         | 15.8         |
| 13520.610000    | ---              | 40.13            | 54.00          | 13.87       | 1000.000        | 100.0       | H   | 337.0         | 15.8         |
| 16434.000000    | 55.41            | ---              | 74.00          | 18.59       | 1000.000        | 350.0       | V   | 6.0           | 18.7         |
| 16434.000000    | ---              | 41.43            | 54.00          | 12.57       | 1000.000        | 350.0       | V   | 6.0           | 18.7         |
| 17384.607000    | 55.39            | ---              | 74.00          | 18.61       | 1000.000        | 356.0       | V   | 175.0         | 20.9         |
| 17384.607000    | ---              | 41.69            | 54.00          | 12.31       | 1000.000        | 356.0       | V   | 175.0         | 20.9         |
| 17972.000000    | ---              | 42.04            | 54.00          | 11.96       | 1000.000        | 250.0       | H   | 137.0         | 21.2         |
| 17972.000000    | 55.34            | ---              | 74.00          | 18.66       | 1000.000        | 250.0       | H   | 137.0         | 21.2         |

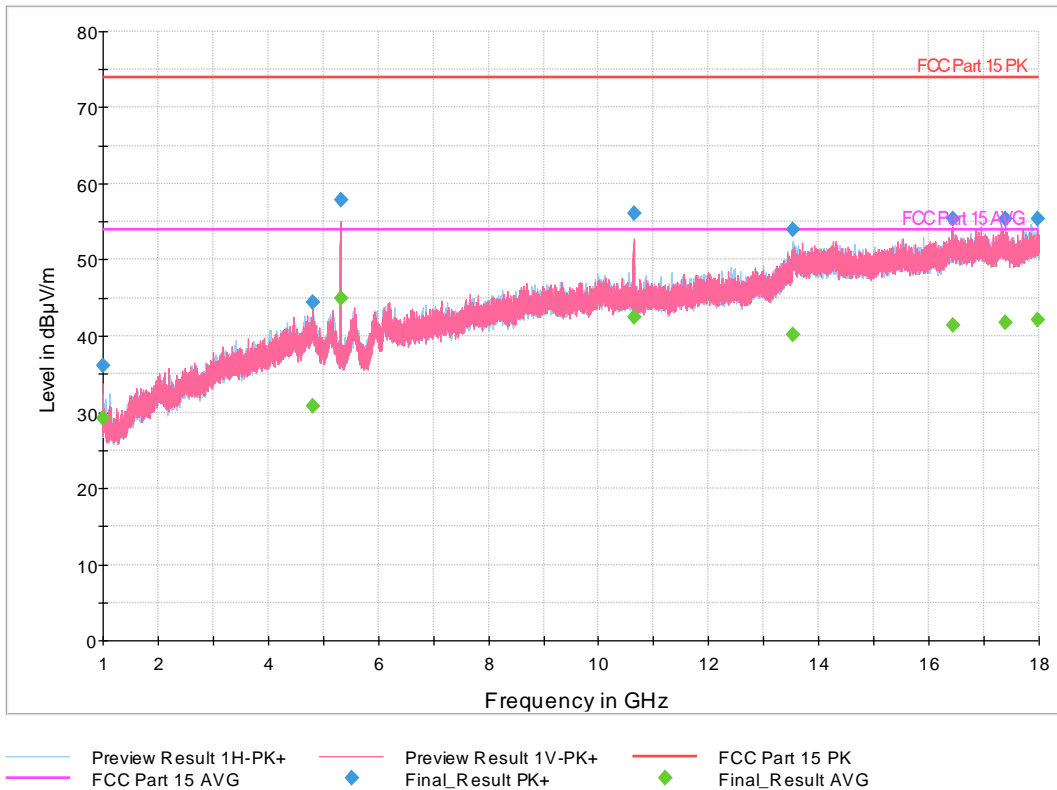


Figure 87: Radiated Emissions 1-18GHz – UNII-2A 802.11n HT20 High Channel 5320MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.000985     | 36.34            | ---              | 74.00          | 37.66       | 1000.000        | 100.0       | V   | 339.0         | -7.6         |
| 1000.000985     | ---              | 29.42            | 54.00          | 24.58       | 1000.000        | 100.0       | V   | 339.0         | -7.6         |
| 4711.313000     | 44.26            | ---              | 74.00          | 29.74       | 1000.000        | 153.0       | V   | 324.0         | 7.9          |
| 4711.313000     | ---              | 29.50            | 54.00          | 24.50       | 1000.000        | 153.0       | V   | 324.0         | 7.9          |
| 5500.999029     | 63.68            | ---              | N/A*           | N/A*        | 1000.000        | 154.0       | H   | 81.0          | 7.9          |
| 5500.999029     | ---              | 51.67            | N/A*           | N/A*        | 1000.000        | 154.0       | H   | 81.0          | 7.9          |
| 10999.000000    | ---              | 40.45            | 54.00          | 13.55       | 1000.000        | 156.0       | V   | 246.0         | 12.9         |
| 10999.000000    | 53.81            | ---              | 74.00          | 20.19       | 1000.000        | 156.0       | V   | 246.0         | 12.9         |
| 13521.903029    | ---              | 40.17            | 54.00          | 13.83       | 1000.000        | 105.0       | V   | 110.0         | 15.8         |
| 13521.903029    | 53.67            | ---              | 74.00          | 20.33       | 1000.000        | 105.0       | V   | 110.0         | 15.8         |
| 16453.405971    | ---              | 41.39            | 54.00          | 12.61       | 1000.000        | 150.0       | H   | 266.0         | 18.8         |
| 16453.405971    | 54.85            | ---              | 74.00          | 19.15       | 1000.000        | 150.0       | H   | 266.0         | 18.8         |
| 16502.433029    | ---              | 45.10            | 54.00          | 8.90        | 1000.000        | 150.0       | V   | 82.0          | 18.9         |
| 16502.433029    | 61.75            | ---              | 74.00          | 12.25       | 1000.000        | 150.0       | V   | 82.0          | 18.9         |
| 16884.043971    | 55.00            | ---              | 74.00          | 19.00       | 1000.000        | 350.0       | H   | 29.0          | 19.5         |
| 16884.043971    | ---              | 41.35            | 54.00          | 12.65       | 1000.000        | 350.0       | H   | 29.0          | 19.5         |
| 17976.864000    | ---              | 42.01            | 54.00          | 11.99       | 1000.000        | 154.0       | H   | 310.0         | 21.2         |
| 17976.864000    | 55.38            | ---              | 74.00          | 18.62       | 1000.000        | 154.0       | H   | 310.0         | 21.2         |

\*Fundamental transmission is excluded from spurious emission limits

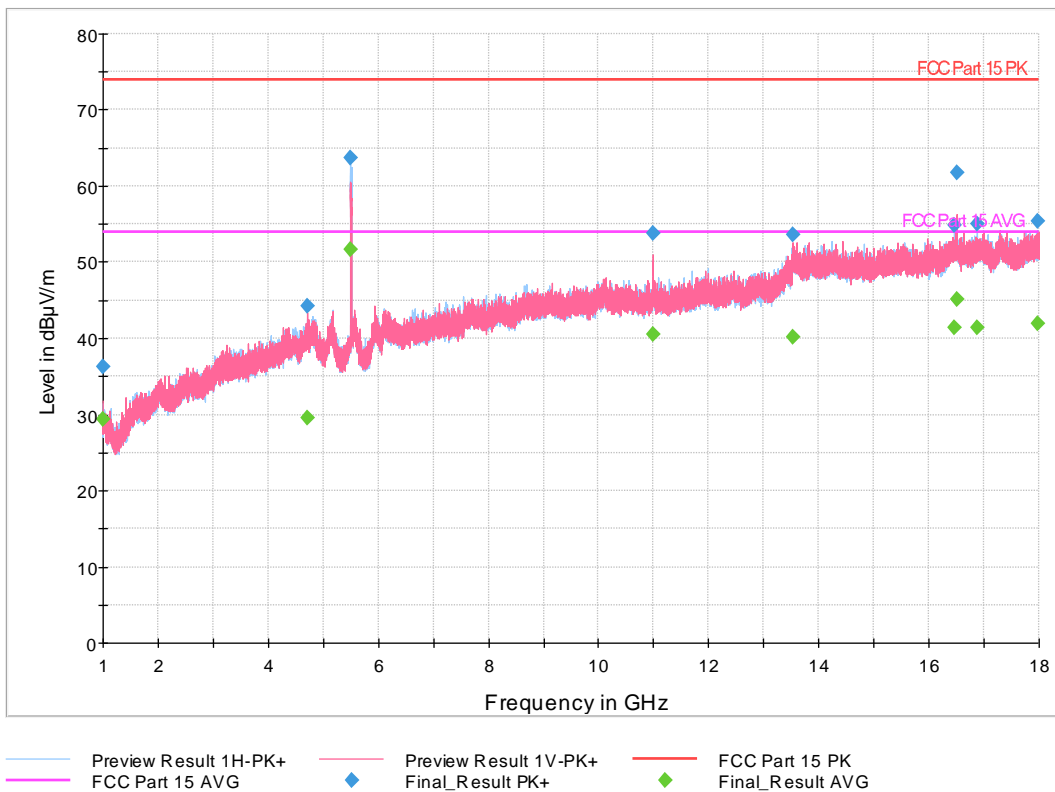


Figure 88: Radiated Emissions 1-18GHz – UNII-2C 802.11n HT20 Low Channel 5500MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 5296.630971     | 63.63            | ---              | 74.00          | 10.37       | 1000.000        | 155.0       | V   | 259.0         | 7.3          |
| 5296.630971     | ---              | 52.12            | 54.00          | 1.88        | 1000.000        | 155.0       | V   | 259.0         | 7.3          |
| 10588.000000    | ---              | 52.37            | 54.00          | 1.63        | 1000.000        | 100.0       | V   | 345.0         | 12.4         |
| 10588.000000    | 66.92            | ---              | 74.00          | 7.08        | 1000.000        | 100.0       | V   | 345.0         | 12.4         |
| 13505.000000    | 55.98            | ---              | 74.00          | 18.02       | 1000.000        | 155.0       | H   | -5.0          | 15.9         |
| 13505.000000    | ---              | 42.08            | 54.00          | 11.92       | 1000.000        | 155.0       | H   | -5.0          | 15.9         |
| 15875.347971    | 63.67            | ---              | 74.00          | 10.33       | 1000.000        | 153.0       | V   | 0.0           | 18.2         |
| 15875.347971    | ---              | 47.93            | 54.00          | 6.07        | 1000.000        | 153.0       | V   | 0.0           | 18.2         |
| 16963.999029    | 57.79            | ---              | 74.00          | 16.21       | 1000.000        | 100.0       | V   | 75.0          | 19.9         |
| 16963.999029    | ---              | 43.81            | 54.00          | 10.19       | 1000.000        | 100.0       | V   | 75.0          | 19.9         |
| 17409.602029    | 59.28            | ---              | 74.00          | 14.72       | 1000.000        | 100.0       | V   | 177.0         | 20.9         |
| 17409.602029    | ---              | 44.86            | 54.00          | 9.14        | 1000.000        | 100.0       | V   | 177.0         | 20.9         |
| 17941.373029    | 58.04            | ---              | 74.00          | 15.96       | 1000.000        | 100.0       | H   | 66.0          | 21.2         |
| 17941.373029    | ---              | 44.91            | 54.00          | 9.09        | 1000.000        | 100.0       | H   | 66.0          | 21.2         |

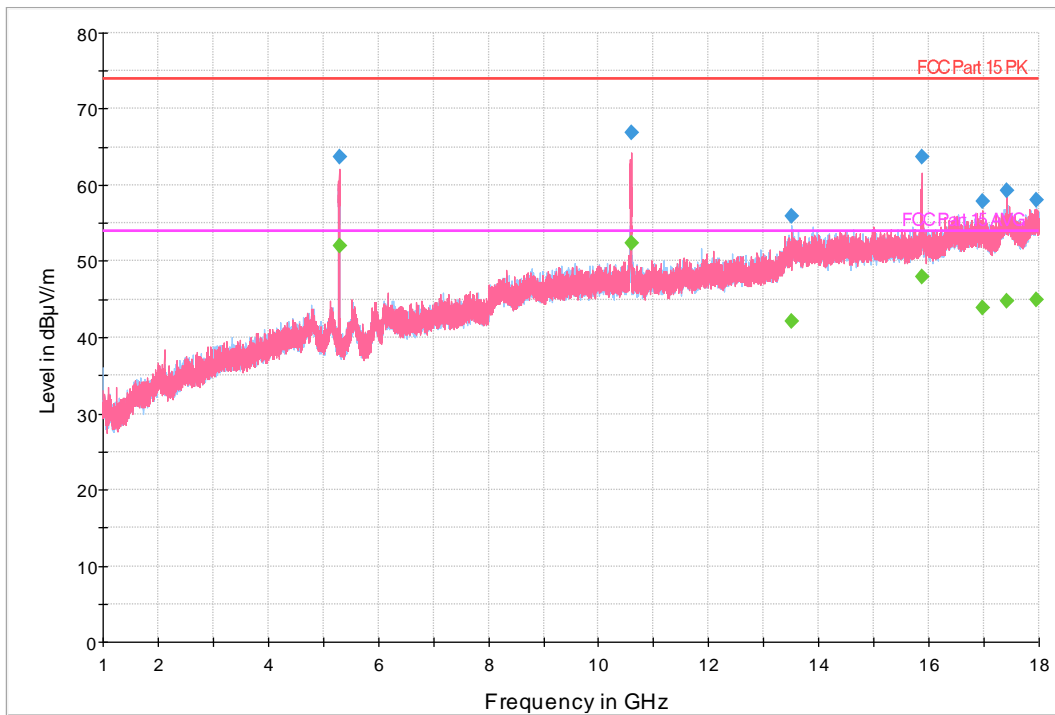


Figure 89: Radiated Emissions 1-18GHz – UNII-2C 802.11n HT20 Mid Channel 5600MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 2034.606029     | 38.19            | ---              | 74.00          | 35.81       | 1000.000        | 354.0       | H   | 138.0         | -1.3         |
| 2034.606029     | ---              | 24.63            | 54.00          | 29.37       | 1000.000        | 354.0       | H   | 138.0         | -1.3         |
| 3720.594971     | ---              | 27.66            | 54.00          | 26.34       | 1000.000        | 150.0       | V   | 298.0         | 3.5          |
| 3720.594971     | 41.37            | ---              | 74.00          | 32.63       | 1000.000        | 150.0       | V   | 298.0         | 3.5          |
| 5699.000000     | 76.04            | ---              | N/A*           | N/A*        | 1000.000        | 153.0       | H   | 117.0         | 7.6          |
| 5699.000000     | ---              | 64.96            | N/A*           | N/A*        | 1000.000        | 153.0       | H   | 117.0         | 7.6          |
| 11398.578000    | 57.85            | ---              | 74.00          | 16.15       | 1000.000        | 100.0       | V   | 99.0          | 12.7         |
| 11398.578000    | ---              | 44.41            | 54.00          | 9.59        | 1000.000        | 100.0       | V   | 99.0          | 12.7         |
| 13973.712000    | 55.18            | ---              | 74.00          | 18.82       | 1000.000        | 253.0       | H   | 50.0          | 16.8         |
| 13973.712000    | ---              | 41.48            | 54.00          | 12.52       | 1000.000        | 253.0       | H   | 50.0          | 16.8         |
| 15387.500971    | 55.19            | ---              | 74.00          | 18.81       | 1000.000        | 355.0       | V   | 178.0         | 17.7         |
| 15387.500971    | ---              | 41.87            | 54.00          | 12.13       | 1000.000        | 355.0       | V   | 178.0         | 17.7         |
| 16689.740000    | 57.55            | ---              | 74.00          | 16.45       | 1000.000        | 100.0       | H   | 308.0         | 18.9         |
| 16689.740000    | ---              | 43.31            | 54.00          | 10.69       | 1000.000        | 100.0       | H   | 308.0         | 18.9         |
| 17093.820029    | ---              | 43.66            | 54.00          | 10.34       | 1000.000        | 104.0       | V   | 47.0          | 19.5         |
| 17093.820029    | 57.35            | ---              | 74.00          | 16.65       | 1000.000        | 104.0       | V   | 47.0          | 19.5         |
| 17397.743000    | 58.36            | ---              | 74.00          | 15.64       | 1000.000        | 154.0       | V   | 219.0         | 20.9         |
| 17397.743000    | ---              | 44.92            | 54.00          | 9.08        | 1000.000        | 154.0       | V   | 219.0         | 20.9         |
| 17825.500000    | 58.47            | ---              | 74.00          | 15.53       | 1000.000        | 256.0       | H   | 96.0          | 20.9         |
| 17825.500000    | ---              | 44.65            | 54.00          | 9.35        | 1000.000        | 256.0       | H   | 96.0          | 20.9         |

