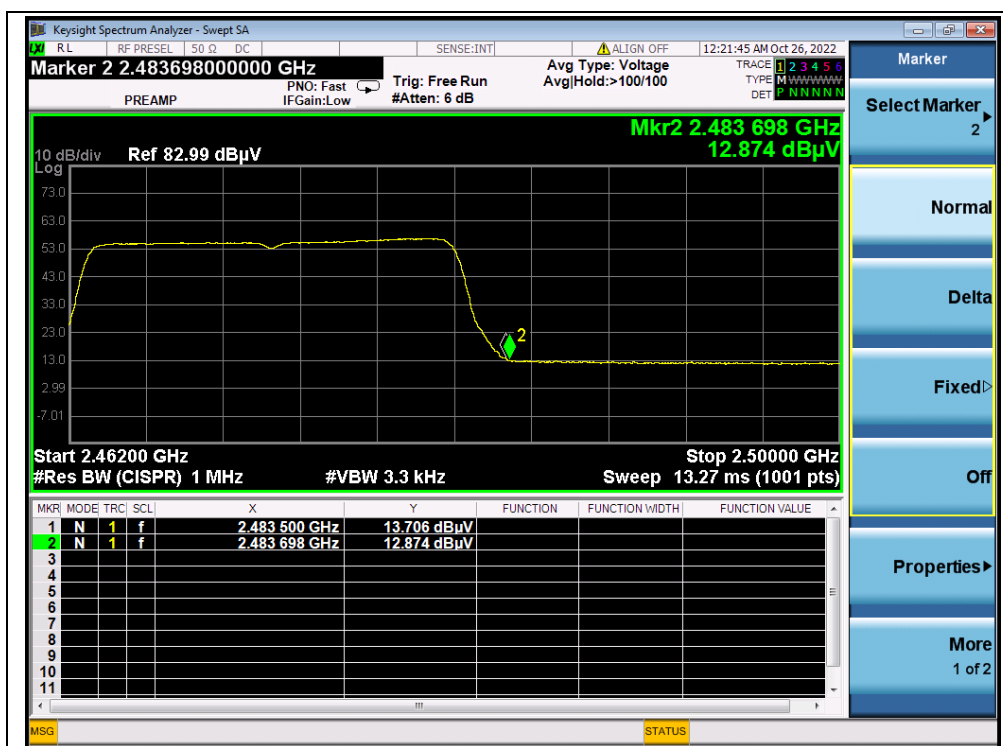




(AVERAGE, Channel 13, 802.11n (HT20))

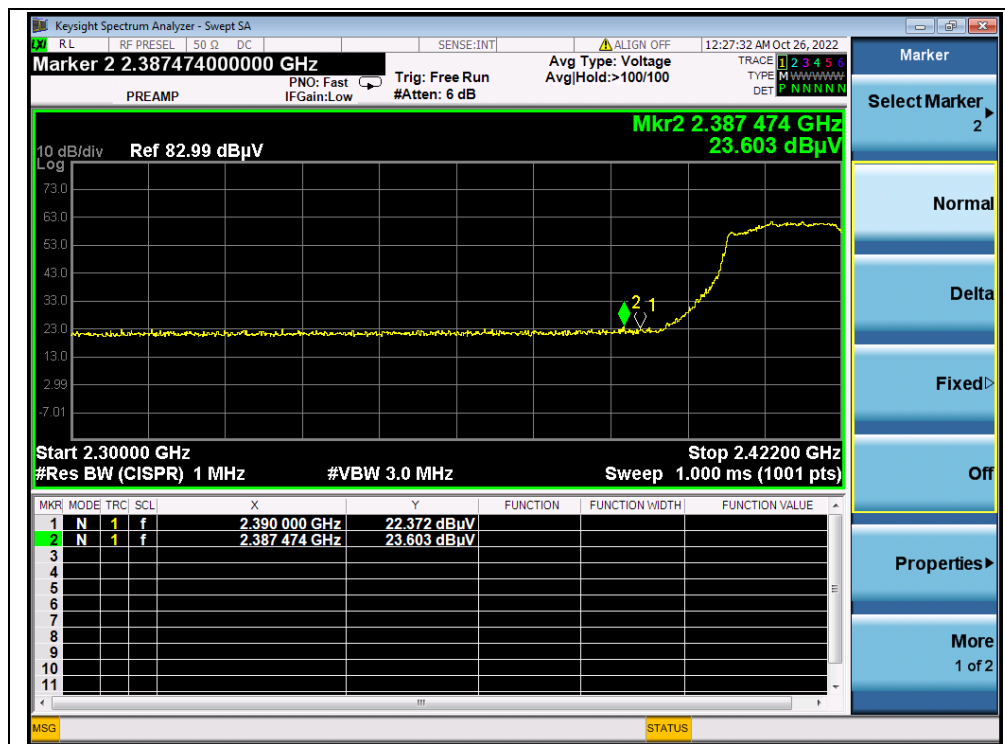


## 802.11n (HT40) Mode

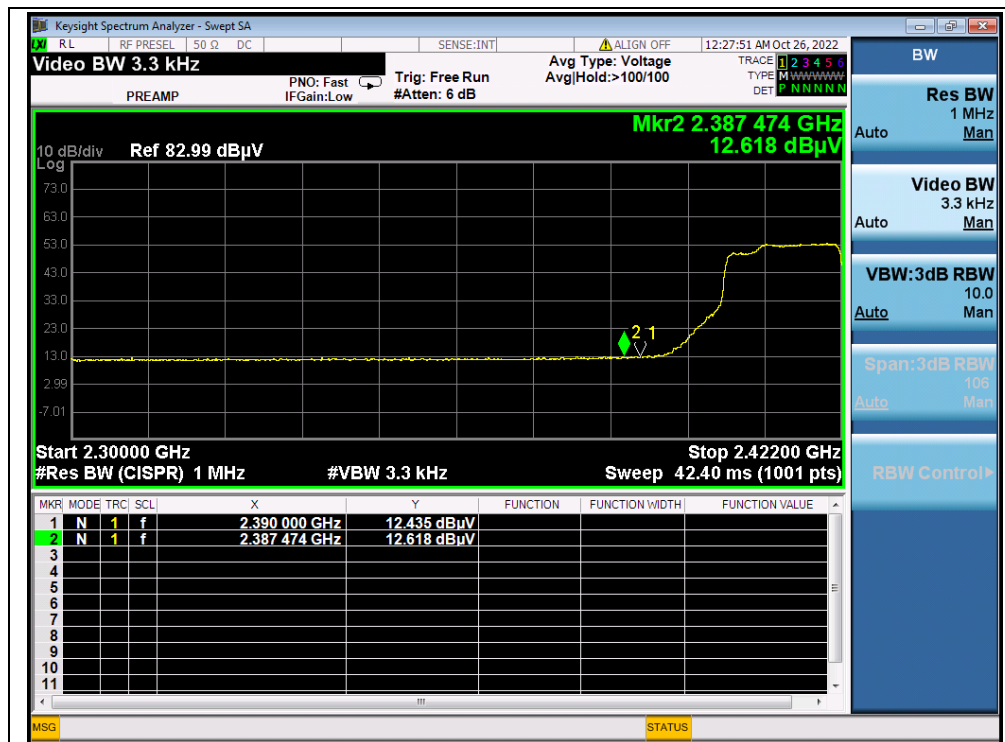
### A. Test Verdict:

| Channel | Frequency (MHz) | Detector | Receiver Reading $U_R$ (dB $\mu$ V) | $A_T$ (dB) | $A_{Factor}$ (dB@3m) | Max. Emission E (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Verdict |
|---------|-----------------|----------|-------------------------------------|------------|----------------------|--------------------------------|----------------------|---------|
|         |                 | PK/ AV   |                                     |            |                      |                                |                      |         |
| 3       | 2387.47         | PK       | 23.60                               | 6.74       | 27.20                | 57.54                          | 74                   | PASS    |
| 3       | 2387.47         | AV       | 12.62                               | 6.74       | 27.20                | 46.56                          | 54                   | PASS    |
| 11      | 2483.50         | PK       | 29.49                               | 6.74       | 27.20                | 63.43                          | 74                   | PASS    |
| 11      | 2483.50         | AV       | 12.98                               | 6.74       | 27.20                | 46.92                          | 54                   | PASS    |

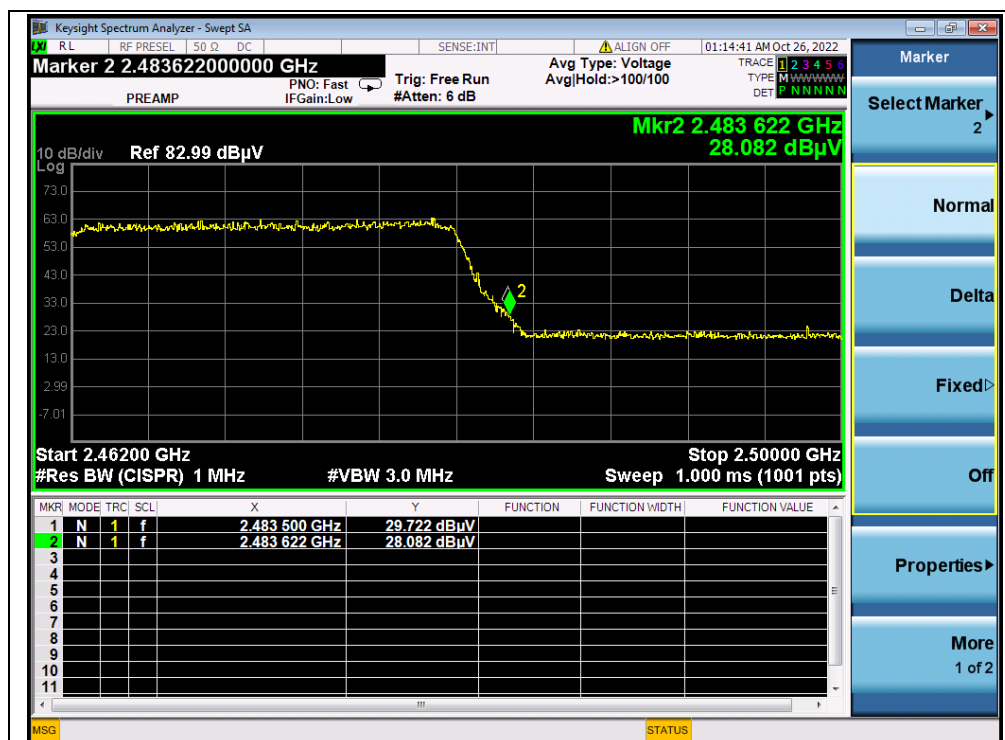
### B. Test Plot:



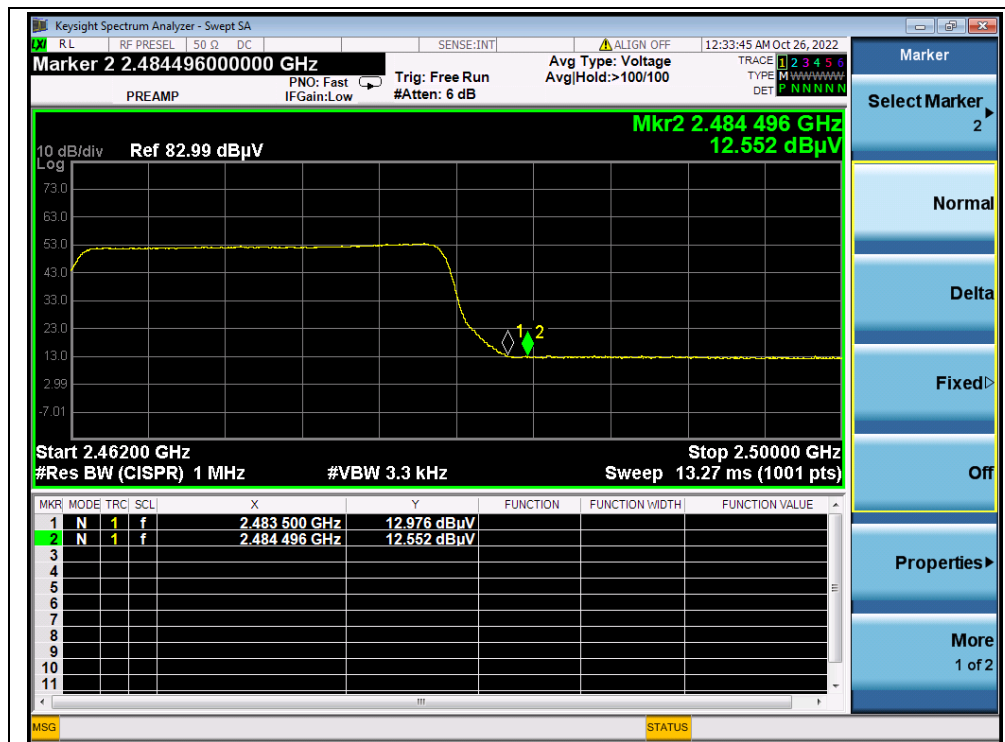
(PEAK, Channel 3, 802.11n (HT40))