\*Fundamental transmission is excluded from spurious emission limits

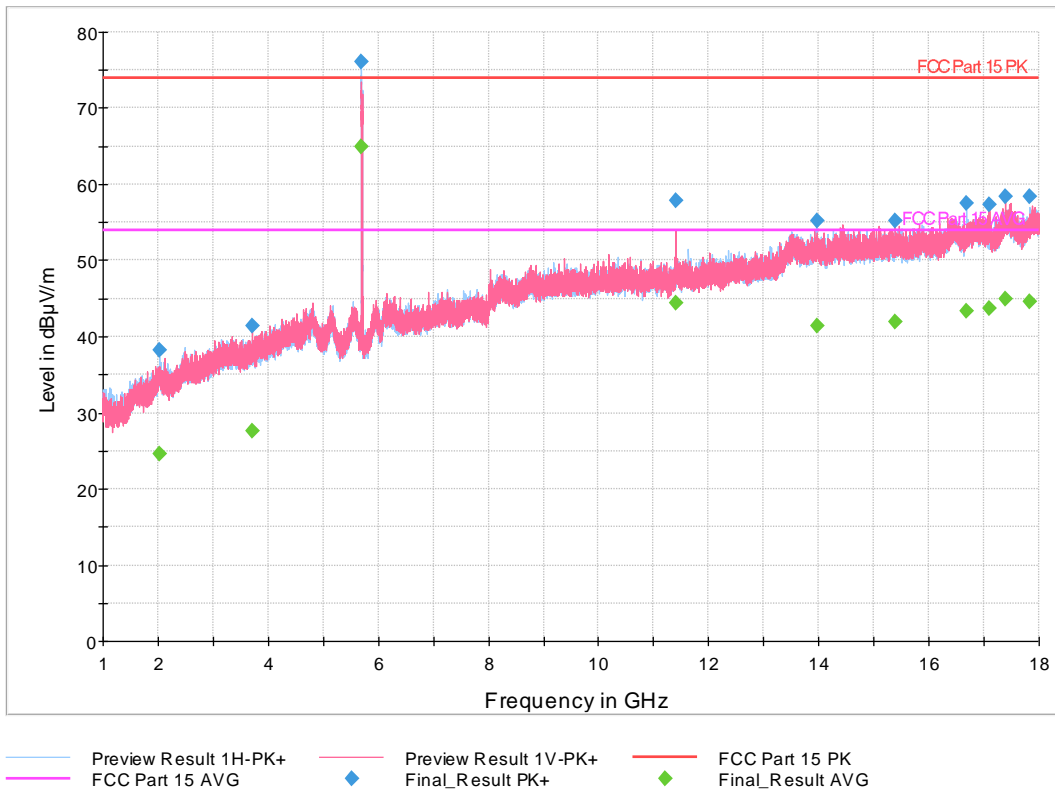
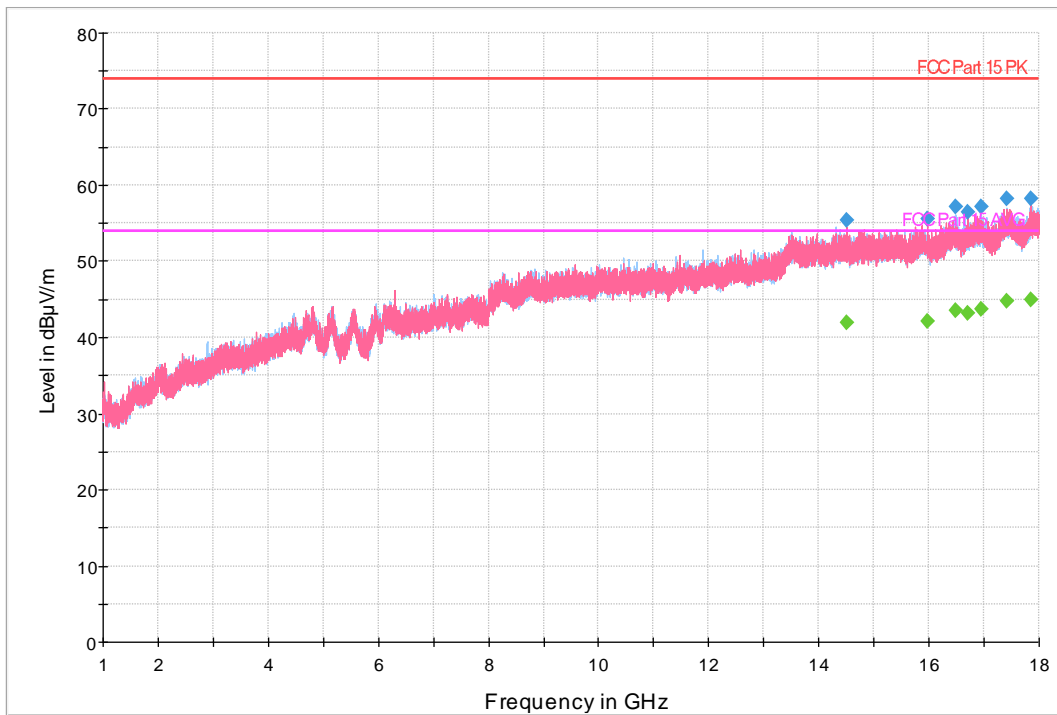


Figure 90: Radiated Emissions 1-18GHz – UNII-2C 802.11n HT20 High Channel 5700MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 14518.500000    | 55.37            | ---              | 74.00          | 18.63       | 1000.000        | 100.0       | V   | 227.0         | 17.5         |
| 14518.500000    | ---              | 41.91            | 54.00          | 12.09       | 1000.000        | 100.0       | V   | 227.0         | 17.5         |
| 15983.569000    | 55.65            | ---              | 74.00          | 18.35       | 1000.000        | 250.0       | V   | 241.0         | 18.1         |
| 15983.569000    | ---              | 42.15            | 54.00          | 11.85       | 1000.000        | 250.0       | V   | 241.0         | 18.1         |
| 16476.209000    | ---              | 43.51            | 54.00          | 10.49       | 1000.000        | 155.0       | H   | 138.0         | 18.9         |
| 16476.209000    | 57.11            | ---              | 74.00          | 16.89       | 1000.000        | 155.0       | H   | 138.0         | 18.9         |
| 16698.222000    | ---              | 43.24            | 54.00          | 10.76       | 1000.000        | 358.0       | V   | 131.0         | 19.0         |
| 16698.222000    | 56.38            | ---              | 74.00          | 17.62       | 1000.000        | 358.0       | V   | 131.0         | 19.0         |
| 16952.500000    | ---              | 43.76            | 54.00          | 10.24       | 1000.000        | 250.0       | H   | 99.0          | 19.9         |
| 16952.500000    | 57.23            | ---              | 74.00          | 16.77       | 1000.000        | 250.0       | H   | 99.0          | 19.9         |
| 17407.555029    | 58.31            | ---              | 74.00          | 15.69       | 1000.000        | 354.0       | H   | 24.0          | 20.9         |
| 17407.555029    | ---              | 44.77            | 54.00          | 9.23        | 1000.000        | 354.0       | H   | 24.0          | 20.9         |
| 17853.000971    | 58.27            | ---              | 74.00          | 15.73       | 1000.000        | 154.0       | V   | 99.0          | 21.2         |
| 17853.000971    | ---              | 44.94            | 54.00          | 9.06        | 1000.000        | 154.0       | V   | 99.0          | 21.2         |



— Preview Result 1H-PK+     — Preview Result 1V-PK+     — FCC Part 15 PK  
— FCC Part 15 AVG     ◆ Final\_Result PK+     ◆ Final\_Result AVG

Figure 91: Radiated Emissions 1-18GHz – UNII-2A 802.11ac VHT20 Low Channel 5260MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 5303.500000     | 63.23            | ---              | N/A*           | N/A*        | 1000.000        | 154.0       | V   | 254.0         | 7.4          |
| 5303.500000     | ---              | 51.24            | N/A*           | N/A*        | 1000.000        | 154.0       | V   | 254.0         | 7.4          |
| 10592.064029    | 63.32            | ---              | 74.00          | 10.68       | 1000.000        | 155.0       | V   | -5.0          | 12.4         |
| 10592.064029    | ---              | 48.92            | 54.00          | 5.08        | 1000.000        | 155.0       | V   | -5.0          | 12.4         |
| 13510.187000    | 55.67            | ---              | 74.00          | 18.33       | 1000.000        | 150.0       | H   | 147.0         | 15.9         |
| 13510.187000    | ---              | 41.97            | 54.00          | 12.03       | 1000.000        | 150.0       | H   | 147.0         | 15.9         |
| 15891.000971    | 61.91            | ---              | 74.00          | 12.09       | 1000.000        | 153.0       | V   | 323.0         | 18.2         |
| 15891.000971    | ---              | 46.21            | 54.00          | 7.79        | 1000.000        | 153.0       | V   | 323.0         | 18.2         |
| 16972.583000    | ---              | 43.78            | 54.00          | 10.22       | 1000.000        | 104.0       | V   | 184.0         | 19.9         |
| 16972.583000    | 57.67            | ---              | 74.00          | 16.33       | 1000.000        | 104.0       | V   | 184.0         | 19.9         |
| 17390.302000    | 58.39            | ---              | 74.00          | 15.61       | 1000.000        | 354.0       | V   | 109.0         | 20.9         |
| 17390.302000    | ---              | 44.77            | 54.00          | 9.23        | 1000.000        | 354.0       | V   | 109.0         | 20.9         |
| 17850.335971    | 58.23            | ---              | 74.00          | 15.77       | 1000.000        | 250.0       | V   | 138.0         | 21.2         |
| 17850.335971    | ---              | 44.97            | 54.00          | 9.03        | 1000.000        | 250.0       | V   | 138.0         | 21.2         |

\*Fundamental transmission is excluded from spurious emission limits

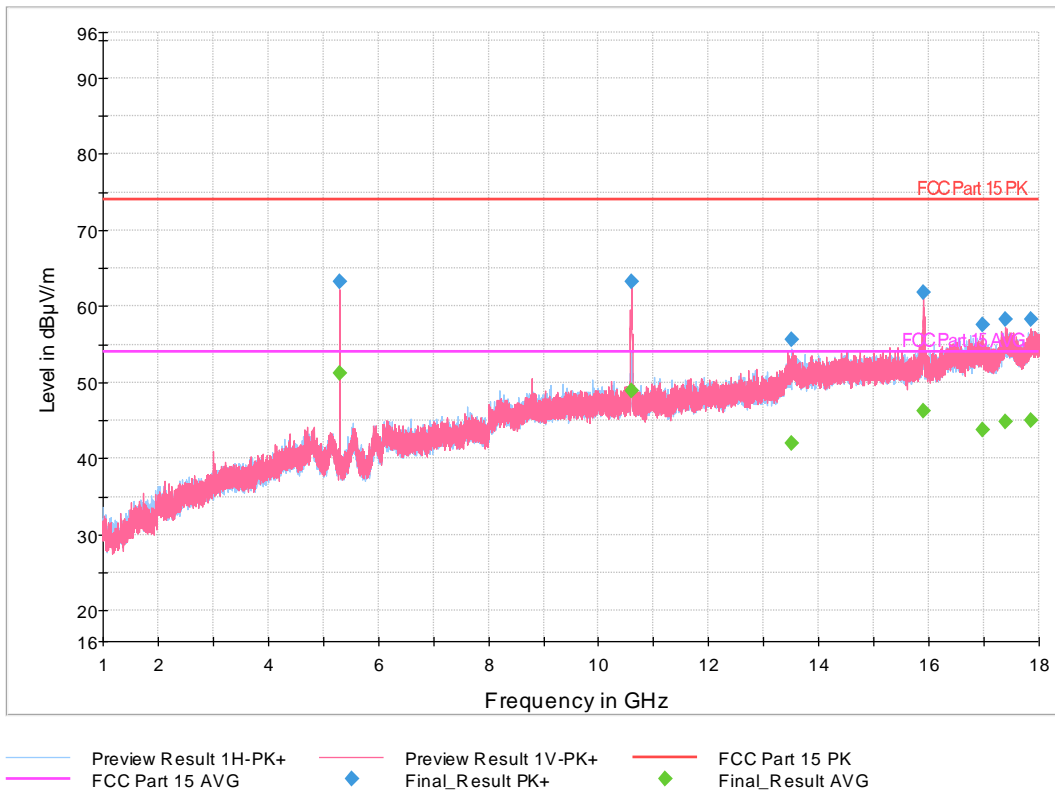


Figure 92: Radiated Emissions 1-18GHz – UNII-2A 802.11ac VHT20 Mid Channel 5300MHz

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.000985     | ---              | 23.50            | 54.00          | 30.50       | 1000.000        | 256.0       | V   | 277.0         | -7.6         |
| 1000.000985     | 34.64            | ---              | 74.00          | 39.36       | 1000.000        | 256.0       | V   | 277.0         | -7.6         |
| 1911.000000     | ---              | 19.84            | 54.00          | 34.16       | 1000.000        | 354.0       | H   | 124.0         | -2.9         |
| 1911.000000     | 33.90            | ---              | 74.00          | 40.10       | 1000.000        | 354.0       | H   | 124.0         | -2.9         |
| 4044.512971     | ---              | 27.24            | 54.00          | 26.76       | 1000.000        | 254.0       | V   | 19.0          | 4.7          |
| 4044.512971     | 41.07            | ---              | 74.00          | 32.93       | 1000.000        | 254.0       | V   | 19.0          | 4.7          |
| 5312.873971     | ---              | 47.35            | N/A*           | N/A*        | 1000.000        | 155.0       | V   | 250.0         | 7.4          |
| 5312.873971     | 59.60            | ---              | N/A*           | N/A*        | 1000.000        | 155.0       | V   | 250.0         | 7.4          |
| 9311.500971     | ---              | 34.24            | 54.00          | 19.76       | 1000.000        | 150.0       | V   | 337.0         | 11.0         |
| 9311.500971     | 47.72            | ---              | 74.00          | 26.28       | 1000.000        | 150.0       | V   | 337.0         | 11.0         |
| 10638.586029    | ---              | 44.19            | 54.00          | 9.81        | 1000.000        | 100.0       | V   | 354.0         | 12.3         |
| 10638.586029    | 57.98            | ---              | 74.00          | 16.02       | 1000.000        | 100.0       | V   | 354.0         | 12.3         |
| 14267.714971    | ---              | 40.04            | 54.00          | 13.96       | 1000.000        | 100.0       | V   | 172.0         | 17.3         |
| 14267.714971    | 53.70            | ---              | 74.00          | 20.30       | 1000.000        | 100.0       | V   | 172.0         | 17.3         |
| 16098.500000    | ---              | 40.62            | 54.00          | 13.38       | 1000.000        | 100.0       | H   | 326.0         | 18.4         |
| 16098.500000    | 54.33            | ---              | 74.00          | 19.67       | 1000.000        | 100.0       | H   | 326.0         | 18.4         |
| 17408.499029    | 55.23            | ---              | 74.00          | 18.77       | 1000.000        | 104.0       | V   | 339.0         | 20.9         |
| 17408.499029    | ---              | 41.64            | 54.00          | 12.36       | 1000.000        | 104.0       | V   | 339.0         | 20.9         |
| 17904.999029    | 56.48            | ---              | 74.00          | 17.52       | 1000.000        | 105.0       | V   | 275.0         | 21.3         |
| 17904.999029    | ---              | 41.90            | 54.00          | 12.10       | 1000.000        | 105.0       | V   | 275.0         | 21.3         |

\*Fundamental transmission is excluded from spurious emission limits

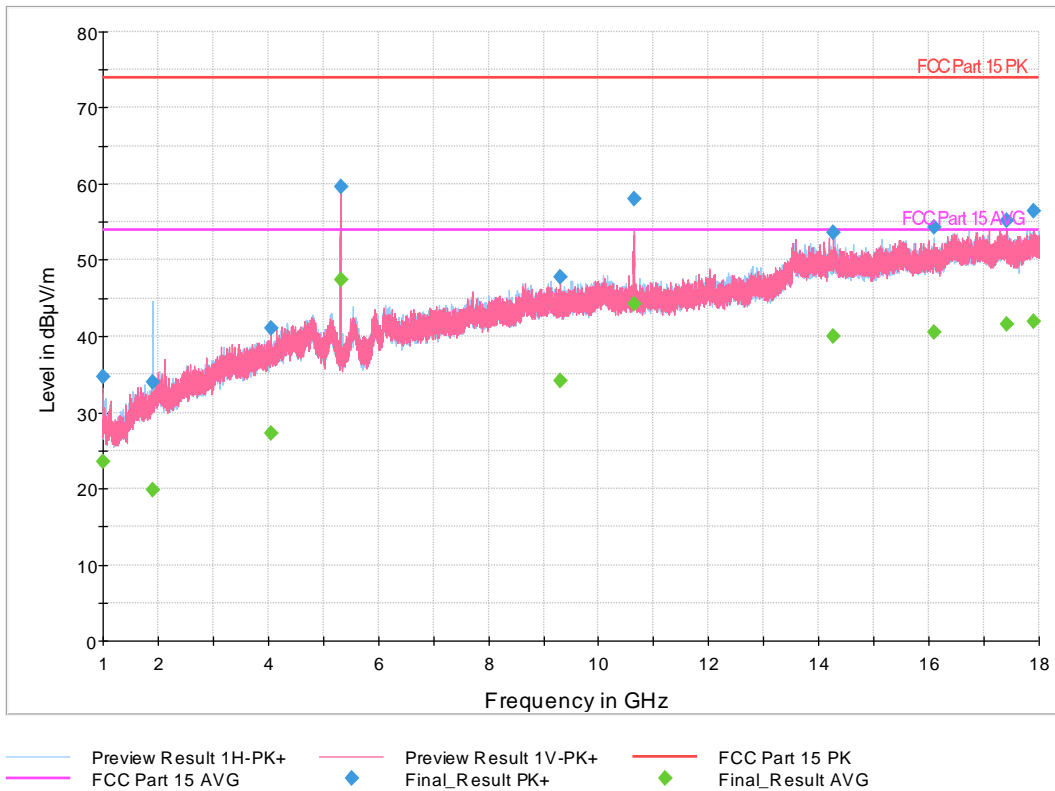


Figure 93: Radiated Emissions 1-18GHz – UNII-2A 802.11ac VHT20 High Channel 5320MHz

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.000985     | ---              | 29.18            | 54.00          | 24.82       | 1000.000        | 103.0       | V   | 335.0         | -7.6         |
| 1000.000985     | 35.89            | ---              | 74.00          | 38.11       | 1000.000        | 103.0       | V   | 335.0         | -7.6         |
| 3821.945971     | 41.10            | ---              | 74.00          | 32.90       | 1000.000        | 100.0       | H   | 22.0          | 3.7          |
| 3821.945971     | ---              | 26.65            | 54.00          | 27.35       | 1000.000        | 100.0       | H   | 22.0          | 3.7          |
| 5491.900000     | ---              | 52.53            | N/A*           | N/A*        | 1000.000        | 154.0       | H   | 65.0          | 7.8          |
| 5491.900000     | 63.59            | ---              | N/A*           | N/A*        | 1000.000        | 154.0       | H   | 65.0          | 7.8          |
| 10996.858971    | ---              | 40.53            | 54.00          | 13.47       | 1000.000        | 150.0       | H   | 77.0          | 12.9         |
| 10996.858971    | 54.57            | ---              | 74.00          | 19.43       | 1000.000        | 150.0       | H   | 77.0          | 12.9         |
| 13552.318029    | ---              | 40.09            | 54.00          | 13.91       | 1000.000        | 100.0       | H   | 179.0         | 15.7         |
| 13552.318029    | 53.81            | ---              | 74.00          | 20.19       | 1000.000        | 100.0       | H   | 179.0         | 15.7         |
| 16502.999029    | ---              | 44.69            | 54.00          | 9.31        | 1000.000        | 103.0       | V   | 96.0          | 18.9         |
| 16502.999029    | 62.52            | ---              | 74.00          | 11.48       | 1000.000        | 103.0       | V   | 96.0          | 18.9         |
| 17981.529971    | 56.18            | ---              | 74.00          | 17.82       | 1000.000        | 150.0       | H   | 117.0         | 21.2         |
| 17981.529971    | ---              | 41.99            | 54.00          | 12.01       | 1000.000        | 150.0       | H   | 117.0         | 21.2         |