(AVERAGE, Channel 3, 802.11n (HT40))



(PEAK, Channel 11, 802.11n (HT40))



(AVERAGE, Channel 11, 802.11n (HT40))

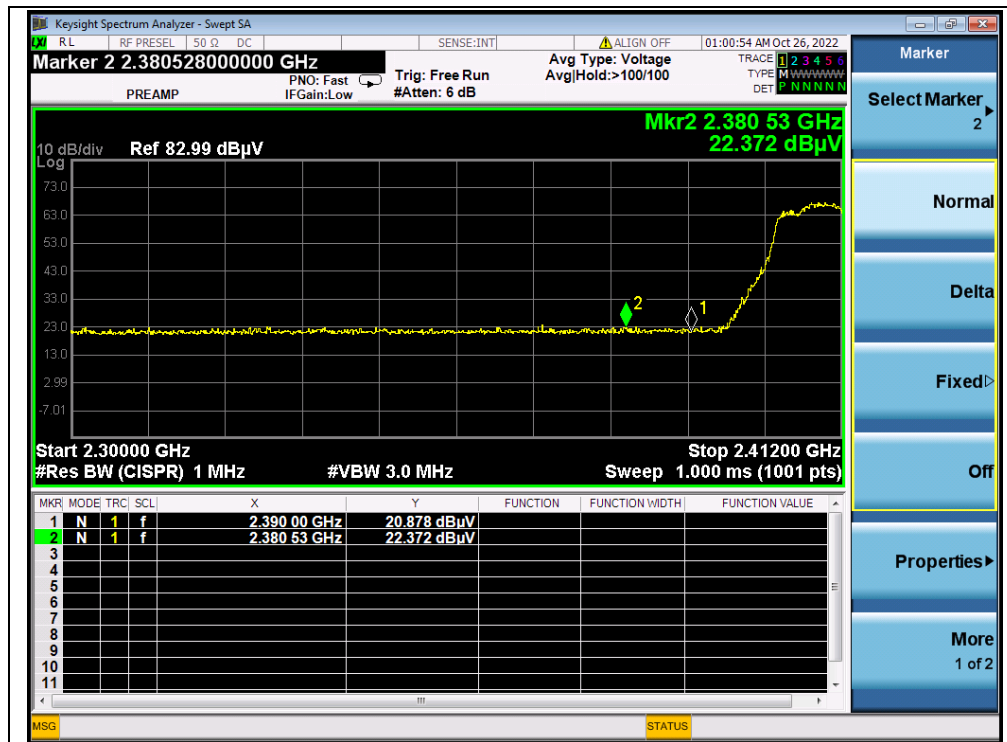


## 802.11ax (HEW20) Mode

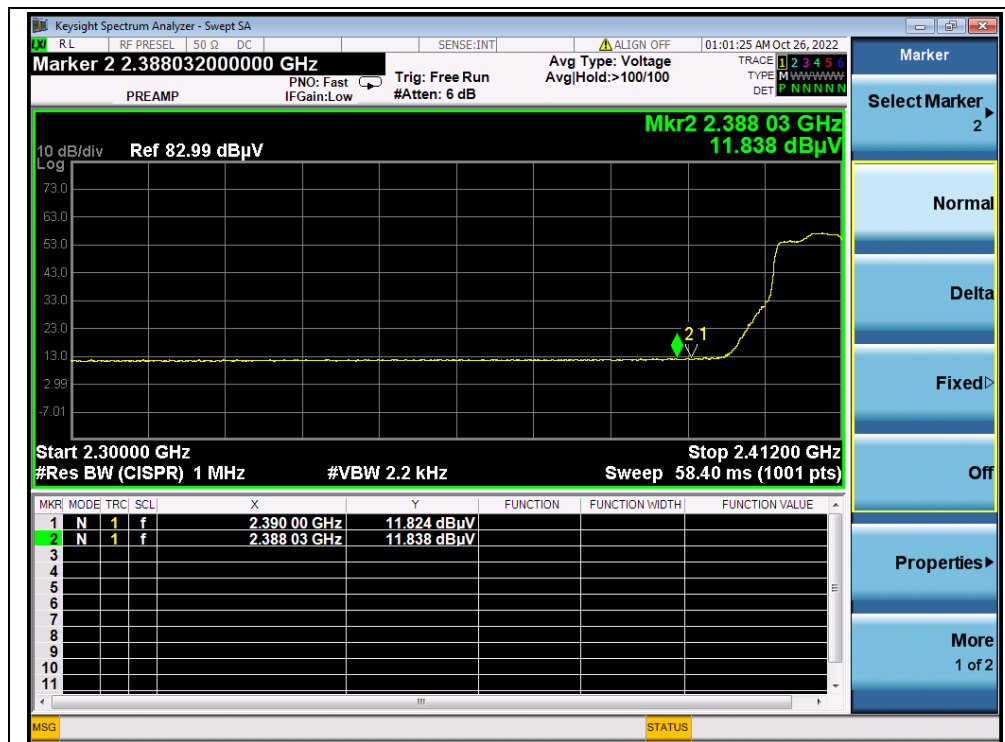
### A.Test Verdict:

| Channel | Frequency (MHz) | Detector | Receiver Reading $U_R$ (dBμV) | $A_T$ (dB) | $A_{Factor}$ (dB@3m) | Max. Emission E (dBμV/m) | Limit (dBμV/m) | Verdict |
|---------|-----------------|----------|-------------------------------|------------|----------------------|--------------------------|----------------|---------|
|         |                 | PK/ AV   |                               |            |                      |                          |                |         |
| 1       | 2380.53         | PK       | 22.37                         | 6.74       | 27.20                | 56.31                    | 74             | PASS    |
| 1       | 2388.03         | AV       | 11.84                         | 6.74       | 27.20                | 45.78                    | 54             | PASS    |
| 13      | 2483.50         | PK       | 30.73                         | 6.74       | 27.20                | 64.67                    | 74             | PASS    |
| 13      | 2483.50         | AV       | 12.70                         | 6.74       | 27.20                | 46.64                    | 54             | PASS    |

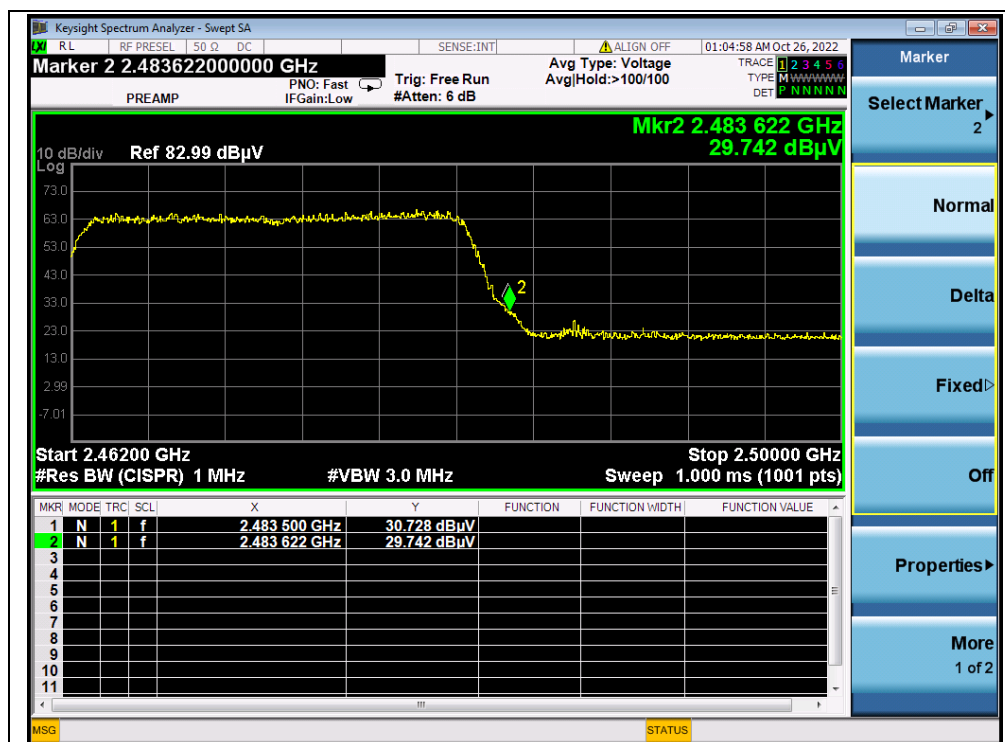
### B.Test Plot:



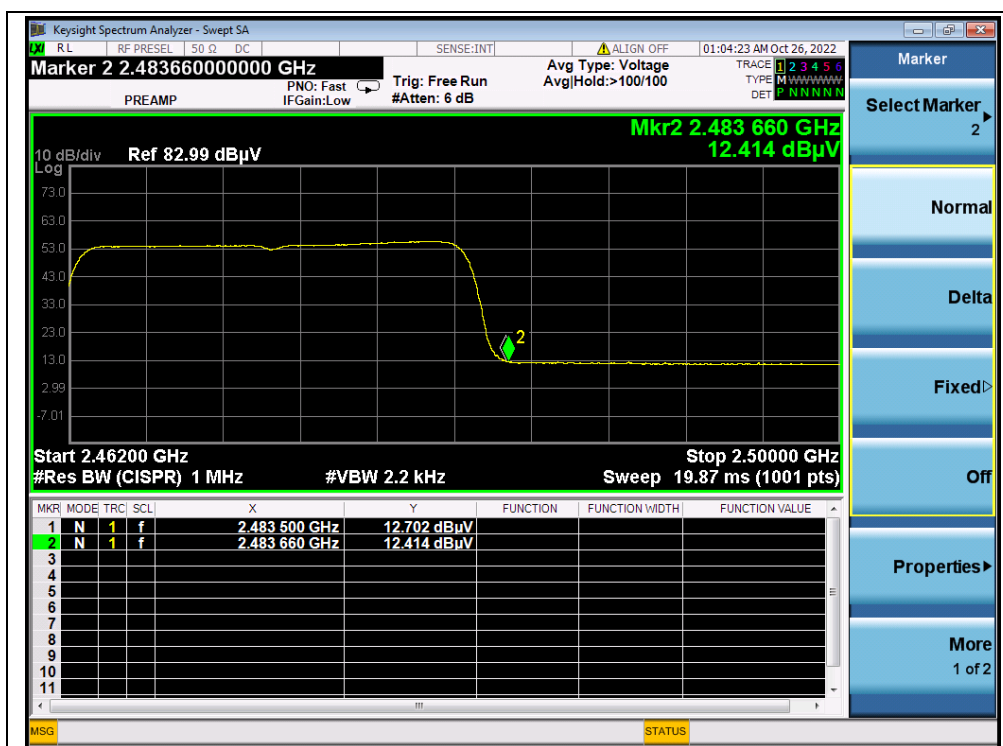
(PEAK, Channel 1, 802.11ax (HEW20))



(AVERAGE, Channel 1, 802.11ax (HEW20))



(PEAK, Channel 13, 802.11ax (HEW20))



(AVERAGE, Channel 13, 802.11ax (HEW20))