\*Fundamental transmission is excluded from spurious emission limits

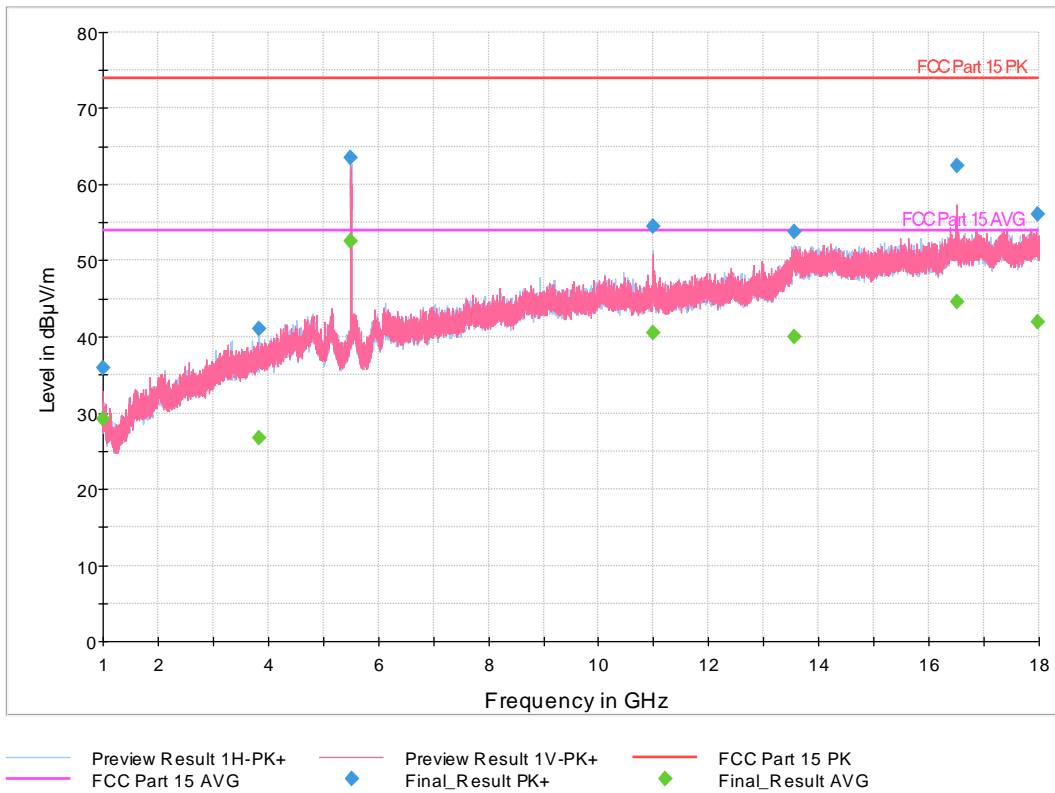


Figure 94: Radiated Emissions 1-18GHz – UNII-2C 802.11ac VHT20 Low Channel 5500MHz



| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 2198.500000     | 43.04            | ---              | 74.00          | 30.96       | 1000.000        | 150.0       | V   | 12.0          | -3.2         |
| 2198.500000     | ---              | 23.74            | 54.00          | 30.26       | 1000.000        | 150.0       | V   | 12.0          | -3.2         |
| 5594.606029     | 70.77            | ---              | N/A*           | N/A*        | 1000.000        | 154.0       | H   | 107.0         | 7.7          |
| 5594.606029     | ---              | 59.08            | N/A*           | N/A*        | 1000.000        | 154.0       | H   | 107.0         | 7.7          |
| 11199.720000    | 60.99            | ---              | 74.00          | 13.01       | 1000.000        | 154.0       | H   | 84.0          | 12.6         |
| 11199.720000    | ---              | 47.11            | 54.00          | 6.89        | 1000.000        | 154.0       | H   | 84.0          | 12.6         |
| 13528.968000    | ---              | 41.91            | 54.00          | 12.09       | 1000.000        | 355.0       | H   | 309.0         | 15.8         |
| 13528.968000    | 55.01            | ---              | 74.00          | 18.99       | 1000.000        | 355.0       | H   | 309.0         | 15.8         |
| 14847.500971    | 55.85            | ---              | 74.00          | 18.15       | 1000.000        | 153.0       | V   | 12.0          | 17.6         |
| 14847.500971    | ---              | 42.03            | 54.00          | 11.97       | 1000.000        | 153.0       | V   | 12.0          | 17.6         |
| 15835.500971    | ---              | 42.09            | 54.00          | 11.91       | 1000.000        | 255.0       | V   | 27.0          | 18.0         |
| 15835.500971    | 55.75            | ---              | 74.00          | 18.25       | 1000.000        | 255.0       | V   | 27.0          | 18.0         |
| 16802.500971    | ---              | 44.82            | 54.00          | 9.18        | 1000.000        | 155.0       | V   | 70.0          | 18.9         |
| 16802.500971    | 59.85            | ---              | 74.00          | 14.15       | 1000.000        | 155.0       | V   | 70.0          | 18.9         |
| 17461.520000    | 58.85            | ---              | 74.00          | 15.15       | 1000.000        | 105.0       | V   | 226.0         | 20.6         |
| 17461.520000    | ---              | 44.67            | 54.00          | 9.33        | 1000.000        | 105.0       | V   | 226.0         | 20.6         |
| 17992.437971    | 58.54            | ---              | 74.00          | 15.46       | 1000.000        | 100.0       | H   | 341.0         | 21.2         |
| 17992.437971    | ---              | 44.96            | 54.00          | 9.04        | 1000.000        | 100.0       | H   | 341.0         | 21.2         |

\* Fundamental transmission is excluded from spurious emission limits

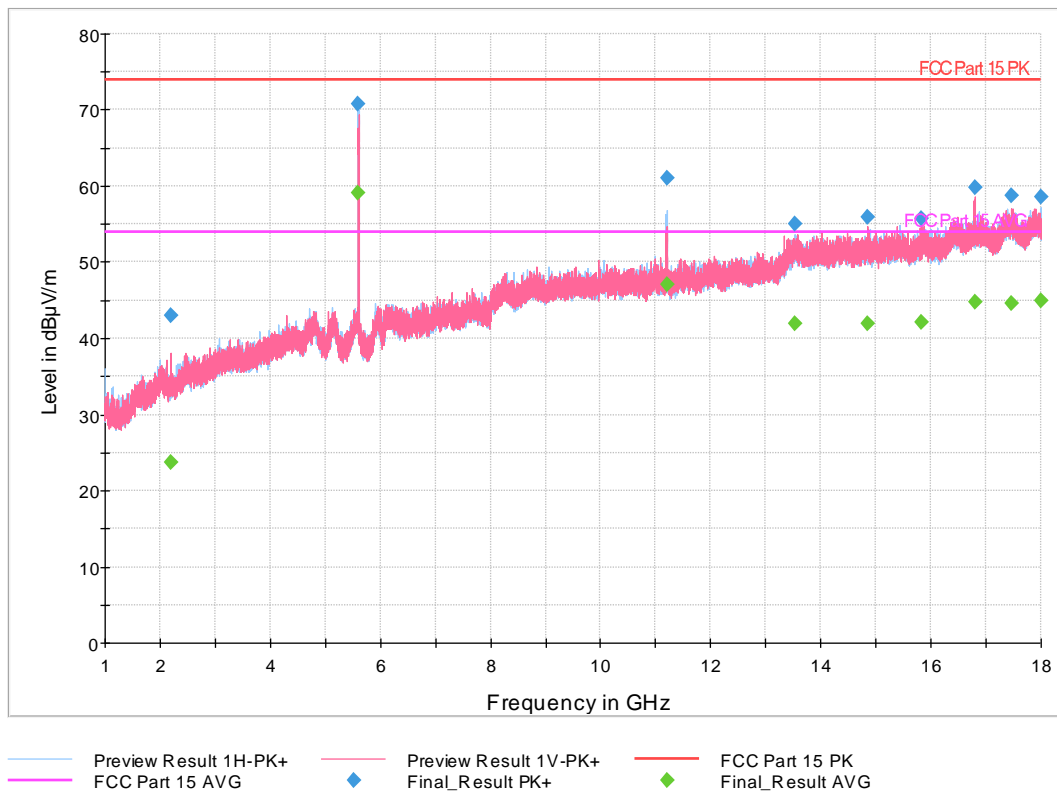


Figure 95: Radiated Emissions 1-18GHz – UNII-2C 802.11ac VHT20 Mid Channel 5600MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.099985     | ---              | 30.96            | 54.00          | 23.04       | 1000.000        | 100.0       | H   | 253.0         | -7.6         |
| 1000.099985     | 37.65            | ---              | 74.00          | 36.35       | 1000.000        | 100.0       | H   | 253.0         | -7.6         |
| 5704.793029     | 75.14            | ---              | N/A*           | N/A*        | 1000.000        | 155.0       | H   | 288.0         | 7.6          |
| 5704.793029     | ---              | 63.48            | N/A*           | N/A*        | 1000.000        | 155.0       | H   | 288.0         | 7.6          |
| 11398.999029    | ---              | 41.75            | 54.00          | 12.25       | 1000.000        | 103.0       | V   | 325.0         | 12.7         |
| 11398.999029    | 55.04            | ---              | 74.00          | 18.96       | 1000.000        | 103.0       | V   | 325.0         | 12.7         |
| 13525.664000    | ---              | 40.13            | 54.00          | 13.87       | 1000.000        | 255.0       | V   | 79.0          | 15.8         |
| 13525.664000    | 54.08            | ---              | 74.00          | 19.92       | 1000.000        | 255.0       | V   | 79.0          | 15.8         |
| 15623.500971    | ---              | 40.10            | 54.00          | 13.90       | 1000.000        | 354.0       | V   | 335.0         | 17.6         |
| 15623.500971    | 53.60            | ---              | 74.00          | 20.40       | 1000.000        | 354.0       | V   | 335.0         | 17.6         |
| 17099.500000    | 59.35            | ---              | 74.00          | 14.65       | 1000.000        | 154.0       | V   | 95.0          | 19.5         |
| 17099.500000    | ---              | 42.76            | 54.00          | 11.24       | 1000.000        | 154.0       | V   | 95.0          | 19.5         |
| 17818.352000    | ---              | 41.87            | 54.00          | 12.13       | 1000.000        | 155.0       | H   | 140.0         | 20.8         |
| 17818.352000    | 55.18            | ---              | 74.00          | 18.82       | 1000.000        | 155.0       | H   | 140.0         | 20.8         |

\*Fundamental transmission is excluded from spurious emission limits

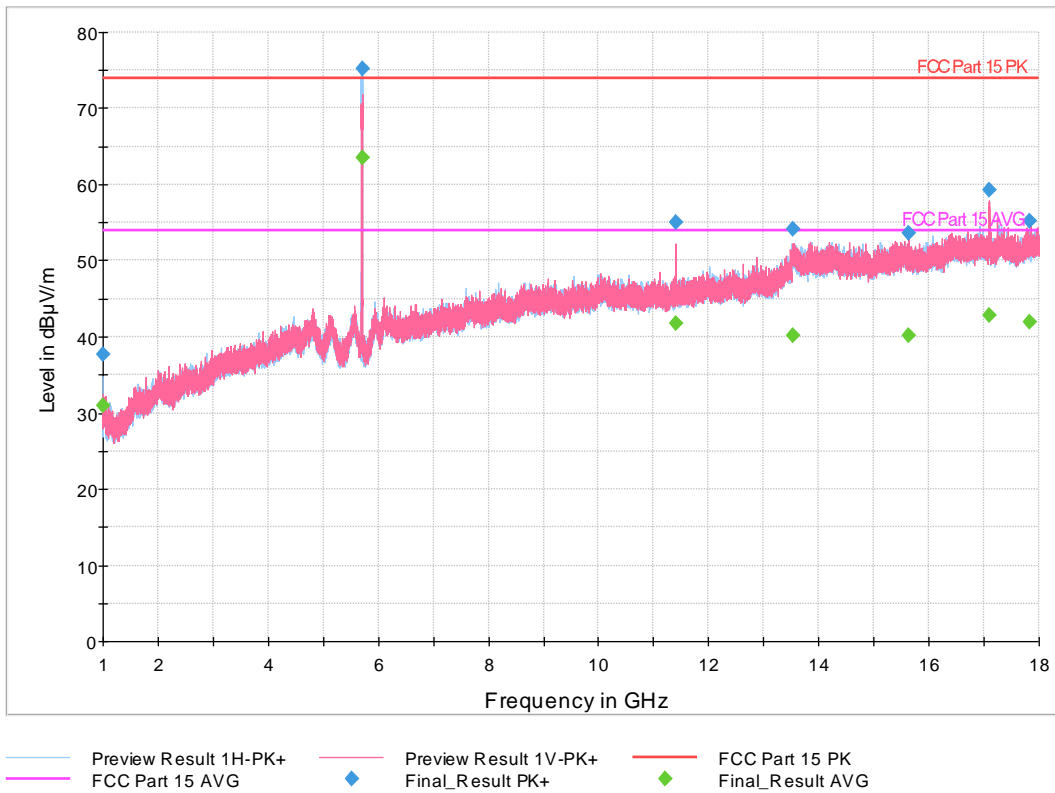
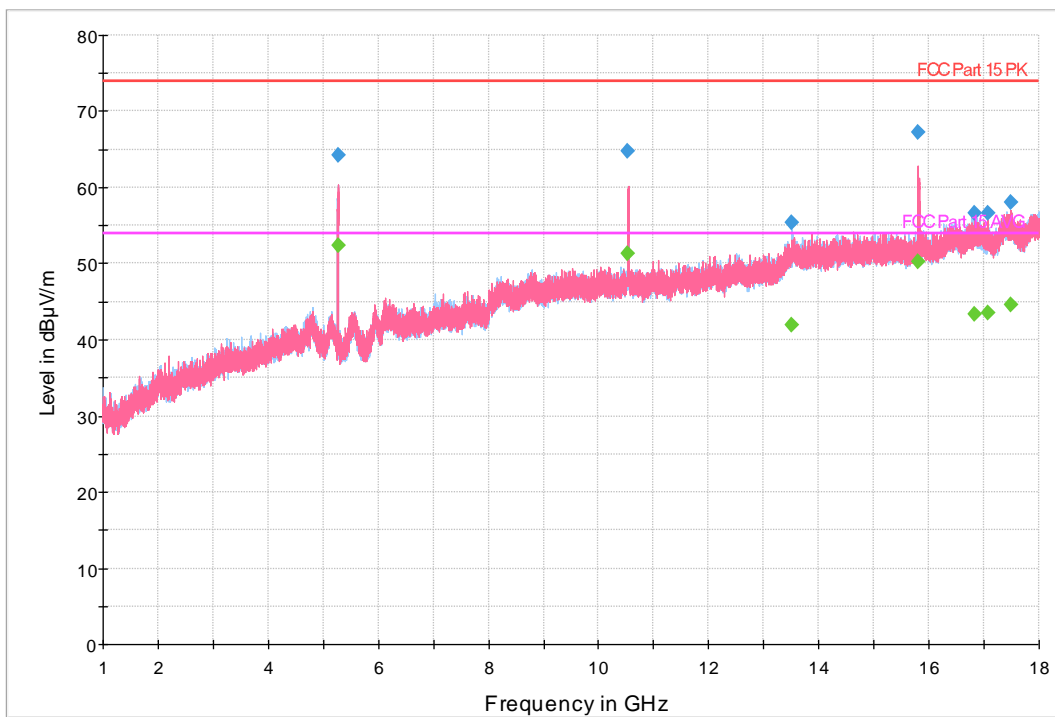


Figure 96: Radiated Emissions 1-18GHz – UNII-2C 802.11ac VHT20 High Channel 5700MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 5275.811000     | 64.17            | ---              | N/A*           | N/A*        | 1000.000        | 154.0       | V   | 266.0         | 7.3          |
| 5275.811000     | ---              | 52.38            | N/A*           | N/A*        | 1000.000        | 154.0       | V   | 266.0         | 7.3          |
| 10537.391000    | 64.83            | ---              | 74.00          | 9.17        | 1000.000        | 100.0       | V   | 345.0         | 12.7         |
| 10537.391000    | ---              | 51.33            | 54.00          | 2.67        | 1000.000        | 100.0       | V   | 345.0         | 12.7         |
| 13505.611029    | 55.49            | ---              | 74.00          | 18.51       | 1000.000        | 105.0       | H   | 207.0         | 15.9         |
| 13505.611029    | ---              | 42.01            | 54.00          | 11.99       | 1000.000        | 105.0       | H   | 207.0         | 15.9         |
| 15803.627971    | 67.25            | ---              | 74.00          | 6.75        | 1000.000        | 100.0       | V   | 338.0         | 17.8         |
| 15803.627971    | ---              | 50.32            | 54.00          | 3.68        | 1000.000        | 100.0       | V   | 338.0         | 17.8         |
| 16815.653971    | 56.71            | ---              | 74.00          | 17.29       | 1000.000        | 104.0       | V   | 322.0         | 19.0         |
| 16815.653971    | ---              | 43.28            | 54.00          | 10.72       | 1000.000        | 104.0       | V   | 322.0         | 19.0         |
| 17074.365029    | ---              | 43.47            | 54.00          | 10.53       | 1000.000        | 350.0       | V   | 283.0         | 19.6         |
| 17074.365029    | 56.71            | ---              | 74.00          | 17.29       | 1000.000        | 350.0       | V   | 283.0         | 19.6         |
| 17491.463000    | 57.97            | ---              | 74.00          | 16.03       | 1000.000        | 157.0       | V   | 32.0          | 20.5         |
| 17491.463000    | ---              | 44.58            | 54.00          | 9.42        | 1000.000        | 157.0       | V   | 32.0          | 20.5         |



— Preview Result 1H-PK+     — Preview Result 1V-PK+     — FCC Part 15 PK  
— FCC Part 15 AVG     ◆ Final\_Result PK+     ◆ Final\_Result AVG

Figure 97: Radiated Emissions 1-18GHz – UNII-2A 802.11n HT40 Low Channel 5270MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.000985     | ---              | 25.84            | 54.00          | 28.16       | 1000.000        | 104.0       | H   | 133.0         | -7.6         |
| 1000.000985     | 34.88            | ---              | 74.00          | 39.12       | 1000.000        | 104.0       | H   | 133.0         | -7.6         |
| 3140.053971     | 39.34            | ---              | 74.00          | 34.66       | 1000.000        | 356.0       | H   | 13.0          | 1.4          |
| 3140.053971     | ---              | 25.29            | 54.00          | 28.71       | 1000.000        | 356.0       | H   | 13.0          | 1.4          |
| 5318.000000     | ---              | 50.88            | N/A*           | N/A*        | 1000.000        | 155.0       | V   | 0.0           | 7.4          |
| 5318.000000     | 62.99            | ---              | N/A*           | N/A*        | 1000.000        | 155.0       | V   | 0.0           | 7.4          |
| 8591.500000     | 47.37            | ---              | 74.00          | 26.63       | 1000.000        | 153.0       | V   | -5.0          | 11.7         |
| 8591.500000     | ---              | 33.93            | 54.00          | 20.07       | 1000.000        | 153.0       | V   | -5.0          | 11.7         |
| 9145.686000     | ---              | 34.41            | 54.00          | 19.59       | 1000.000        | 250.0       | H   | 150.0         | 12.0         |
| 9145.686000     | 47.93            | ---              | 74.00          | 26.07       | 1000.000        | 250.0       | H   | 150.0         | 12.0         |
| 10618.407000    | ---              | 48.65            | 54.00          | 5.35        | 1000.000        | 100.0       | V   | 328.0         | 12.3         |
| 10618.407000    | 62.11            | ---              | 74.00          | 11.89       | 1000.000        | 100.0       | V   | 328.0         | 12.3         |
| 13529.499029    | ---              | 40.15            | 54.00          | 13.85       | 1000.000        | 353.0       | V   | 337.0         | 15.8         |
| 13529.499029    | 54.06            | ---              | 74.00          | 19.94       | 1000.000        | 353.0       | V   | 337.0         | 15.8         |
| 15919.972000    | 61.24            | ---              | 74.00          | 12.76       | 1000.000        | 100.0       | V   | 328.0         | 18.1         |
| 15919.972000    | ---              | 43.84            | 54.00          | 10.16       | 1000.000        | 100.0       | V   | 328.0         | 18.1         |
| 16545.499029    | 54.95            | ---              | 74.00          | 19.05       | 1000.000        | 153.0       | V   | 7.0           | 18.8         |
| 16545.499029    | ---              | 41.18            | 54.00          | 12.82       | 1000.000        | 153.0       | V   | 7.0           | 18.8         |
| 17722.613971    | 54.79            | ---              | 74.00          | 19.21       | 1000.000        | 353.0       | V   | 290.0         | 20.2         |
| 17722.613971    | ---              | 41.43            | 54.00          | 12.57       | 1000.000        | 353.0       | V   | 290.0         | 20.2         |
| 17859.015971    | ---              | 41.88            | 54.00          | 12.12       | 1000.000        | 250.0       | V   | 152.0         | 21.2         |
| 17859.015971    | 55.77            | ---              | 74.00          | 18.23       | 1000.000        | 250.0       | V   | 152.0         | 21.2         |
| 17918.954000    | 56.17            | ---              | 74.00          | 17.83       | 1000.000        | 250.0       | V   | 167.0         | 21.3         |
| 17918.954000    | ---              | 41.96            | 54.00          | 12.04       | 1000.000        | 250.0       | V   | 167.0         | 21.3         |