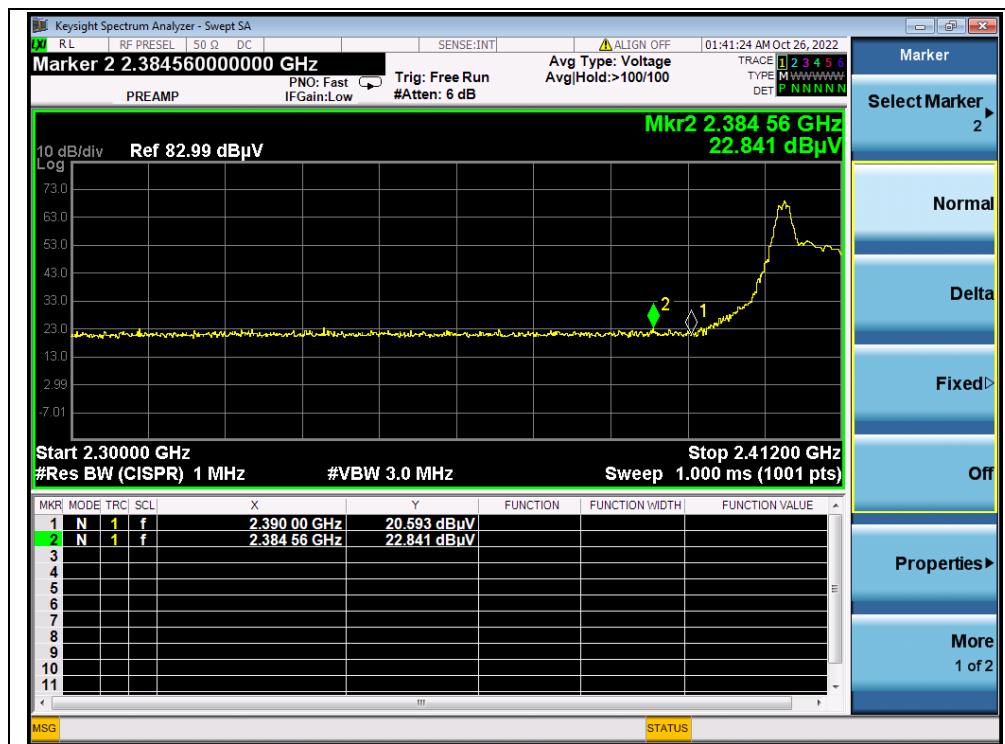


## 802.11ax (HEW20) RU26 Mode

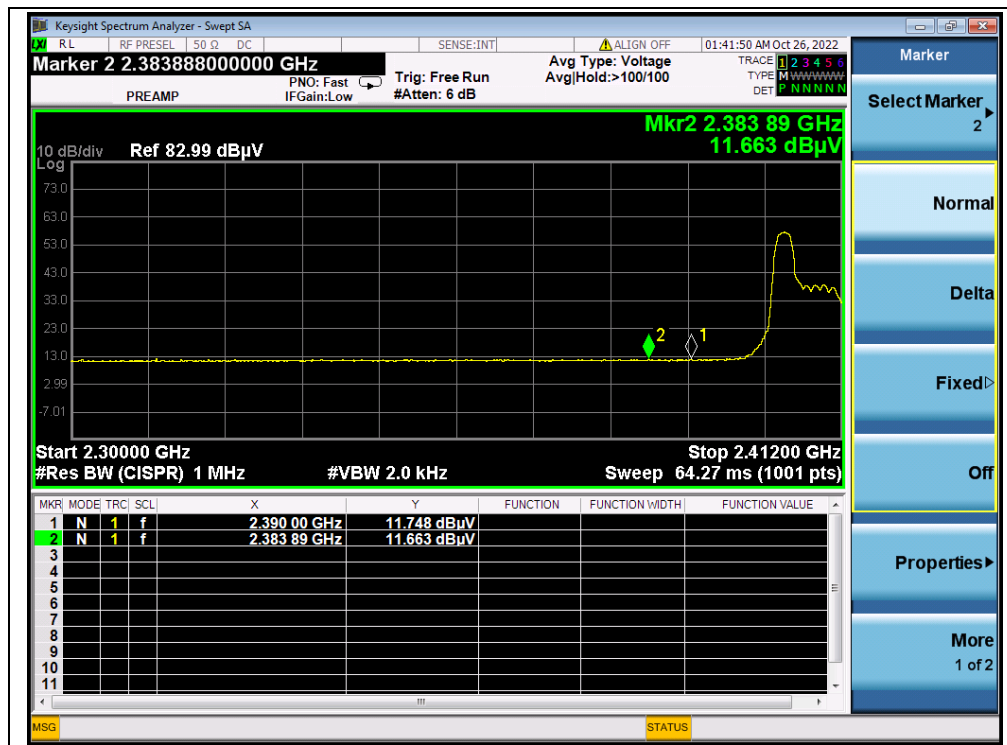
### A.Test Verdict:

| Channel | Frequency (MHz) | Detector | Receiver Reading $U_R$ (dB $\mu$ V) | $A_T$ (dB) | $A_{Factor}$ (dB@3m) | Max. Emission E (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Verdict |
|---------|-----------------|----------|-------------------------------------|------------|----------------------|--------------------------------|----------------------|---------|
|         |                 | PK/ AV   |                                     |            |                      |                                |                      |         |
| 1       | 2384.56         | PK       | 22.84                               | 6.74       | 27.20                | 56.78                          | 74                   | PASS    |
| 1       | 2390.00         | AV       | 11.75                               | 6.74       | 27.20                | 45.69                          | 54                   | PASS    |
| 13      | 2383.81         | PK       | 28.29                               | 6.74       | 27.20                | 62.23                          | 74                   | PASS    |
| 13      | 2483.50         | AV       | 11.97                               | 6.74       | 27.20                | 45.91                          | 54                   | PASS    |

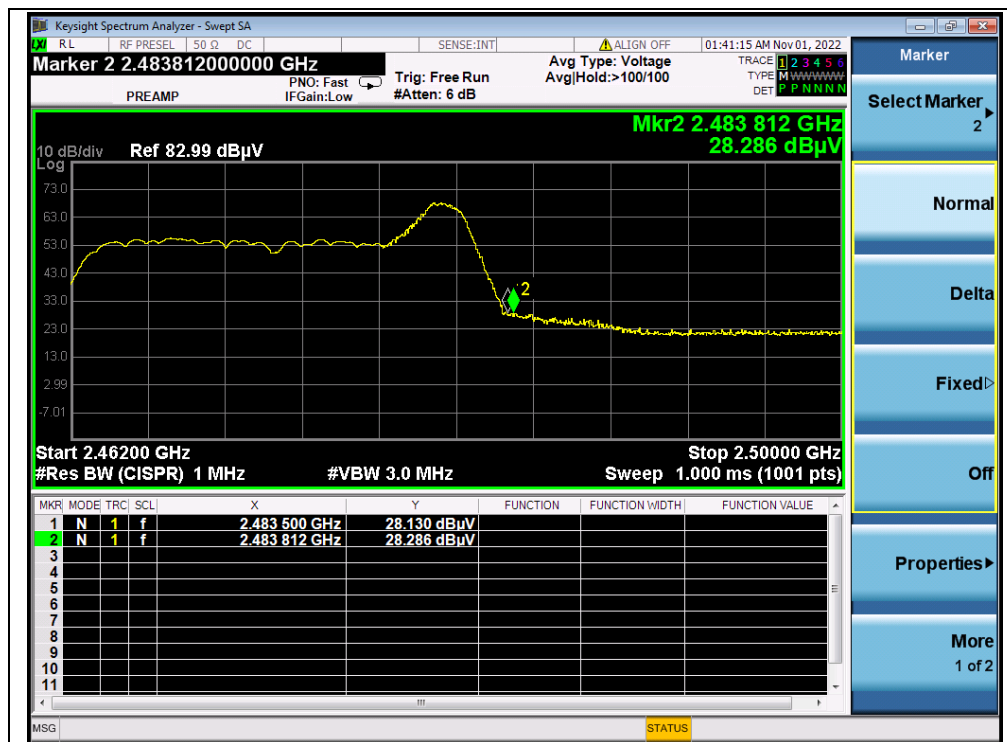
### B.Test Plot:



(PEAK, Channel 1, 802.11ax (HEW20) RU26)



(AVERAGE, Channel 1, 802.11ax (HEW20) RU26)



(PEAK, Channel 13, 802.11ax (HEW20) RU26)