\*Fundamental transmission is excluded from spurious emission limits

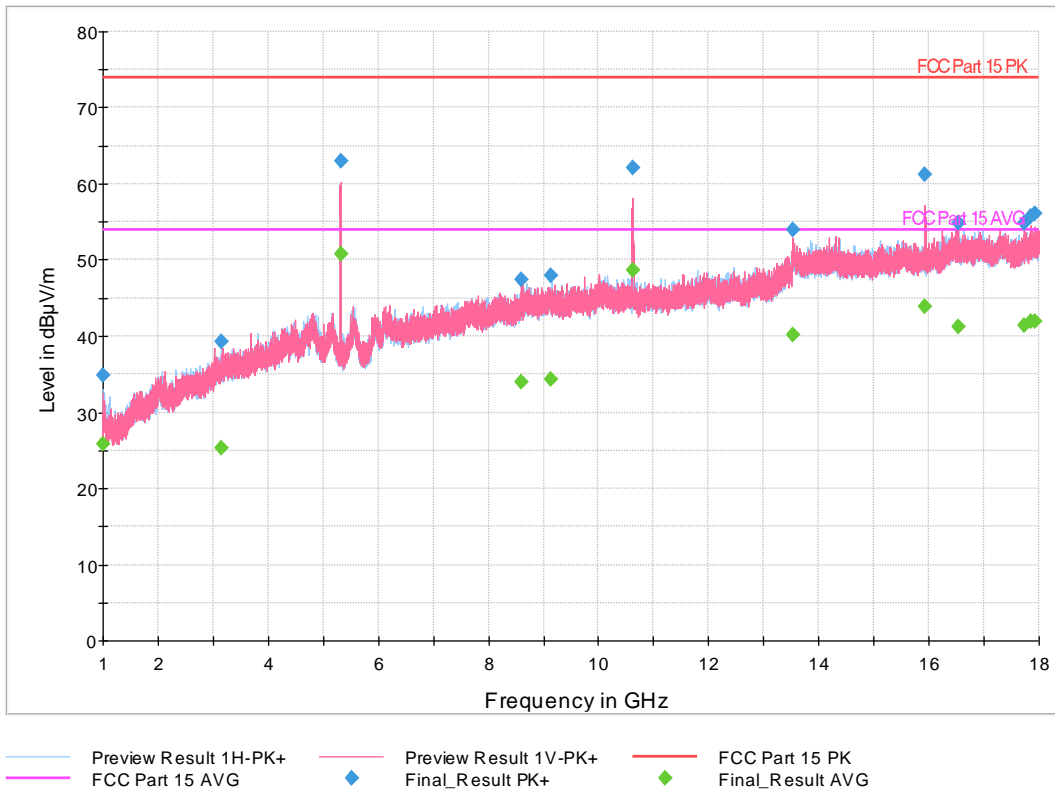


Figure 98: Radiated Emissions 1-18GHz – UNII-2A 802.11n HT40 High Channel 5310MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.000985     | ---              | 21.68            | 54.00          | 32.32       | 1000.000        | 154.0       | V   | 263.0         | -7.6         |
| 1000.000985     | 33.48            | ---              | 74.00          | 40.52       | 1000.000        | 154.0       | V   | 263.0         | -7.6         |
| 1952.065000     | 35.61            | ---              | 74.00          | 38.39       | 1000.000        | 154.0       | H   | 79.0          | -2.1         |
| 1952.065000     | ---              | 21.46            | 54.00          | 32.54       | 1000.000        | 154.0       | H   | 79.0          | -2.1         |
| 3164.500971     | 39.22            | ---              | 74.00          | 34.78       | 1000.000        | 150.0       | V   | 310.0         | 1.6          |
| 3164.500971     | ---              | 25.38            | 54.00          | 28.62       | 1000.000        | 150.0       | V   | 310.0         | 1.6          |
| 5493.620000     | 60.77            | ---              | N/A*           | N/A*        | 1000.000        | 152.0       | H   | 292.0         | 7.8          |
| 5493.620000     | ---              | 48.97            | N/A*           | N/A*        | 1000.000        | 152.0       | H   | 292.0         | 7.8          |
| 10216.886000    | 48.88            | ---              | 74.00          | 25.12       | 1000.000        | 350.0       | H   | 194.0         | 11.9         |
| 10216.886000    | ---              | 35.14            | 54.00          | 18.86       | 1000.000        | 350.0       | H   | 194.0         | 11.9         |
| 13524.000000    | ---              | 40.09            | 54.00          | 13.91       | 1000.000        | 150.0       | V   | 163.0         | 15.8         |
| 13524.000000    | 53.50            | ---              | 74.00          | 20.50       | 1000.000        | 150.0       | V   | 163.0         | 15.8         |
| 14643.000971    | 53.01            | ---              | 74.00          | 20.99       | 1000.000        | 150.0       | V   | 83.0          | 17.4         |
| 14643.000971    | ---              | 39.32            | 54.00          | 14.68       | 1000.000        | 150.0       | V   | 83.0          | 17.4         |
| 16954.500000    | 55.44            | ---              | 74.00          | 18.56       | 1000.000        | 250.0       | V   | 184.0         | 19.9         |
| 16954.500000    | ---              | 41.66            | 54.00          | 12.34       | 1000.000        | 250.0       | V   | 184.0         | 19.9         |
| 17338.018029    | ---              | 41.76            | 54.00          | 12.24       | 1000.000        | 355.0       | H   | 220.0         | 20.7         |
| 17338.018029    | 55.26            | ---              | 74.00          | 18.74       | 1000.000        | 355.0       | H   | 220.0         | 20.7         |

\*Fundamental transmission is excluded from spurious emission limits

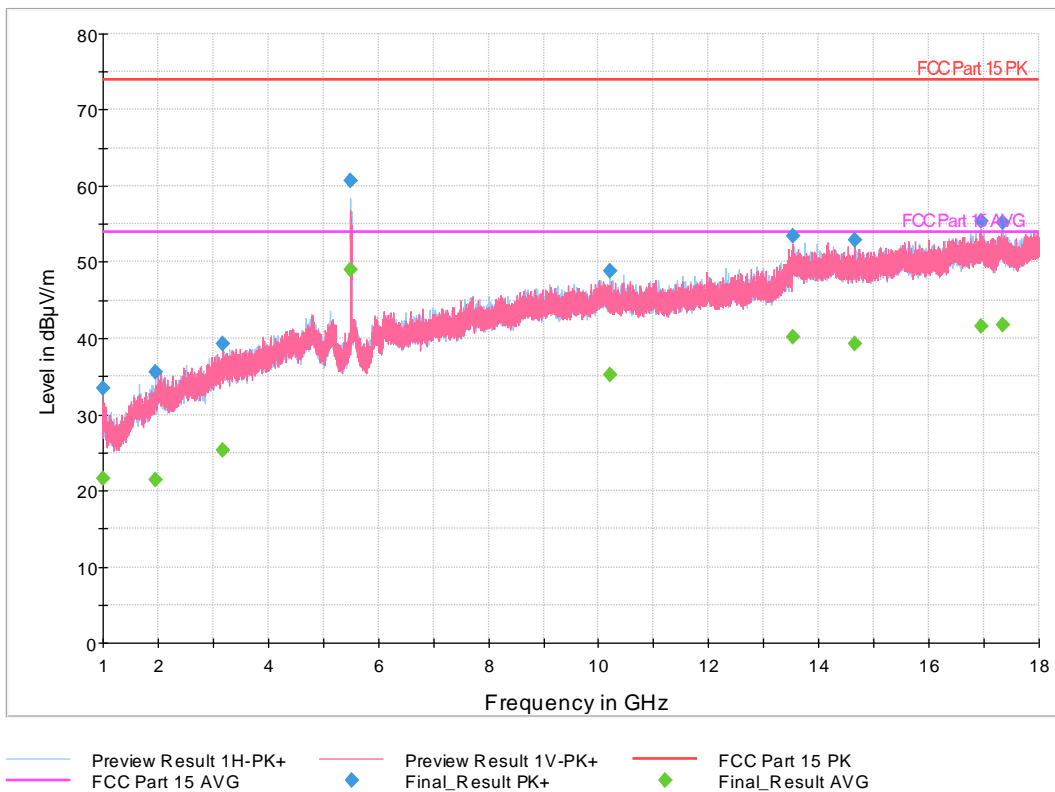


Figure 99: Radiated Emissions 1-18GHz – UNII-2C 802.11n HT40 Low Channel 5510MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.000985     | ---              | 31.39            | 54.00          | 22.61       | 1000.000        | 100.0       | H   | 79.0          | -7.6         |
| 1000.000985     | 38.10            | ---              | 74.00          | 35.90       | 1000.000        | 100.0       | H   | 79.0          | -7.6         |
| 2487.715029     | 37.01            | ---              | 74.00          | 36.99       | 1000.000        | 150.0       | H   | 27.0          | -0.1         |
| 2487.715029     | ---              | 23.13            | 54.00          | 30.87       | 1000.000        | 150.0       | H   | 27.0          | -0.1         |
| 5597.025029     | 70.01            | ---              | N/A*           | N/A*        | 1000.000        | 155.0       | H   | 305.0         | 7.7          |
| 5597.025029     | ---              | 58.97            | N/A*           | N/A*        | 1000.000        | 155.0       | H   | 305.0         | 7.7          |
| 9922.000971     | ---              | 34.60            | 54.00          | 19.40       | 1000.000        | 350.0       | V   | 143.0         | 12.6         |
| 9922.000971     | 48.13            | ---              | 74.00          | 25.87       | 1000.000        | 350.0       | V   | 143.0         | 12.6         |
| 11189.000000    | ---              | 41.55            | 54.00          | 12.45       | 1000.000        | 150.0       | H   | 279.0         | 12.6         |
| 11189.000000    | 58.49            | ---              | 74.00          | 15.51       | 1000.000        | 150.0       | H   | 279.0         | 12.6         |
| 13606.188000    | 53.42            | ---              | 74.00          | 20.58       | 1000.000        | 100.0       | H   | 283.0         | 15.4         |
| 13606.188000    | ---              | 39.52            | 54.00          | 14.48       | 1000.000        | 100.0       | H   | 283.0         | 15.4         |
| 15561.388029    | ---              | 40.18            | 54.00          | 13.82       | 1000.000        | 103.0       | V   | 1.0           | 18.0         |
| 15561.388029    | 54.23            | ---              | 74.00          | 19.77       | 1000.000        | 103.0       | V   | 1.0           | 18.0         |
| 16508.431000    | 54.49            | ---              | 74.00          | 19.51       | 1000.000        | 100.0       | H   | 128.0         | 18.9         |
| 16508.431000    | ---              | 41.22            | 54.00          | 12.78       | 1000.000        | 100.0       | H   | 128.0         | 18.9         |
| 17920.516000    | ---              | 41.98            | 54.00          | 12.02       | 1000.000        | 357.0       | V   | 325.0         | 21.3         |
| 17920.516000    | 55.79            | ---              | 74.00          | 18.21       | 1000.000        | 357.0       | V   | 325.0         | 21.3         |

\*Fundamental transmission is excluded from spurious emission limits

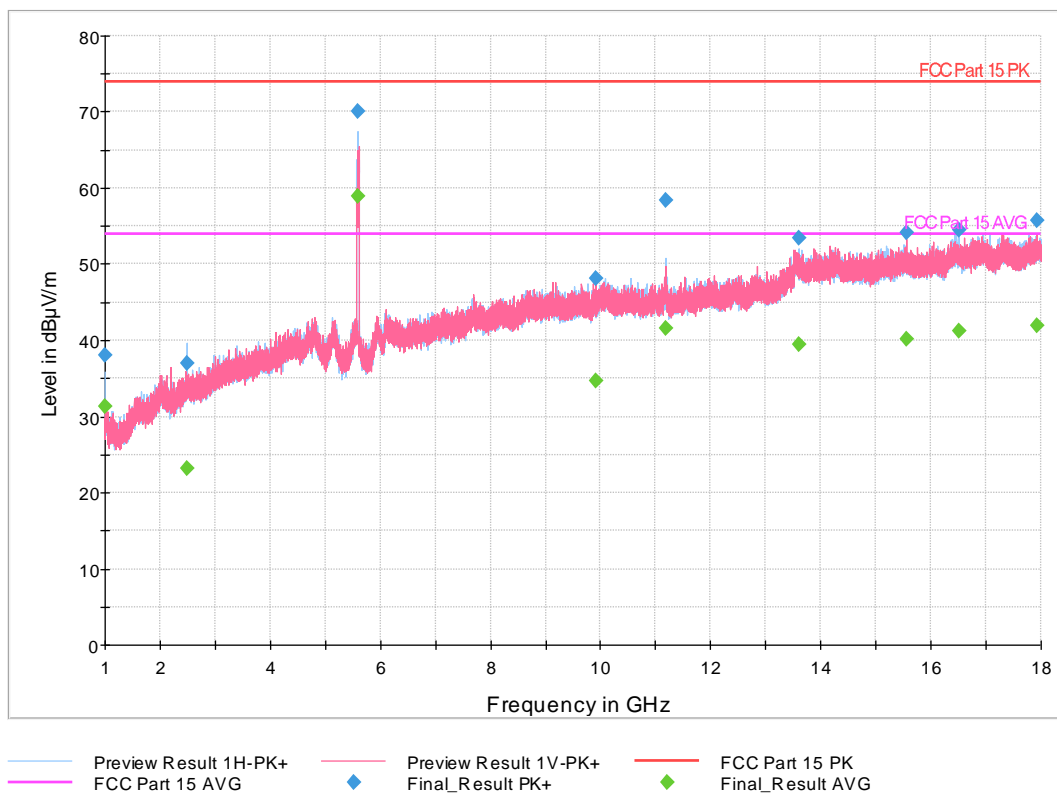


Figure 100: Radiated Emissions 1-18GHz – UNII-2C 802.11n HT40 Mid Channel 5590MHz

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.010985     | 38.01            | ---              | 74.00          | 35.99       | 1000.000        | 100.0       | H   | 242.0         | -7.6         |
| 1000.010985     | ---              | 31.92            | 54.00          | 22.09       | 1000.000        | 100.0       | H   | 242.0         | -7.6         |
| 1998.638000     | ---              | 22.20            | 54.00          | 31.80       | 1000.000        | 253.0       | H   | 283.0         | -1.3         |
| 1998.638000     | 36.55            | ---              | 74.00          | 37.45       | 1000.000        | 253.0       | H   | 283.0         | -1.3         |
| 5663.500000     | ---              | 59.21            | N/A*           | N/A*        | 1000.000        | 155.0       | H   | 119.0         | 7.6          |
| 5663.500000     | 71.00            | ---              | N/A*           | N/A*        | 1000.000        | 155.0       | H   | 119.0         | 7.6          |
| 13598.861000    | 53.12            | ---              | 74.00          | 20.88       | 1000.000        | 350.0       | H   | 121.0         | 15.4         |
| 13598.861000    | ---              | 39.53            | 54.00          | 14.47       | 1000.000        | 350.0       | H   | 121.0         | 15.4         |
| 15529.499029    | ---              | 40.39            | 54.00          | 13.61       | 1000.000        | 106.0       | H   | -5.0          | 18.2         |
| 15529.499029    | 54.02            | ---              | 74.00          | 19.98       | 1000.000        | 106.0       | H   | -5.0          | 18.2         |
| 16981.850029    | ---              | 41.64            | 54.00          | 12.36       | 1000.000        | 155.0       | V   | 260.0         | 19.9         |
| 16981.850029    | 55.10            | ---              | 74.00          | 18.90       | 1000.000        | 155.0       | V   | 260.0         | 19.9         |
| 17987.872000    | ---              | 41.99            | 54.00          | 12.01       | 1000.000        | 355.0       | V   | 28.0          | 21.2         |
| 17987.872000    | 55.59            | ---              | 74.00          | 18.41       | 1000.000        | 355.0       | V   | 28.0          | 21.2         |