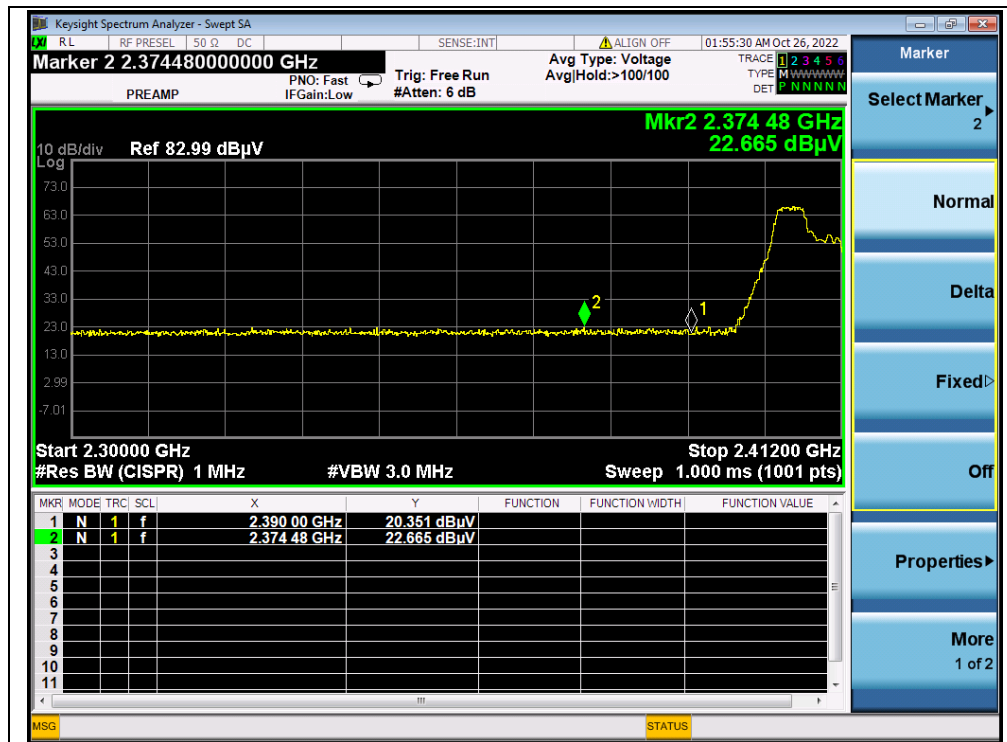


802.11ax (HEW20) RU52 Mode

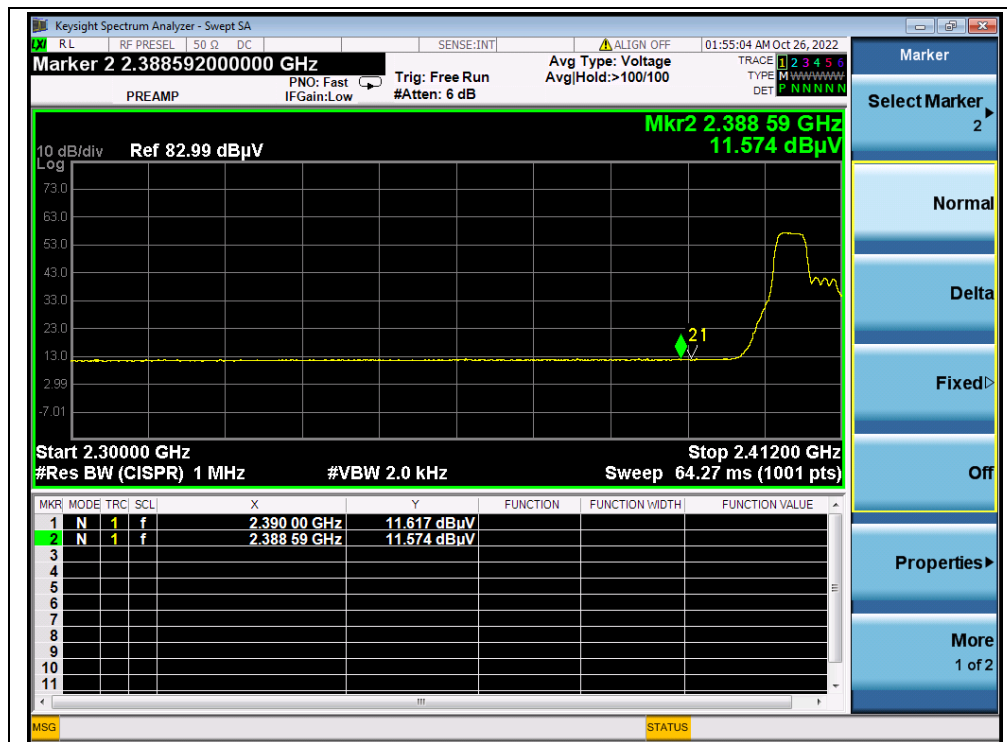
A.Test Verdict:

| Channel | Frequency (MHz) | Detector | Receiver Reading $U_R$ (dBμV) | $A_T$ (dB) | $A_{Factor}$ (dB@3m) | Max. Emission E (dBμV/m) | Limit (dBμV/m) | Verdict |
|---------|-----------------|----------|-------------------------------|------------|----------------------|--------------------------|----------------|---------|
|         |                 | PK/ AV   |                               |            |                      |                          |                |         |
| 1       | 2374.48         | PK       | 22.67                         | 6.74       | 27.20                | 56.61                    | 74             | PASS    |
| 1       | 2390.00         | AV       | 11.62                         | 6.74       | 27.20                | 45.56                    | 54             | PASS    |
| 13.     | 2486.62         | PK       | 26.80                         | 6.74       | 27.20                | 60.74                    | 74             | PASS    |
| 13      | 2483.50         | AV       | 12.90                         | 6.74       | 27.20                | 46.84                    | 54             | PASS    |

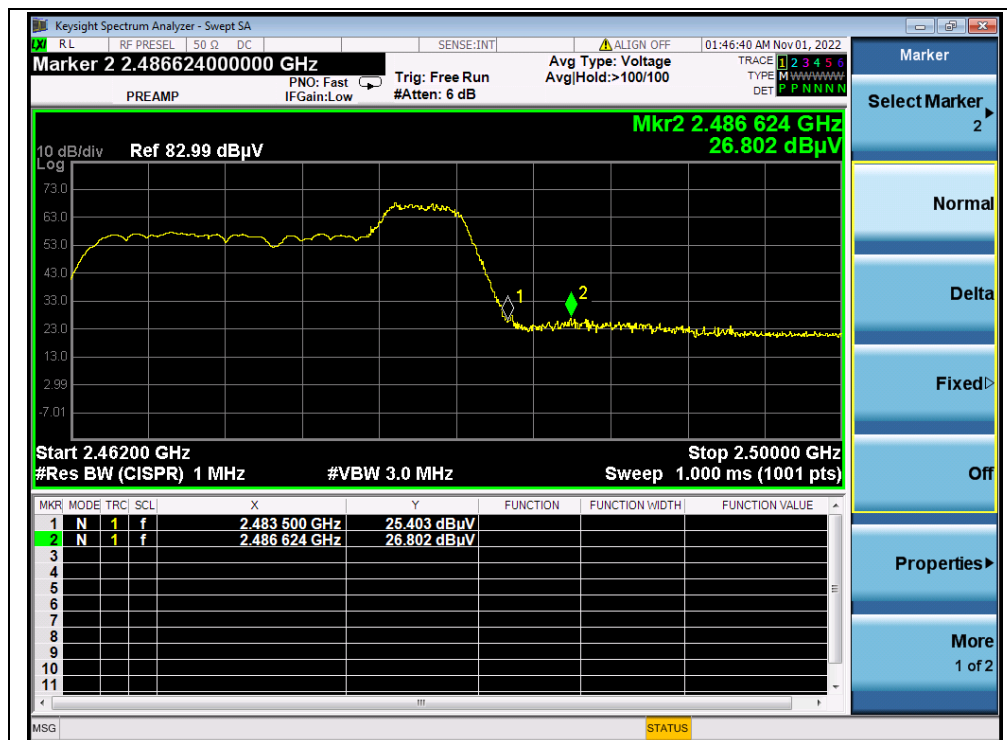
B.Test Plot:



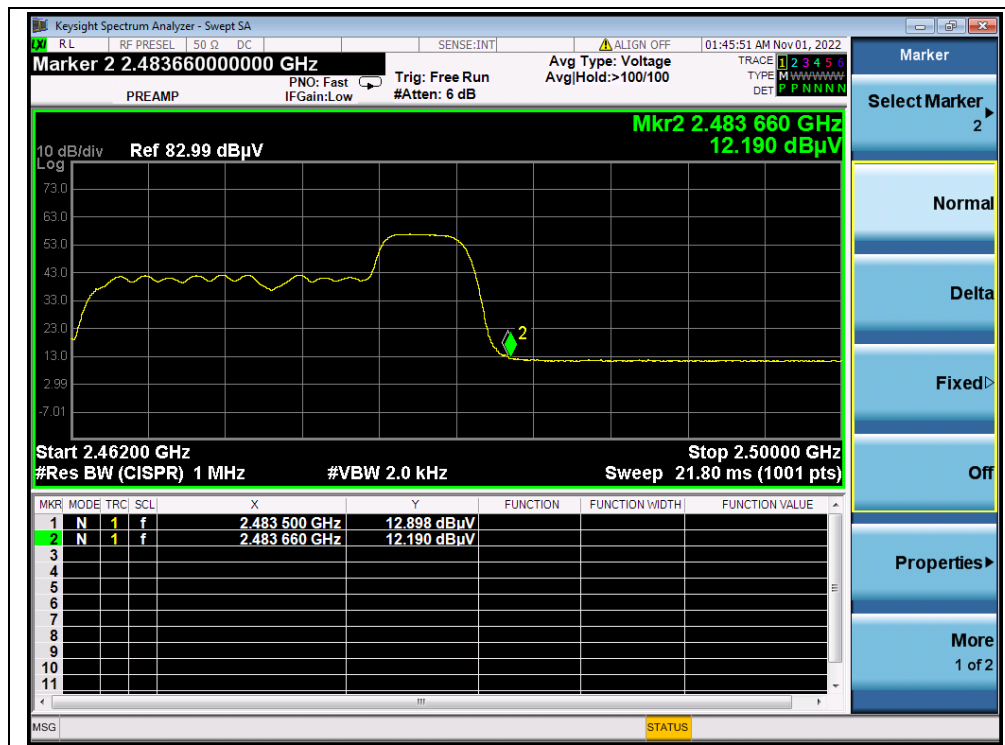
(PEAK, Channel 1, 802.11ax (HEW20) RU52)