\*Fundamental transmission is excluded from spurious emission limits

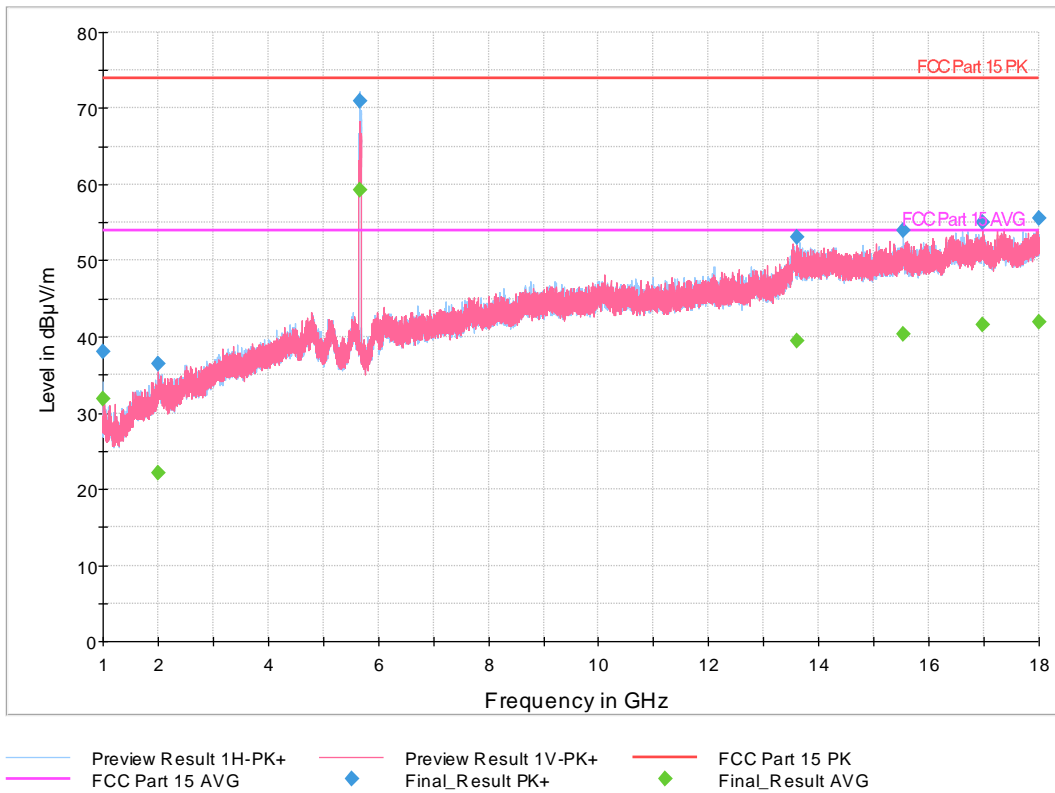


Figure 101: Radiated Emissions 1-18GHz – UNII-2C 802.11n HT40 High Channel 5670MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 5276.500971     | 63.06            | ---              | N/A*           | N/A*        | 1000.000        | 150.0       | V   | 2.0           | 7.3          |
| 5276.500971     | ---              | 51.88            | N/A*           | N/A*        | 1000.000        | 150.0       | V   | 2.0           | 7.3          |
| 10538.230029    | 64.37            | ---              | 74.00          | 9.63        | 1000.000        | 100.0       | V   | 340.0         | 12.7         |
| 10538.230029    | ---              | 51.10            | 54.00          | 2.90        | 1000.000        | 100.0       | V   | 340.0         | 12.7         |
| 15467.000971    | ---              | 41.78            | 54.00          | 12.22       | 1000.000        | 250.0       | V   | 232.0         | 18.1         |
| 15467.000971    | 55.08            | ---              | 74.00          | 18.92       | 1000.000        | 250.0       | V   | 232.0         | 18.1         |
| 15819.000971    | 65.37            | ---              | 74.00          | 8.63        | 1000.000        | 100.0       | V   | 330.0         | 17.9         |
| 15819.000971    | ---              | 48.65            | 54.00          | 5.35        | 1000.000        | 100.0       | V   | 330.0         | 17.9         |
| 16480.236971    | 57.08            | ---              | 74.00          | 16.92       | 1000.000        | 150.0       | V   | 30.0          | 18.9         |
| 16480.236971    | ---              | 43.58            | 54.00          | 10.42       | 1000.000        | 150.0       | V   | 30.0          | 18.9         |
| 17402.895029    | ---              | 44.89            | 54.00          | 9.11        | 1000.000        | 153.0       | H   | 241.0         | 20.9         |
| 17402.895029    | 58.14            | ---              | 74.00          | 15.86       | 1000.000        | 153.0       | H   | 241.0         | 20.9         |
| 17526.201000    | ---              | 44.43            | 54.00          | 9.57        | 1000.000        | 350.0       | H   | 312.0         | 20.4         |
| 17526.201000    | 58.42            | ---              | 74.00          | 15.58       | 1000.000        | 350.0       | H   | 312.0         | 20.4         |

\*Fundamental transmission is excluded from spurious emission limits

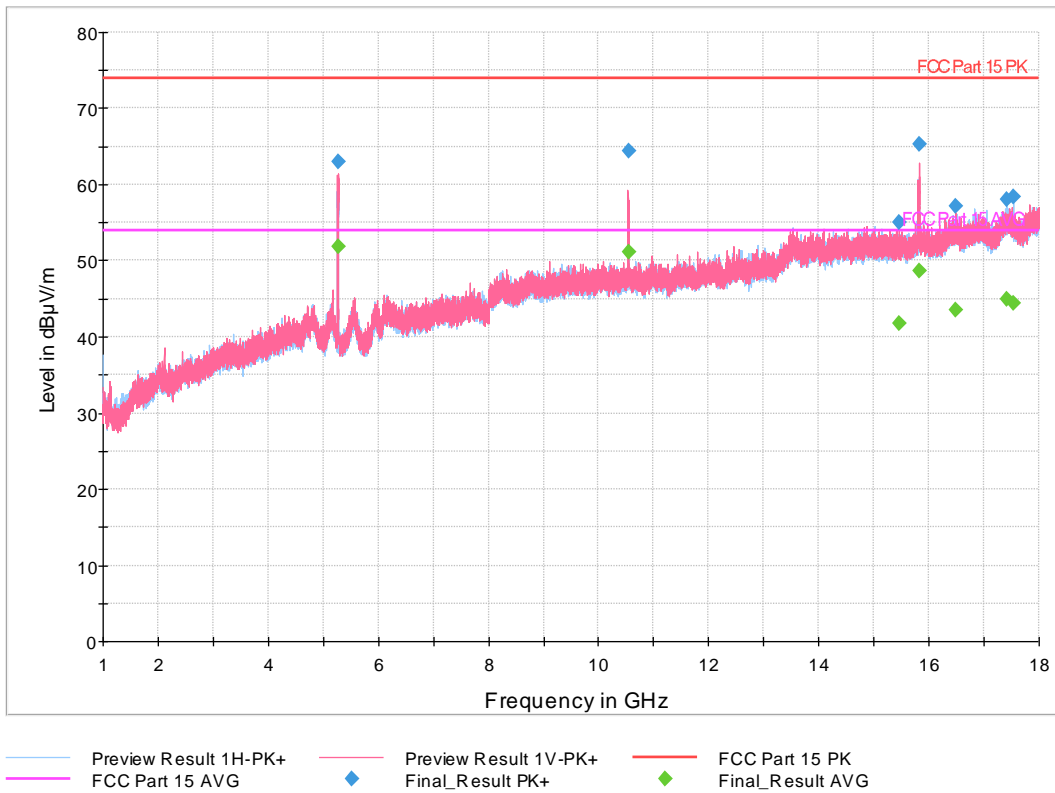


Figure 102: Radiated Emissions 1-18GHz – UNII-2A 802.11ac VHT40 Low Channel 5270MHz



| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 5309.306000     | ---              | 51.10            | N/A*           | N/A*        | 1000.000        | 150.0       | H   | 161.0         | 7.4          |
| 5309.306000     | 62.65            | ---              | N/A*           | N/A*        | 1000.000        | 150.0       | H   | 161.0         | 7.4          |
| 10610.999029    | ---              | 50.61            | 54.00          | 3.39        | 1000.000        | 100.0       | V   | 342.0         | 12.3         |
| 10610.999029    | 64.63            | ---              | 74.00          | 9.37        | 1000.000        | 100.0       | V   | 342.0         | 12.3         |
| 14511.499029    | ---              | 41.91            | 54.00          | 12.09       | 1000.000        | 253.0       | V   | 221.0         | 17.6         |
| 14511.499029    | 55.08            | ---              | 74.00          | 18.92       | 1000.000        | 253.0       | V   | 221.0         | 17.6         |
| 15924.499029    | ---              | 48.48            | 54.00          | 5.52        | 1000.000        | 100.0       | V   | 332.0         | 18.1         |
| 15924.499029    | 63.68            | ---              | 74.00          | 10.32       | 1000.000        | 100.0       | V   | 332.0         | 18.1         |
| 17356.442000    | 58.07            | ---              | 74.00          | 15.93       | 1000.000        | 250.0       | V   | 198.0         | 20.8         |
| 17356.442000    | ---              | 44.42            | 54.00          | 9.58        | 1000.000        | 250.0       | V   | 198.0         | 20.8         |
| 17428.500000    | ---              | 44.79            | 54.00          | 9.21        | 1000.000        | 100.0       | V   | 182.0         | 20.7         |
| 17428.500000    | 58.15            | ---              | 74.00          | 15.85       | 1000.000        | 100.0       | V   | 182.0         | 20.7         |
| 17899.084000    | 58.26            | ---              | 74.00          | 15.74       | 1000.000        | 250.0       | H   | 323.0         | 21.4         |
| 17899.084000    | ---              | 44.95            | 54.00          | 9.05        | 1000.000        | 250.0       | H   | 323.0         | 21.4         |

\*Fundamental transmission is excluded from spurious emission limits

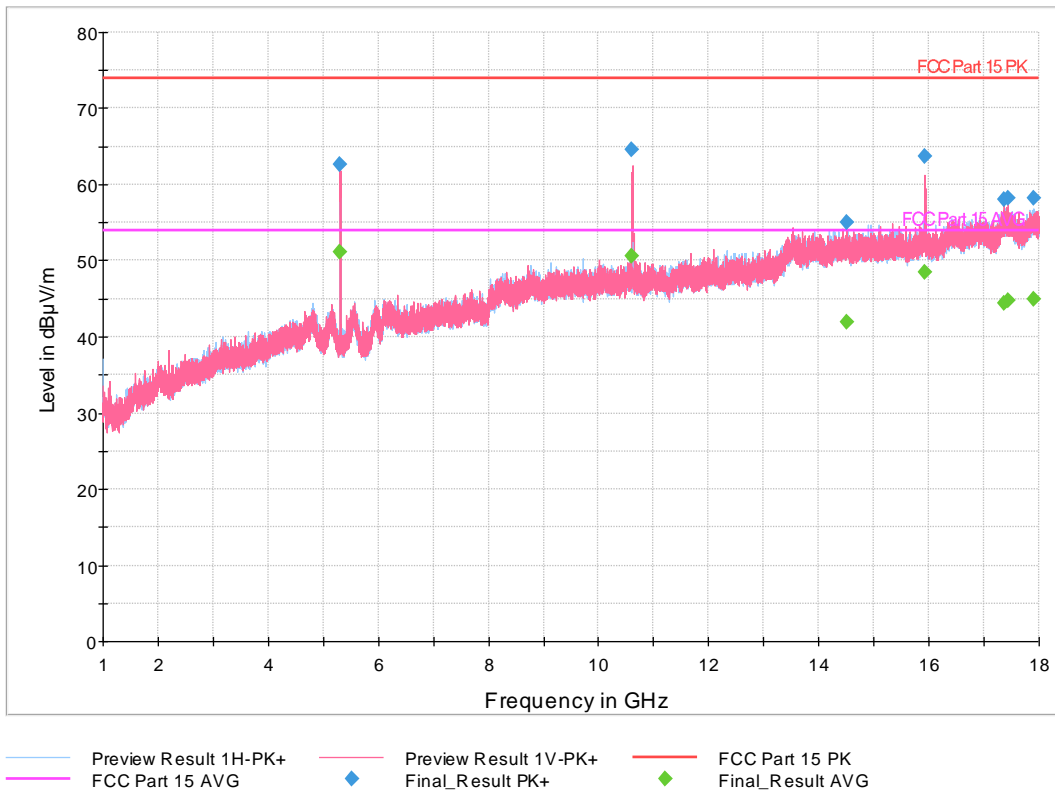


Figure 103: Radiated Emissions 1-18GHz – UNII-2A 802.11ac VHT40 High Channel 5310MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.086985     | 33.05            | ---              | 74.00          | 40.95       | 1000.000        | 255.0       | H   | 274.0         | -7.6         |
| 1000.086985     | ---              | 22.01            | 54.00          | 31.99       | 1000.000        | 255.0       | H   | 274.0         | -7.6         |
| 2201.220029     | 41.56            | ---              | 74.00          | 32.44       | 1000.000        | 100.0       | V   | -5.0          | -3.2         |
| 2201.220029     | ---              | 21.53            | 54.00          | 32.47       | 1000.000        | 100.0       | V   | -5.0          | -3.2         |
| 2476.877971     | ---              | 22.95            | 54.00          | 31.05       | 1000.000        | 154.0       | V   | 188.0         | -0.1         |
| 2476.877971     | 37.18            | ---              | 74.00          | 36.82       | 1000.000        | 154.0       | V   | 188.0         | -0.1         |
| 3488.499029     | ---              | 25.67            | 54.00          | 28.33       | 1000.000        | 255.0       | H   | 155.0         | 2.6          |
| 3488.499029     | 39.48            | ---              | 74.00          | 34.52       | 1000.000        | 255.0       | H   | 155.0         | 2.6          |
| 5508.252000     | ---              | 47.72            | N/A*           | N/A*        | 1000.000        | 104.0       | H   | 63.0          | 7.9          |
| 5508.252000     | 59.23            | ---              | N/A*           | N/A*        | 1000.000        | 104.0       | H   | 63.0          | 7.9          |
| 8999.500000     | 47.94            | ---              | 74.00          | 26.06       | 1000.000        | 355.0       | H   | 238.0         | 11.6         |
| 8999.500000     | ---              | 34.30            | 54.00          | 19.70       | 1000.000        | 355.0       | H   | 238.0         | 11.6         |
| 13397.909000    | 51.78            | ---              | 74.00          | 22.22       | 1000.000        | 350.0       | H   | 49.0          | 16.0         |
| 13397.909000    | ---              | 38.27            | 54.00          | 15.73       | 1000.000        | 350.0       | H   | 49.0          | 16.0         |
| 15476.509000    | ---              | 40.05            | 54.00          | 13.95       | 1000.000        | 255.0       | V   | -5.0          | 18.1         |
| 15476.509000    | 53.94            | ---              | 74.00          | 20.06       | 1000.000        | 255.0       | V   | -5.0          | 18.1         |
| 17305.499029    | ---              | 41.97            | 54.00          | 12.03       | 1000.000        | 350.0       | V   | 117.0         | 20.8         |
| 17305.499029    | 55.27            | ---              | 74.00          | 18.73       | 1000.000        | 350.0       | V   | 117.0         | 20.8         |
| 17961.991971    | ---              | 41.94            | 54.00          | 12.06       | 1000.000        | 350.0       | V   | 206.0         | 21.2         |
| 17961.991971    | 55.57            | ---              | 74.00          | 18.43       | 1000.000        | 350.0       | V   | 206.0         | 21.2         |

\*Fundamental transmission is excluded from spurious emission limits

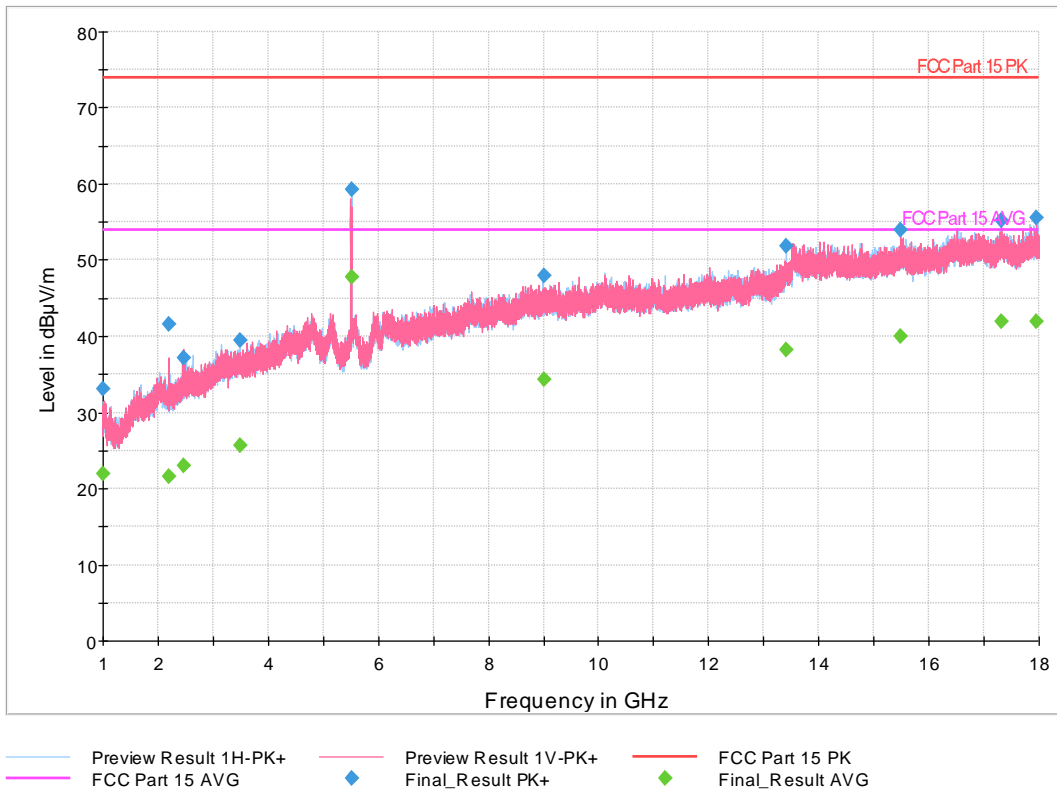


Figure 104: Radiated Emissions 1-18GHz – UNII-2C 802.11ac VHT40 Low Channel 5510MHz

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.017985     | ---              | 30.80            | 54.00          | 23.20       | 1000.000        | 100.0       | H   | 87.0          | -7.6         |
| 1000.017985     | 37.49            | ---              | 74.00          | 36.51       | 1000.000        | 100.0       | H   | 87.0          | -7.6         |
| 2460.111971     | ---              | 23.00            | 54.00          | 31.00       | 1000.000        | 350.0       | H   | 125.0         | -0.3         |
| 2460.111971     | 37.03            | ---              | 74.00          | 36.97       | 1000.000        | 350.0       | H   | 125.0         | -0.3         |
| 3852.499029     | ---              | 26.78            | 54.00          | 27.22       | 1000.000        | 255.0       | V   | 93.0          | 3.8          |
| 3852.499029     | 41.43            | ---              | 74.00          | 32.57       | 1000.000        | 255.0       | V   | 93.0          | 3.8          |
| 5596.999029     | ---              | 58.32            | N/A*           | N/A*        | 1000.000        | 155.0       | H   | 304.0         | 7.7          |
| 5596.999029     | 69.65            | ---              | N/A*           | N/A*        | 1000.000        | 155.0       | H   | 304.0         | 7.7          |
| 11181.596971    | 53.48            | ---              | 74.00          | 20.52       | 1000.000        | 154.0       | V   | 327.0         | 12.6         |
| 11181.596971    | ---              | 39.16            | 54.00          | 14.84       | 1000.000        | 154.0       | V   | 327.0         | 12.6         |
| 13549.233000    | ---              | 40.07            | 54.00          | 13.93       | 1000.000        | 150.0       | H   | 207.0         | 15.7         |
| 13549.233000    | 53.94            | ---              | 74.00          | 20.06       | 1000.000        | 150.0       | H   | 207.0         | 15.7         |
| 16762.709029    | 54.55            | ---              | 74.00          | 19.45       | 1000.000        | 155.0       | H   | 39.0          | 18.9         |
| 16762.709029    | ---              | 41.28            | 54.00          | 12.72       | 1000.000        | 155.0       | H   | 39.0          | 18.9         |
| 17832.157000    | ---              | 41.83            | 54.00          | 12.17       | 1000.000        | 350.0       | V   | 50.0          | 21.0         |
| 17832.157000    | 55.51            | ---              | 74.00          | 18.49       | 1000.000        | 350.0       | V   | 50.0          | 21.0         |

\*Fundamental transmission is excluded from spurious emission limits

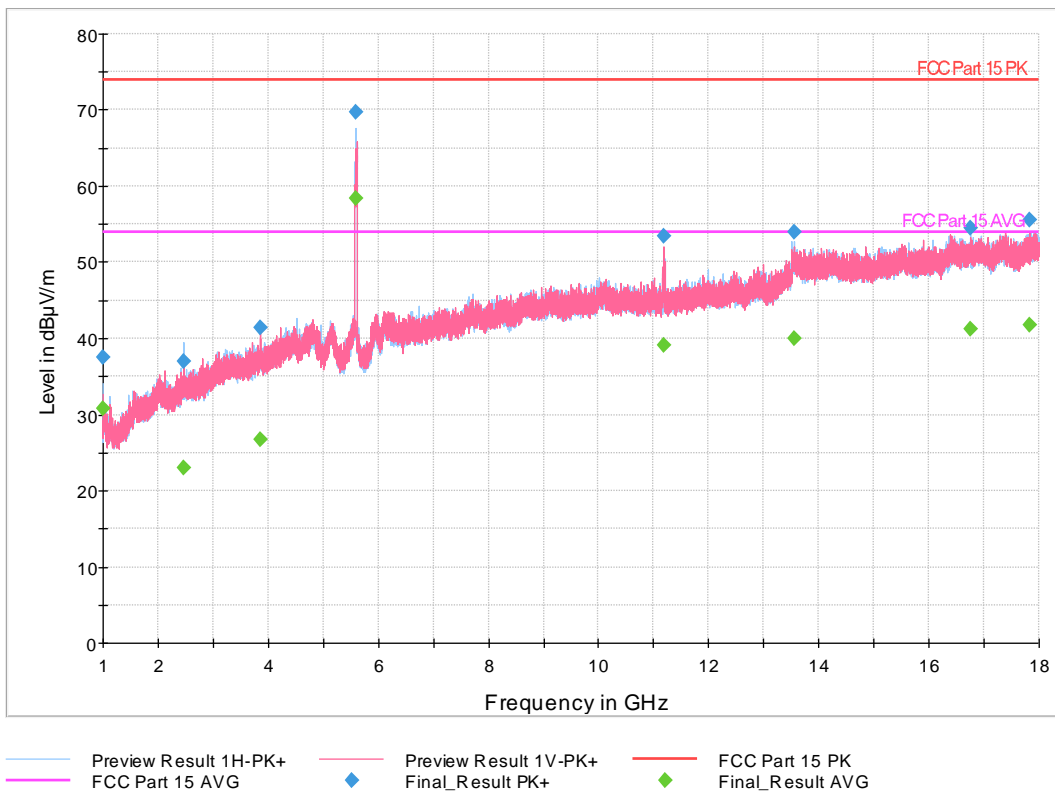


Figure 105: Radiated Emissions 1-18GHz – UNII-2C 802.11ac VHT40 Mid Channel 5590MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.000985     | ---              | 31.44            | 54.00          | 22.56       | 1000.000        | 100.0       | H   | 74.0          | -7.6         |
| 1000.000985     | 37.87            | ---              | 74.00          | 36.13       | 1000.000        | 100.0       | H   | 74.0          | -7.6         |
| 1999.930971     | ---              | 27.10            | 54.00          | 26.90       | 1000.000        | 154.0       | V   | 163.0         | -1.3         |
| 1999.930971     | 38.91            | ---              | 74.00          | 35.09       | 1000.000        | 154.0       | V   | 163.0         | -1.3         |
| 5673.500000     | ---              | 61.63            | N/A*           | N/A*        | 1000.000        | 154.0       | H   | 295.0         | 7.6          |
| 5673.500000     | 73.82            | ---              | N/A*           | N/A*        | 1000.000        | 154.0       | H   | 295.0         | 7.6          |
| 7348.500000     | ---              | 31.59            | 54.00          | 22.41       | 1000.000        | 250.0       | V   | 178.0         | 9.2          |
| 7348.500000     | 45.07            | ---              | 74.00          | 28.93       | 1000.000        | 250.0       | V   | 178.0         | 9.2          |
| 10105.241029    | ---              | 35.67            | 54.00          | 18.33       | 1000.000        | 250.0       | H   | 118.0         | 12.8         |
| 10105.241029    | 49.61            | ---              | 74.00          | 24.39       | 1000.000        | 250.0       | H   | 118.0         | 12.8         |
| 13670.266971    | ---              | 39.20            | 54.00          | 14.80       | 1000.000        | 250.0       | V   | 231.0         | 15.6         |
| 13670.266971    | 52.68            | ---              | 74.00          | 21.32       | 1000.000        | 250.0       | V   | 231.0         | 15.6         |
| 16493.595000    | 54.99            | ---              | 74.00          | 19.01       | 1000.000        | 250.0       | H   | 188.0         | 18.9         |
| 16493.595000    | ---              | 41.33            | 54.00          | 12.67       | 1000.000        | 250.0       | H   | 188.0         | 18.9         |
| 17310.471029    | 55.63            | ---              | 74.00          | 18.37       | 1000.000        | 106.0       | H   | 229.0         | 20.8         |
| 17310.471029    | ---              | 41.95            | 54.00          | 12.05       | 1000.000        | 106.0       | H   | 229.0         | 20.8         |
| 17921.006000    | ---              | 42.00            | 54.00          | 12.00       | 1000.000        | 250.0       | H   | 46.0          | 21.3         |
| 17921.006000    | 55.59            | ---              | 74.00          | 18.41       | 1000.000        | 250.0       | H   | 46.0          | 21.3         |

\*Fundamental transmission is excluded from spurious emission limits

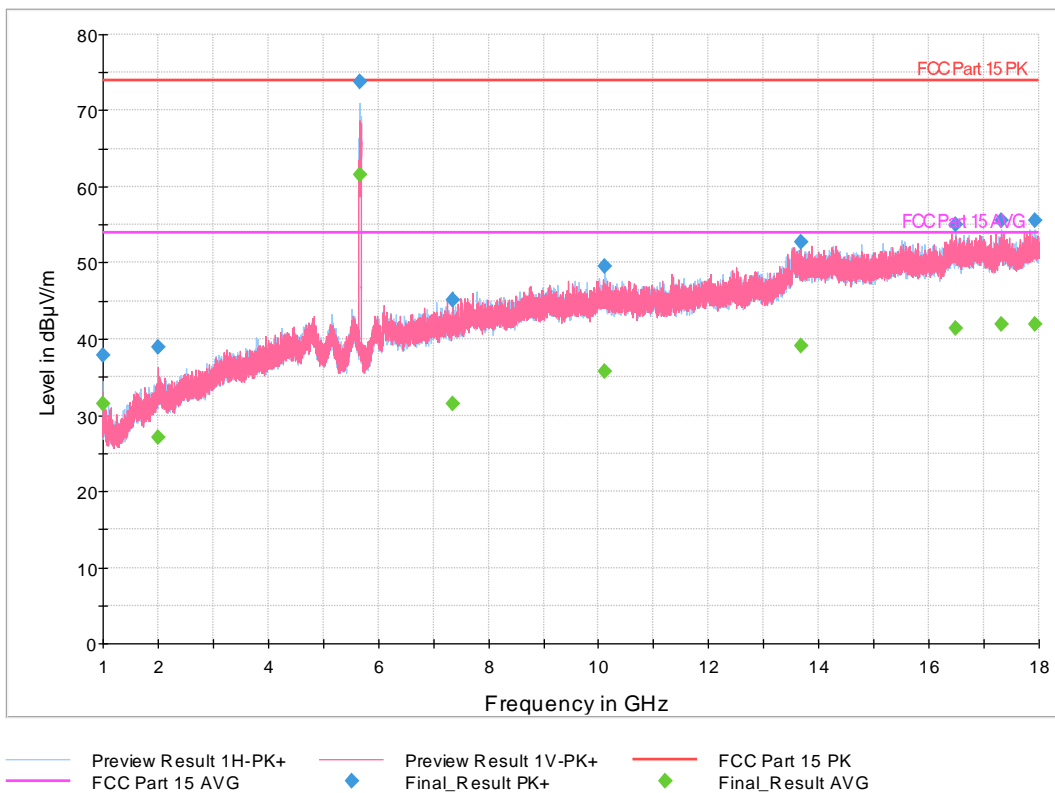


Figure 106: Radiated Emissions 1-18GHz – UNII-2C 802.11ac VHT40 High Channel 5670MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 5297.746000     | ---              | 51.22            | N/A*           | N/A*        | 1000.000        | 105.0       | V   | 281.0         | 7.3          |
| 5297.746000     | 63.08            | ---              | N/A*           | N/A*        | 1000.000        | 105.0       | V   | 281.0         | 7.3          |
| 10577.901029    | ---              | 52.78            | 54.00          | 1.22        | 1000.000        | 100.0       | V   | 334.0         | 12.4         |
| 10577.901029    | 66.14            | ---              | 74.00          | 7.86        | 1000.000        | 100.0       | V   | 334.0         | 12.4         |
| 15414.016000    | 55.24            | ---              | 74.00          | 18.76       | 1000.000        | 104.0       | V   | 49.0          | 17.8         |
| 15414.016000    | ---              | 41.95            | 54.00          | 12.05       | 1000.000        | 104.0       | V   | 49.0          | 17.8         |
| 15873.712971    | 62.89            | ---              | 74.00          | 11.11       | 1000.000        | 100.0       | V   | 8.0           | 18.2         |
| 15873.712971    | ---              | 47.37            | 54.00          | 6.63        | 1000.000        | 100.0       | V   | 8.0           | 18.2         |
| 16665.834971    | ---              | 42.90            | 54.00          | 11.10       | 1000.000        | 250.0       | H   | 295.0         | 18.8         |
| 16665.834971    | 56.24            | ---              | 74.00          | 17.76       | 1000.000        | 250.0       | H   | 295.0         | 18.8         |
| 16856.155971    | ---              | 43.65            | 54.00          | 10.35       | 1000.000        | 253.0       | H   | 320.0         | 19.4         |
| 16856.155971    | 56.85            | ---              | 74.00          | 17.15       | 1000.000        | 253.0       | H   | 320.0         | 19.4         |
| 17395.500971    | ---              | 44.90            | 54.00          | 9.10        | 1000.000        | 253.0       | V   | 171.0         | 20.9         |
| 17395.500971    | 59.04            | ---              | 74.00          | 14.96       | 1000.000        | 253.0       | V   | 171.0         | 20.9         |

\*Fundamental transmission is excluded from spurious emission limits

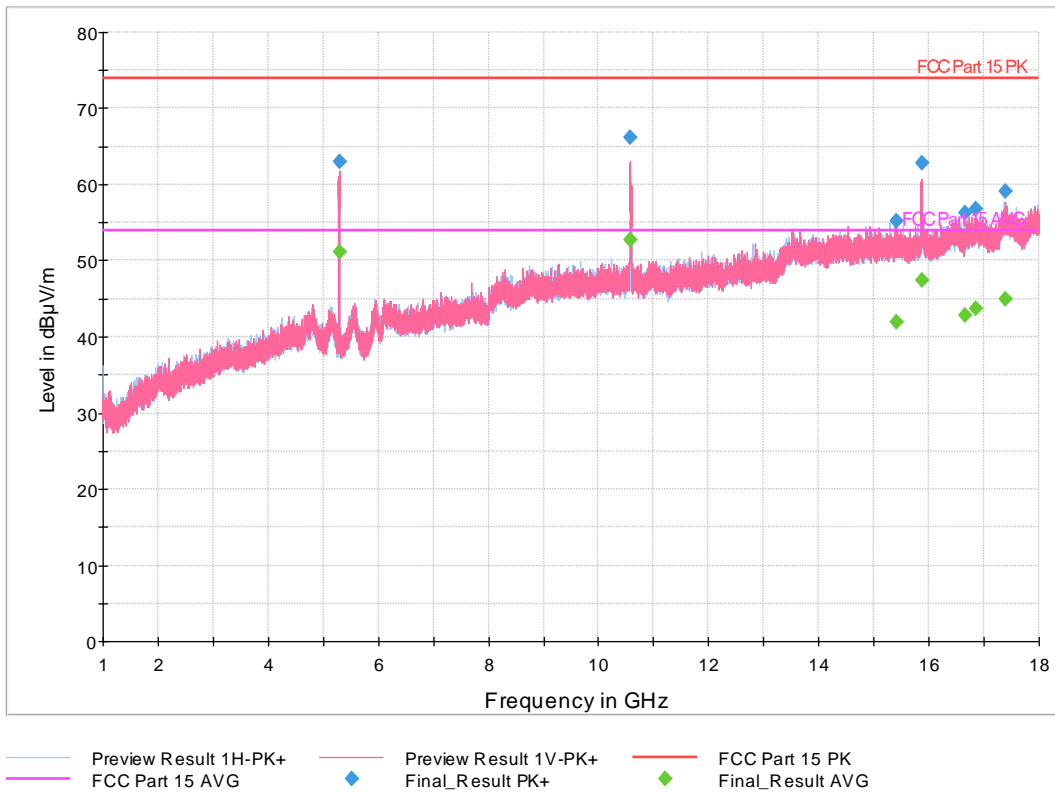


Figure 107: Radiated Emissions 1-18GHz – UNII-2A 802.11ac VHT80 Mid Channel 5290MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 2111.890029     | 37.18            | ---              | 74.00          | 36.82       | 1000.000        | 250.0       | H   | 234.0         | -2.4         |
| 2111.890029     | ---              | 24.62            | 54.00          | 29.38       | 1000.000        | 250.0       | H   | 234.0         | -2.4         |
| 3189.340971     | 40.09            | ---              | 74.00          | 33.91       | 1000.000        | 150.0       | H   | 330.0         | 1.9          |
| 3189.340971     | ---              | 25.19            | 54.00          | 28.81       | 1000.000        | 150.0       | H   | 330.0         | 1.9          |
| 5566.000000     | 54.06            | ---              | 74.00          | 19.94       | 1000.000        | 154.0       | H   | 298.0         | 7.8          |
| 5566.000000     | ---              | 41.66            | 54.00          | 12.34       | 1000.000        | 154.0       | H   | 298.0         | 7.8          |
| 9090.380971     | 48.02            | ---              | 74.00          | 25.98       | 1000.000        | 350.0       | V   | 356.0         | 12.1         |
| 9090.380971     | ---              | 34.70            | 54.00          | 19.30       | 1000.000        | 350.0       | V   | 356.0         | 12.1         |
| 13502.679029    | ---              | 40.11            | 54.00          | 13.89       | 1000.000        | 354.0       | H   | 306.0         | 15.9         |
| 13502.679029    | 53.67            | ---              | 74.00          | 20.34       | 1000.000        | 354.0       | H   | 306.0         | 15.9         |
| 16611.524971    | 54.61            | ---              | 74.00          | 19.39       | 1000.000        | 350.0       | V   | 256.0         | 18.7         |
| 16611.524971    | ---              | 41.25            | 54.00          | 12.75       | 1000.000        | 350.0       | V   | 256.0         | 18.7         |
| 17341.665000    | 55.24            | ---              | 74.00          | 18.76       | 1000.000        | 253.0       | V   | 143.0         | 20.7         |
| 17341.665000    | ---              | 41.78            | 54.00          | 12.22       | 1000.000        | 253.0       | V   | 143.0         | 20.7         |
| 17874.000000    | ---              | 41.94            | 54.00          | 12.06       | 1000.000        | 100.0       | H   | -1.0          | 21.3         |
| 17874.000000    | 55.30            | ---              | 74.00          | 18.70       | 1000.000        | 100.0       | H   | -1.0          | 21.3         |

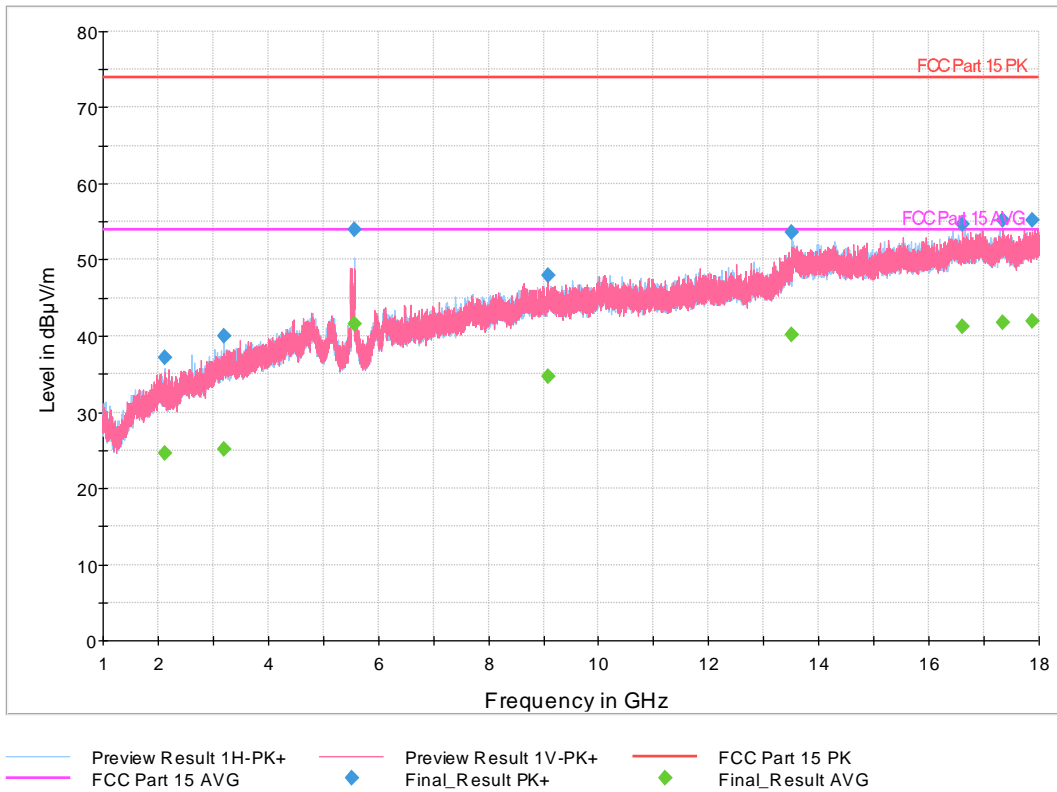


Figure 108: Radiated Emissions 1-18GHz – UNII-2C 802.11ac VHT80 Low Channel 5530MHz

| Frequency (MHz) | MaxPeak (dBµV/m) | Average (dBµV/m) | Limit (dBµV/m) | Margin (dB) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-----------------|-------------|-----|---------------|--------------|
| 1000.000985     | ---              | 30.53            | 54.00          | 23.47       | 1000.000        | 100.0       | H   | 91.0          | -7.6         |
| 1000.000985     | 37.36            | ---              | 74.00          | 36.64       | 1000.000        | 100.0       | H   | 91.0          | -7.6         |
| 2200.500000     | ---              | 21.20            | 54.00          | 32.80       | 1000.000        | 156.0       | V   | 22.0          | -3.2         |
| 2200.500000     | 40.55            | ---              | 74.00          | 33.45       | 1000.000        | 156.0       | V   | 22.0          | -3.2         |
| 5617.269029     | 68.04            | ---              | N/A*           | N/A*        | 1000.000        | 154.0       | H   | 303.0         | 7.6          |
| 5617.269029     | ---              | 56.04            | N/A*           | N/A*        | 1000.000        | 154.0       | H   | 303.0         | 7.6          |
| 9106.800029     | 48.25            | ---              | 74.00          | 25.75       | 1000.000        | 150.0       | V   | 230.0         | 12.2         |
| 9106.800029     | ---              | 34.77            | 54.00          | 19.23       | 1000.000        | 150.0       | V   | 230.0         | 12.2         |
| 13537.365029    | ---              | 40.15            | 54.00          | 13.85       | 1000.000        | 350.0       | V   | 267.0         | 15.8         |
| 13537.365029    | 54.17            | ---              | 74.00          | 19.83       | 1000.000        | 350.0       | V   | 267.0         | 15.8         |
| 15675.000000    | 53.41            | ---              | 74.00          | 20.59       | 1000.000        | 100.0       | V   | 108.0         | 17.7         |
| 15675.000000    | ---              | 39.72            | 54.00          | 14.28       | 1000.000        | 100.0       | V   | 108.0         | 17.7         |
| 16871.813971    | ---              | 41.49            | 54.00          | 12.51       | 1000.000        | 354.0       | V   | 189.0         | 19.4         |
| 16871.813971    | 55.11            | ---              | 74.00          | 18.89       | 1000.000        | 354.0       | V   | 189.0         | 19.4         |
| 17844.679000    | 55.22            | ---              | 74.00          | 18.78       | 1000.000        | 254.0       | H   | 56.0          | 21.1         |
| 17844.679000    | ---              | 41.76            | 54.00          | 12.24       | 1000.000        | 254.0       | H   | 56.0          | 21.1         |

\*Fundamental transmission is excluded from spurious emission limits

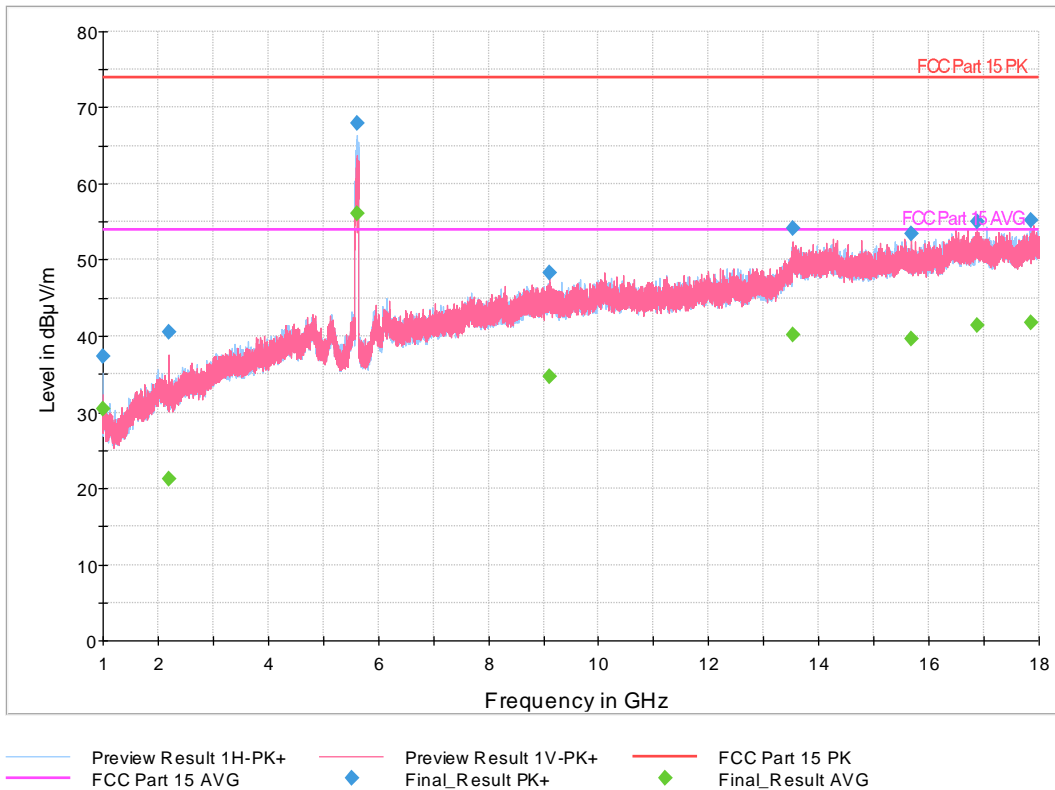


Figure 109: Radiated Emissions 1-18GHz – UNII-2C 802.11ac VHT80 High Channel 5610MHz

## 4.6 AC Conducted Emissions

Testing was performed in accordance with ANSI C63.4: 2014. These test methods are listed under the laboratory's A2LA Scope of Accreditation.

This test measures the levels emanating from the EUT's AC input port, thus evaluating the potential for the EUT to cause radio frequency interference to other electronic devices.

The AC conducted emissions of equipment under test shall not exceed the values in CFR47 Part 15.207: 2020 and RSS GEN: 2019.

### 4.6.1 Test Methodology

A test program that controls instrumentation and data logging was used to automate the AC Power Line Conducted emission test procedure. The frequency range of interest was divided into sub-ranges such as to yield a frequency resolution of 9 kHz. Each phase and neutral of the AC power line were measured with respect to ground. Measurements were performed using a set of 50µH / 50Ω LISNs.

Testing is performed in Lab 5. The setup photographs clearly identify which site was used. The vertical ground plane used in the semi-anechoic chamber is a 2m x 2m solid aluminum frame and panel, and it is bonded to the horizontal ground plane.

In the case of tabletop equipment, the EUT is placed on a 1.0m x 1.5m non-conductive table 80cm above the ground plane and 40cm from a vertical ground reference plane. The rear of the EUT was positioned flush with the backside of the table and directly over the LISNs. The power and I/O cables were routed over the edge of the table and bundled approximately 40cm from the ground plane. Support equipment was powered from a separate LISN.

#### 4.6.1.1 Deviations

There were no deviations from this test methodology.

### 4.6.2 Test Results

As originally tested, the EUT was found to be compliant to the requirements of the test standard(s).

**Table 21:** AC Conducted Emissions – Test Results

| <b>Test Conditions:</b> Conducted Measurement at Normal Conditions only |                 | Date: March 9, 2021               |
|---|-----------------|-----------------------------------|
| <b>Antenna Type:</b> FPCB   |                 | <b>Power Level:</b> See Test Plan |
| <b>AC Power:</b> 120 Vac/60 Hz  |                 | <b>Configuration:</b> Tabletop    |
| <b>Ambient Temperature:</b> 22° C                                       |                 | <b>Relative Humidity:</b> 35% RH  |
| Configuration   | Frequency Range | Test Result                       |
| Line 1 (Hot)  | 0.15 to 30 MHz  | Pass                              |
| Line 2 (Neutral)  | 0.15 to 30 MHz  | Pass                              |

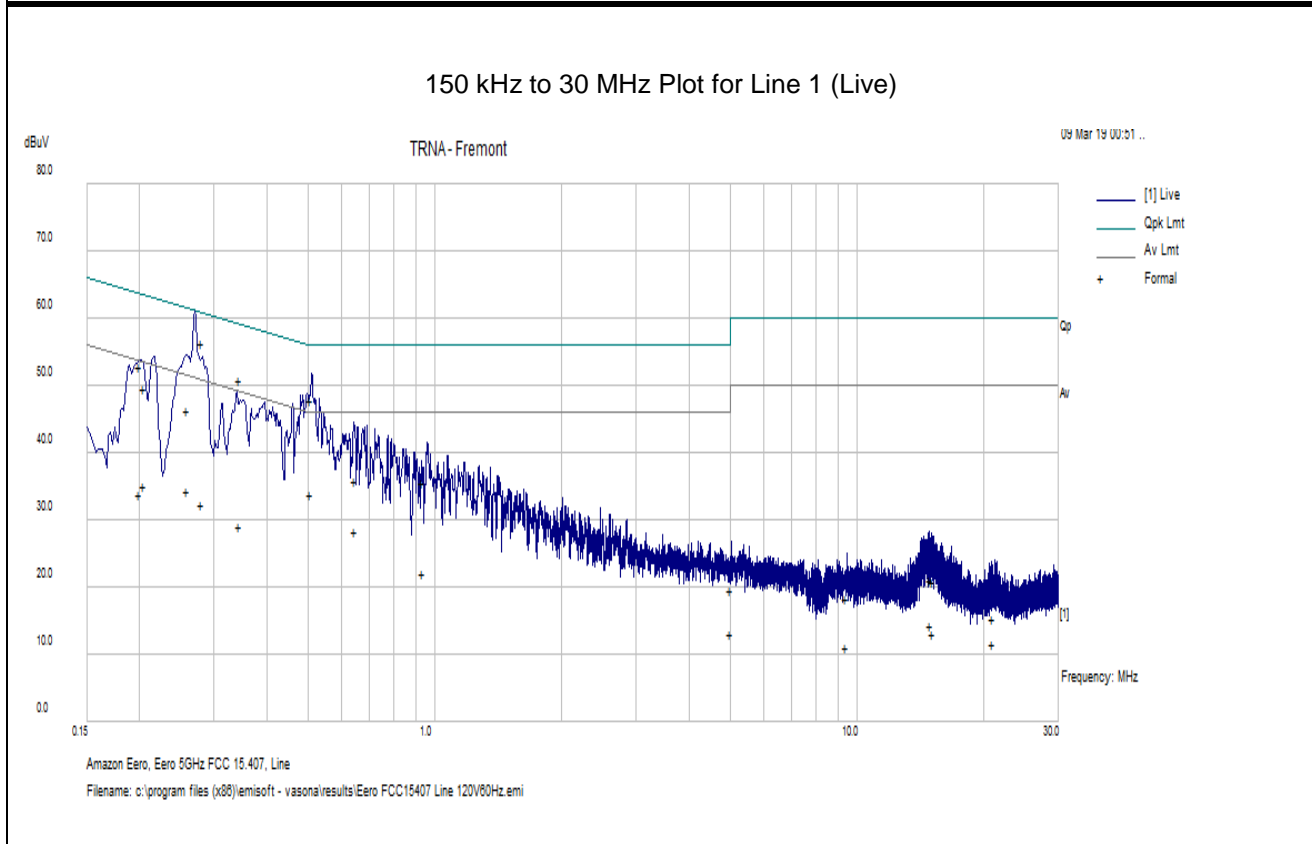


| SOP 2 Conducted Emissions   |                                  |            |         |       |          | Tracking # 32195354.001 Page 1 of 4 |                    |        |        |  |
|---|----------------------------------|------------|---------|-------|----------|-------------------------------------|--------------------|--------|--------|--|
| <b>EUT Name</b>   | eero 6 Pro                       |            |         |       |          | <b>Date</b>                         | March 9, 2021      |        |        |  |
| <b>EUT Model</b>  | K010001                          |            |         |       |          | <b>Temp / Hum in</b>                | 22° C / 35% rh     |        |        |  |
| <b>EUT Serial</b>   | KA58-0400-4W00-00CG              |            |         |       |          | <b>Temp / Hum out</b>               | N/A                |        |        |  |
| <b>EUT Config.</b>  | TX mode: 802.11a 6Mbps, 5700 MHz |            |         |       |          | <b>Line AC / Freq</b>               | 120 Vac / 60 Hz    |        |        |  |
| <b>Standard</b>   | CFR47 Part 15.207 and RSS Gen    |            |         |       |          | <b>RBW / VBW</b>                    | 9 kHz / 30 kHz     |        |        |  |
| <b>Lab/LISN</b>   | Lab #5 /Com-Power, Line 1        |            |         |       |          | <b>Performed by</b>                 | Alexander Sowinski |        |        |  |
| Frequency   | Raw                              | Cable Loss | Factors | Level | Detector | Line                                | Limit              | Margin | Result |  |
| MHz   | dBuV                             | dB         | dB      | dBuV  |          |                                     | dBuV               | dB     |        |  |
| 0.200   | 42.52                            | 10.22      | 0.07    | 52.81 | QP       | Live                                | 63.59              | -10.78 | Pass   |  |
| 0.200   | 23.57                            | 10.22      | 0.07    | 33.86 | Av       | Live                                | 53.59              | -19.73 | Pass   |  |
| 0.205   | 39.36                            | 10.22      | 0.07    | 49.64 | QP       | Live                                | 63.41              | -13.76 | Pass   |  |
| 0.205   | 24.92                            | 10.22      | 0.07    | 35.20 | Av       | Live                                | 53.41              | -18.20 | Pass   |  |
| 0.259   | 36.13                            | 10.16      | 0.05    | 46.34 | QP       | Live                                | 61.47              | -15.12 | Pass   |  |
| 0.259   | 24.25                            | 10.16      | 0.05    | 34.46 | Av       | Live                                | 51.47              | -17.01 | Pass   |  |
| 0.281   | 22.26                            | 10.14      | 0.05    | 32.46 | Av       | Live                                | 50.80              | -18.34 | Pass   |  |
| 0.281   | 46.22                            | 10.14      | 0.05    | 56.41 | QP       | Live                                | 60.80              | -4.38  | Pass   |  |
| 0.345   | 40.64                            | 10.11      | 0.04    | 50.79 | QP       | Live                                | 59.08              | -8.29  | Pass   |  |
| 0.345   | 19.05                            | 10.11      | 0.04    | 29.20 | Av       | Live                                | 49.08              | -19.88 | Pass   |  |
| 0.509   | 37.59                            | 10.11      | 0.04    | 47.74 | QP       | Live                                | 56.00              | -8.26  | Pass   |  |
| 0.509   | 23.66                            | 10.11      | 0.04    | 33.81 | Av       | Live                                | 46.00              | -12.19 | Pass   |  |
| 0.646   | 18.17                            | 10.12      | 0.03    | 28.32 | Av       | Live                                | 46.00              | -17.68 | Pass   |  |
| 0.646   | 25.70                            | 10.12      | 0.03    | 35.85 | QP       | Live                                | 56.00              | -20.15 | Pass   |  |
| 0.937   | 25.36                            | 10.12      | 0.03    | 35.52 | QP       | Live                                | 56.00              | -20.48 | Pass   |  |
| 0.937   | 11.98                            | 10.12      | 0.03    | 22.14 | Av       | Live                                | 46.00              | -23.86 | Pass   |  |
| 5.033   | 2.76                             | 10.24      | 0.03    | 13.03 | Av       | Live                                | 50.00              | -36.97 | Pass   |  |
| 14.982  | 4.01                             | 10.43      | -0.06   | 14.38 | Av       | Live                                | 50.00              | -35.62 | Pass   |  |
| 15.113  | 2.76                             | 10.43      | -0.06   | 13.13 | Av       | Live                                | 50.00              | -36.87 | Pass   |  |
| Spec Margin = QP./Ave. - Limit, ± Uncertainty   |                                  |            |         |       |          |                                     |                    |        |        |  |
| Combined Standard Uncertainty $u_c(y) = \pm 1.2$ dB Expanded Uncertainty $U = k u_c(y)$ $k = 2$ for 95% confidence  |                                  |            |         |       |          |                                     |                    |        |        |  |
| Notes: EUT was setup as table top equipment and transmitted at 5700 MHz in 802.11a at 6Mbps.<br>Pre-Scan test on 5500 MHz and 5700 MHz, found 5700 MHz as worse case. |                                  |            |         |       |          |                                     |                    |        |        |  |

**SOP 2** Conducted Emissions

Tracking # 32195354.001 Page 2 of 4

|                    |                                  |                       |                    |
|--------------------|----------------------------------|-----------------------|--------------------|
| <b>EUT Name</b>    | eero 6 Pro                       | <b>Date</b>           | March 9, 2021      |
| <b>EUT Model</b>   | K010001                          | <b>Temp / Hum in</b>  | 22° C / 35% rh     |
| <b>EUT Serial</b>  | KA58-0400-4W00-00CG              | <b>Temp / Hum out</b> | N/A                |
| <b>EUT Config.</b> | TX mode: 802.11a 6Mbps, 5700 MHz | <b>Line AC</b>        | 120 Vac / 60 Hz    |
| <b>Standard</b>    | CFR47 Part 15.207 and RSS Gen    | <b>RBW / VBW</b>      | 9 kHz / 30 kHz     |
| <b>Lab/LISN</b>    | Lab #5 /Com-Power, Line 1        | <b>Performed by</b>   | Alexander Sowinski |



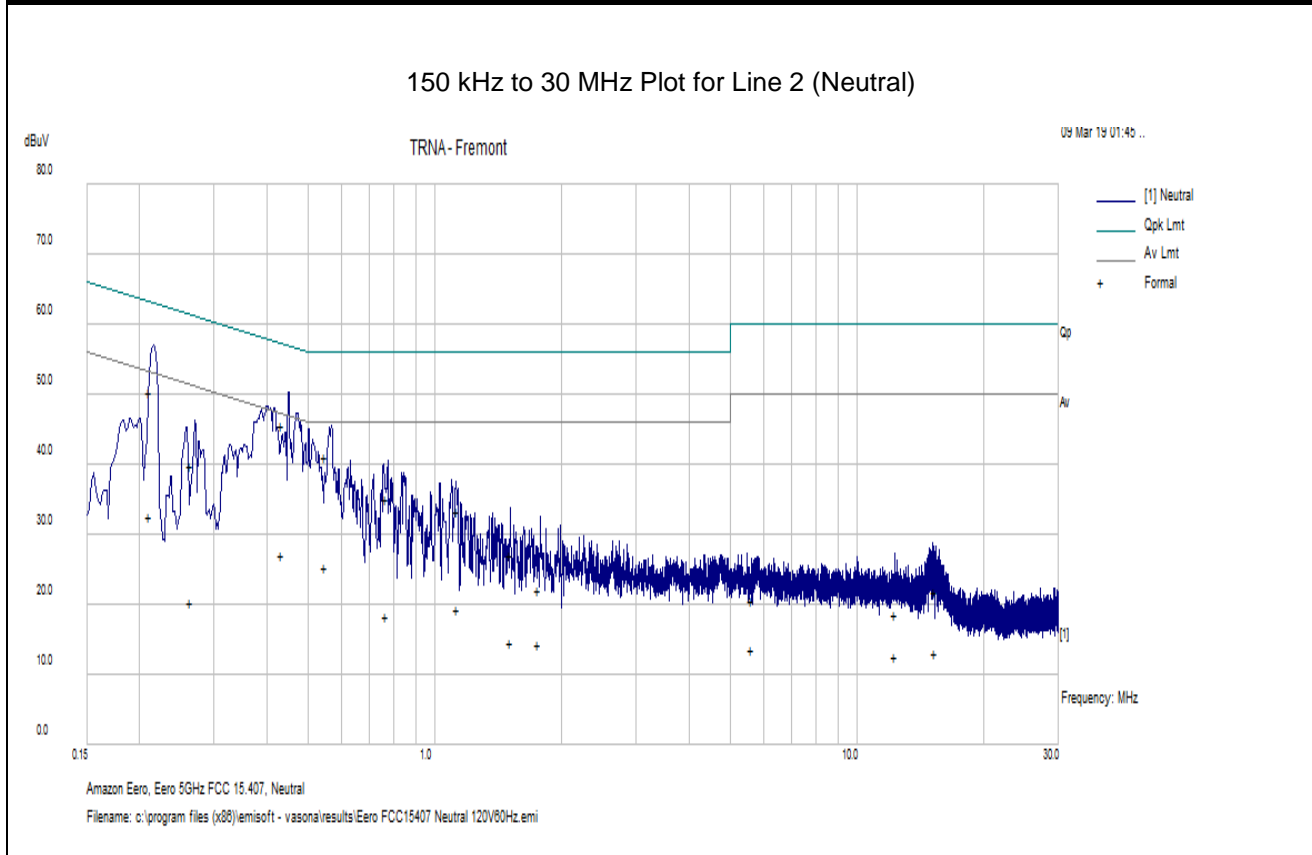
**Note: Met FCC Class B limit.**

| SOP 2 Conducted Emissions   |                                  |            |         |       |          | Tracking # 32195354.001 Page 3 of 4 |                    |        |        |  |
|---|----------------------------------|------------|---------|-------|----------|-------------------------------------|--------------------|--------|--------|--|
| <b>EUT Name</b>   | eero 6 Pro                       |            |         |       |          | <b>Date</b>                         | March 9, 2021      |        |        |  |
| <b>EUT Model</b>  | K010001                          |            |         |       |          | <b>Temp / Hum in</b>                | 22° C / 35% rh     |        |        |  |
| <b>EUT Serial</b>   | KA58-0400-4W00-00CG              |            |         |       |          | <b>Temp / Hum out</b>               | N/A                |        |        |  |
| <b>EUT Config.</b>  | TX mode: 802.11a 6Mbps, 5700 MHz |            |         |       |          | <b>Line AC</b>                      | 120 Vac / 60 Hz    |        |        |  |
| <b>Standard</b>   | CFR47 Part 15.207 and RSS Gen    |            |         |       |          | <b>RBW / VBW</b>                    | 9 kHz / 30 kHz     |        |        |  |
| <b>Lab/LISN</b>   | Lab #5 /Com-Power, Neutral       |            |         |       |          | <b>Performed by</b>                 | Alexander Sowinski |        |        |  |
| Frequency   | Raw                              | Cable Loss | Factors | Level | Detector | Line                                | Limit              | Margin | Result |  |
| MHz   | dBuV                             | dB         | dB      | dBuV  |          |                                     | dBuV               | dB     |        |  |
| 0.211   | 40.11                            | 10.21      | 0.07    | 50.39 | QP       | Neutral                             | 63.15              | -12.76 | Pass   |  |
| 0.211   | 22.26                            | 10.21      | 0.07    | 32.54 | Av       | Neutral                             | 53.15              | -20.62 | Pass   |  |
| 0.264   | 10.27                            | 10.16      | 0.05    | 20.48 | Av       | Neutral                             | 51.31              | -30.83 | Pass   |  |
| 0.264   | 29.66                            | 10.16      | 0.05    | 39.87 | QP       | Neutral                             | 61.31              | -21.44 | Pass   |  |
| 0.435   | 35.35                            | 10.10      | 0.04    | 45.49 | QP       | Neutral                             | 57.16              | -11.67 | Pass   |  |
| 0.435   | 16.94                            | 10.10      | 0.04    | 27.08 | Av       | Neutral                             | 47.16              | -20.08 | Pass   |  |
| 0.551   | 15.30                            | 10.11      | 0.03    | 25.44 | Av       | Neutral                             | 46.00              | -20.56 | Pass   |  |
| 0.551   | 30.86                            | 10.11      | 0.03    | 41.00 | QP       | Neutral                             | 56.00              | -15.00 | Pass   |  |
| 0.767   | 8.29                             | 10.12      | 0.03    | 18.44 | Av       | Neutral                             | 46.00              | -27.56 | Pass   |  |
| 0.767   | 24.85                            | 10.12      | 0.03    | 35.00 | QP       | Neutral                             | 56.00              | -21.00 | Pass   |  |
| 1.132   | 9.13                             | 10.13      | 0.03    | 19.28 | Av       | Neutral                             | 46.00              | -26.72 | Pass   |  |
| 1.132   | 23.20                            | 10.13      | 0.03    | 33.36 | QP       | Neutral                             | 56.00              | -22.64 | Pass   |  |
| 1.514   | 16.94                            | 10.14      | 0.03    | 27.11 | QP       | Neutral                             | 56.00              | -28.89 | Pass   |  |
| 1.514   | 4.57                             | 10.14      | 0.03    | 14.74 | Av       | Neutral                             | 46.00              | -31.26 | Pass   |  |
| 1.764   | 4.29                             | 10.14      | 0.03    | 14.46 | Av       | Neutral                             | 46.00              | -31.54 | Pass   |  |
| 1.764   | 11.96                            | 10.14      | 0.03    | 22.14 | QP       | Neutral                             | 56.00              | -33.86 | Pass   |  |
| 5.622   | 3.40                             | 10.25      | 0.03    | 13.68 | Av       | Neutral                             | 50.00              | -36.32 | Pass   |  |
| 12.341  | 2.37                             | 10.37      | -0.02   | 12.73 | Av       | Neutral                             | 50.00              | -37.27 | Pass   |  |
| 15.282  | 2.76                             | 10.43      | -0.06   | 13.13 | Av       | Neutral                             | 50.00              | -36.87 | Pass   |  |
| Spec Margin = QP./Ave. - Limit, ± Uncertainty   |                                  |            |         |       |          |                                     |                    |        |        |  |
| Combined Standard Uncertainty $u_c(y) = \pm 1.2$ dB Expanded Uncertainty $U = k u_c(y)$ $k = 2$ for 95% confidence  |                                  |            |         |       |          |                                     |                    |        |        |  |
| Notes: EUT was setup as table top equipment and transmitted at 5700 MHz in 802.11a at 6Mbps.<br>Pre-Scan test on 5500 MHz and 5700 MHz, found 5700 MHz as worse case. |                                  |            |         |       |          |                                     |                    |        |        |  |

**SOP 2** Conducted Emissions

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|                    |                                  |                       |                    |
|--------------------|----------------------------------|-----------------------|--------------------|
| <b>EUT Name</b>    | eero 6 Pro                       | <b>Date</b>           | March 9, 2021      |
| <b>EUT Model</b>   | K010001                          | <b>Temp / Hum in</b>  | 22° C / 35% rh     |
| <b>EUT Serial</b>  | KA58-0400-4W00-00CG              | <b>Temp / Hum out</b> | N/A                |
| <b>EUT Config.</b> | TX mode: 802.11a 6Mbps, 5700 MHz | <b>Line AC</b>        | 120 Vac / 60 Hz    |
| <b>Standard</b>    | CFR47 Part 15.207 and RSS Gen    | <b>RBW / VBW</b>      | 9 kHz / 30 kHz     |
| <b>Lab/LISN</b>    | Lab #5 /Com-Power, Neutral       | <b>Performed by</b>   | Alexander Sowinski |



Note: Met FCC Class B Limit.

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## **4.7 Frequency Stability**

In accordance with 47 CFR Part 15.407(g) and RSS GEN Sect. 8.8 the frequency stability of U-NII devices must be such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual. The Manufacturer calls out operating temperature ranges of +0° to +35° C.

The frequency stability of the reference oscillator sets the frequency stability of the RF transceiver signals. Therefore all of the RF signal should have  $\pm 20$  ppm stability.

This stability accounts for room temp tolerance of the crystal oscillator circuit, frequency variation across temperature, and crystal ageing.

### **4.7.1 Test Methodology**

The manufacturer of the equipment is responsible for ensuring that the frequency stability is such that emissions are always maintained within the band of operation under all conditions. This test performs according to ANSI C63.10-2013 Section 6.8.

### **4.7.2 Limit**

CFR47 Part 15.407(g) and RSS GEN Sect. 6.11 - Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

### **4.7.3 Manufacturer Declaration**

Eero LLC declares that the K010001 WiFi Module is compliant to CFR47 Part 15.31(e), 15.407(g) and RSS GEN Sect. 6.11 requirements. The K010001 maintains the fundamental emission within the bands of operation under all conditions of normal operation as specified in the user's manual.

## 5 Test Equipment List

### 5.1 Equipment List

| Equipment                            | Manufacturer    | Model #                   | Serial/Inst #       | Last Cal<br>mm/dd/yy | Next Cal<br>mm/dd/yy | Test |
|--------------------------------------|-----------------|---------------------------|---------------------|----------------------|----------------------|------|
| EMI Receiver                         | Rohde & Schwarz | ESW, 2Hz-44GHz            | 5000-2455-0027      | 2/28/2021            | 2/28/2022            | RE   |
| Preamplifier, 30 MHz<br>- 8 GHz      | Rohde & Schwarz | TS-PR8                    | 102353              | 2/26/2021            | 2/26/2022            | RE   |
| Trilog Antenna                       | Rohde & Schwarz | VULB 9162                 | A102606             | 2/27/2021            | 2/27/2022            | RE   |
| Preamplifier, 1-18GHz                | Rohde & Schwarz | SFUNIT-RX                 | 102143              | 3/23/2021            | 3/23/2022            | RE   |
| Preamplifier, 1-18GHz                | Rohde & Schwarz | TS-PR18                   | 101649              | 3/23/2021            | 3/23/2022            | RE   |
| Horn, 1-18GHz                        | Rohde & Schwarz | HF907                     | 20-817094-C         | 7/10/2019            | 7/10/2021            | RE   |
| Preamplifier, 18-<br>40GHz           | Rohde & Schwarz | TS-PR1840                 | 100067              | 2/26/2020            | 2/26/2021            | RE   |
| Horn, 18-40GHz                       | Rohde & Schwarz | 180-442-KF                | 132596-01           | 4/17/2020            | 4/13/2021            | RE   |
| Signal Generator                     | Rohde & Schwarz | SMB100B                   | 5000-02455-<br>0019 | 2/27/2021            | 5/16/2022            | RI   |
| Power Meter                          | Rohde & Schwarz | NRX Power Meter           | 5000-02455-<br>0024 | 2/28/2021            | 2/28/2022            | RI   |
| Wide Band Amplifier<br>System, <1GHz | Rohde & Schwarz | BBA150                    | 102531              | NCR                  | NCR                  | RI   |
| Wide Band Amplifier<br>System, >1GHz | Rohde & Schwarz | BBA150                    | 101840              | NCR                  | NCR                  | RI   |
| VHF/UHF EMS-Ant, <<br>1 GHz          | Rohde & Schwarz | HL046E<br>VHF/UHF EMS-Ant | 100323              | NCR                  | NCR                  | RI   |
| Stacked Double Log<br>>1GHz          | Rohde & Schwarz | STLP 9149                 | 00685               | NCR                  | NCR                  | RI   |

\* Calibration of equipment past due for re-calibration will be performed expeditiously. If any equipment is found to be out of tolerance at that time, affected customers will be notified accordingly.

VBU = Verify Before Use.

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## 6 EMC Test Plan

### 6.1 Introduction

This section provides a description of the Equipment Under Test (EUT), configurations, operating conditions, and performance acceptance criteria. It is an overview of information provided by the manufacturer so that the test laboratory may perform the requested testing.

### 6.2 Customer

**Table 22:** Customer Information

|                         |                         |
|-------------------------|-------------------------|
| <b>Company Name</b>     | eero LLC                |
| <b>Address</b>          | 660 3rd Street          |
| <b>City, State, Zip</b> | San Francisco, CA 94107 |
| <b>Country</b>          | U.S.A.                  |
| <b>Phone</b>            | +1 415-738-7972         |

**Table 23:** Technical Contact Information

|               |  |
|---------------|--|
| <b>Name</b>   | eero LLC   |
| <b>E-mail</b> | <a href="mailto:cliff@eero.com">cliff@eero.com</a> |
| <b>Phone</b>  | +1 415-738-7972                                    |

### 6.3 Equipment Under Test (EUT)

**Table 24:** EUT Specifications

| <b>EUT Specifications</b>                     |  |
|---|--|
| AC Input                                      | 100-240V AC, 50 – 60 Hz, 0.65A   |
| DC Input                                      | 9 VDC, 3 A, 27.0W  |
| Environment                                   | Indoor   |
| Operating Temperature Range:                  | 0 to 35 degrees C  |
| Multiple Feeds:                               | <input type="checkbox"/> Yes and how many<br><input checked="" type="checkbox"/> No  |
| Product Marketing Name (PMN)                  | Eero 6 Pro   |
| Hardware Version Identification Number (HVIN) | K010001  |
| Firmware Version Identification Number (FVIN) | eeroOS 6.0.0   |
| 802.11-radio modules                          |  |
| Operating Mode                                | 802.11a, 802.11b, 802.11g, 802.11n (HT20 & HT40), 802.11ac (VHT20, VHT40 & VHT80)  |
| Transmitter Frequency Band                    | 2.4 – 2.4835 GHz, 5.15– 5.25 GHz, 5.25– 5.35 GHz, 5.47– 5.72 GHz, and 5.725– 5.85 GHz  |
| Total Rated Power Output                      | 25.18 dBm  |
| Power Setting @ Operating Channel             | See Table 21: EUT Channel Power Specifications.  |
| Antenna Type                                  | Refer to Section 3.4.1   |
| Max. Peak Antenna Gain                        | Refer to Section 3.4.1   |
| Modulation Type                               | <input checked="" type="checkbox"/> Thread (Zigbee) <input checked="" type="checkbox"/> BLE <input checked="" type="checkbox"/> DSSS <input checked="" type="checkbox"/> OFDM<br><input type="checkbox"/> Other describe:  |
| Data Rate                                     | 802.11a:<br>1 Spatial Stream: 6, 9,12, 18, 24, 36, 48, 54 Mbps<br>802.11n HT20:<br>2 Spatial Streams: 13, 26, 39, 52, 78, 104, 117, 130 Mbps<br>802.11n HT40:<br>2 Spatial Streams: 27, 54, 81, 108, 162, 216, 243, 270 Mbps<br>802.11ac VHT20:<br>2 Spatial Streams: 13, 26, 39, 52, 78, 104, 117, 130, 156 Mbps<br>802.11ac VHT40:<br>2 Spatial Streams: 27, 54, 81, 108, 240, 270, 300, 360, 400 Mbps<br>802.11ac VHT80:<br>2 Spatial Streams: 58.5, 117, 175.5, 234, 351, 468, 526.5, 585, 702, 780 Mbps |



| <b>EUT Specifications</b>  |  |
|--|--|
| TX/RX Chain (s)  | UNII-2A: MIMO (2x2)<br>UNII-2C: MIMO (4x4)   |
| Directional Gain Type  | <input checked="" type="checkbox"/> Correlated <input type="checkbox"/> Beam-Forming<br><input type="checkbox"/> Other describe:                                     |
| Type of Equipment  | <input checked="" type="checkbox"/> Table Top <input type="checkbox"/> Wall-mount <input type="checkbox"/> Floor standing cabinet<br><input type="checkbox"/> Other: |
| <b>Note:</b> 1. All chains will be on / transmitted at all time.<br>2. EUT software: eero test image 9829eabd40+r49254; Fri Jan 8 17:11:07 UTC 2021. |  |

**Table 25:** EUT Channel Power Specifications

| UNII-2A |         |      |             | UNII-2C |         |      |             |
|---------|---------|------|-------------|---------|---------|------|-------------|
| Mode    | Channel | Freq | Pwr Setting | Mode    | Channel | Freq | Pwr Setting |
| a       | 52      | 5260 | 21.5        | a       | 100     | 5500 | 19          |
| a       | 60      | 5300 | 22          | a       | 120     | 5600 | 18.5        |
| a       | 64      | 5320 | 19*         | a       | 140     | 5700 | 19.5        |
| n20     | 52      | 5260 | 22          | n20     | 100     | 5500 | 18.2*       |
| n20     | 60      | 5300 | 22          | n20     | 120     | 5600 | 18.5        |
| n20     | 64      | 5320 | 15*         | n20     | 140     | 5700 | 19          |
| ac20    | 52      | 5260 | 22          | ac20    | 100     | 5500 | 18.1*       |
| ac20    | 60      | 5300 | 22          | ac20    | 120     | 5600 | 18.5        |
| ac20    | 64      | 5320 | 16.5*       | ac20    | 140     | 5700 | 19          |
| n40     | 54      | 5270 | 22          | n40     | 102     | 5510 | 16*         |
|         |         |      |             | n40     | 118     | 5590 | 18.5        |
| n40     | 62      | 5310 | 21*         | n40     | 134     | 5670 | 19          |
| ac40    | 54      | 5270 | 22          | ac40    | 102     | 5510 | 17*         |
|         |         |      |             | ac40    | 118     | 5590 | 18.5        |
| ac40    | 62      | 5310 | 22          | ac40    | 134     | 5670 | 19          |
|         |         |      |             | ac80    | 106     | 5530 | 12.3*       |
| ac80    | 58      | 5290 | 22          | ac80    | 122     | 5610 | 19          |

\*Power tuned down per Band-edge tests

**Table 26:** Interface Specifications

| Interface Type | Cabled with what type of cable?  | Is the cable shielded?                 | Maximum potential length of the cable?        | Metallic (M), Coax (C), Fiber (F), or Not Applicable? |
|----------------|----------------------------------|--|---|---|
| RJ45           | Terminated to Host Ethernet Port | <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Metric:2m | <input checked="" type="checkbox"/> N/A               |

**Table 27:** Supported Equipment

| Equipment | Manufacturer | Model         | Serial  | Used for      |
|-----------|--------------|---------------|---------|---------------|
| Laptop    | DELL         | Latitude 5420 | GBGHMQ1 | Set test mode |

**Table 28:** Description of Sample used for Testing

| Device            | Serial Number       | Configuration    | Used For   |
|-------------------|---------------------|------------------|--|
| K010001           | KA58-0400-4W00-00CG | Radiated Sample  | Radiated Emissions. Conducted Emission.  |
| K010001           | KA9G-OWVN-9RBE-8BXY | Conducted Sample | Output Power, Occupied Bandwidth, Conducted Spurious Emissions, Peak Power Spectral Density. |
| <b>Note:</b> None |                     |                  |  |

**Table 29:** Description of Test Configuration used for Radiated Measurement.

| Device  | Antenna    | Mode               | Setup Description    |
|---|------------|--------------------|----------------------|
| KA58-0400-4W00-00CG   | Integrated | Transmit & Receive | positioned tabletop. |
| <b>Note:</b> This is the final setup configuration used for testing on its normal positioned. |            |                    |                      |

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## 6.4 Test Specifications

**Table 30:** Test Specifications

| <b>Emissions</b>                    |                    |
|-------------------------------------|--------------------|
| <b>Regulation Rules / Standards</b> | <b>Requirement</b> |
| CFR 47 Part 15.407: 2021            | All                |
| RSS 247 Issue 2, 2017               | All                |

**END OF REPORT**