(AVERAGE, Channel 1, 802.11ax (HEW20) RU52)



(PEAK, Channel 13, 802.11ax (HEW20) RU52)



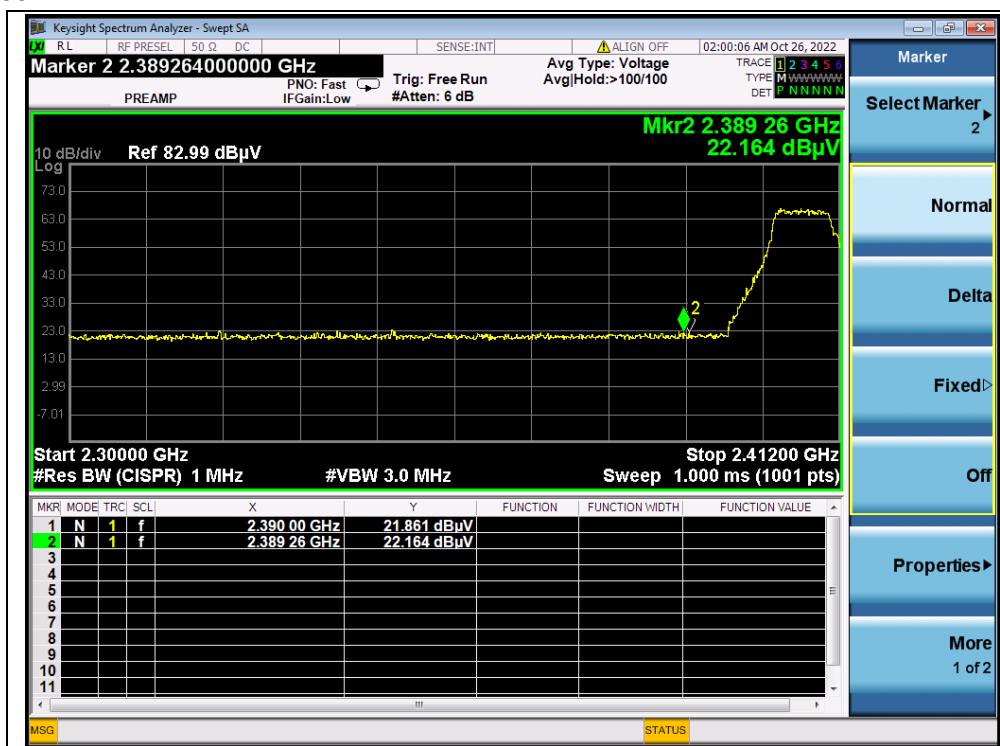
(AVERAGE, Channel 13, 802.11ax (HEW20) RU52)



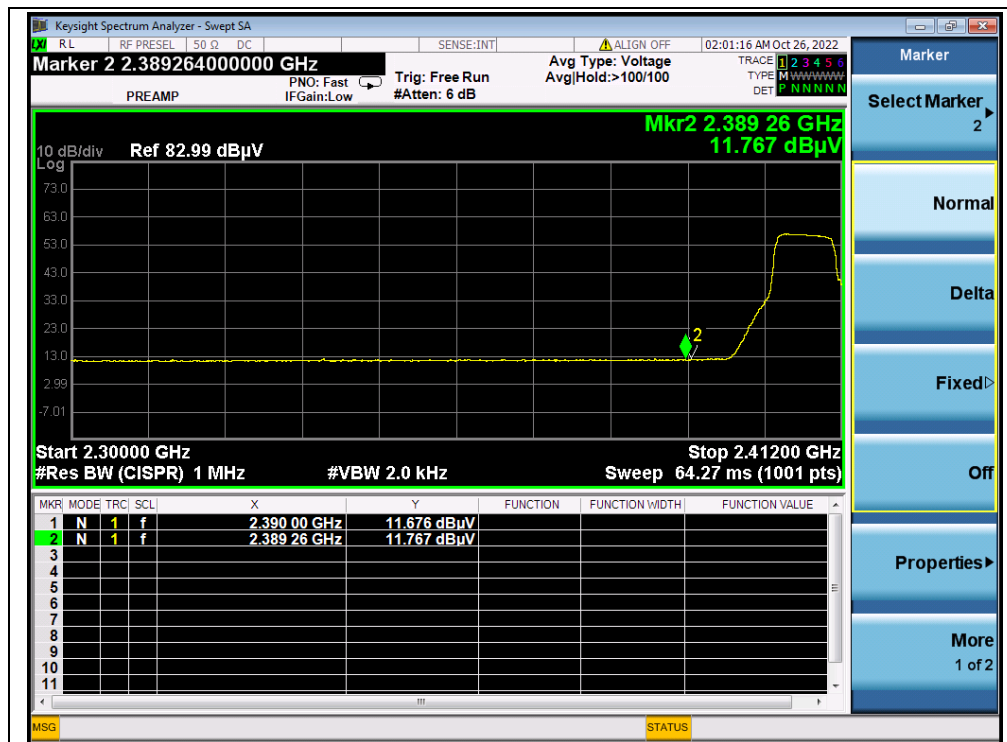
### A.Test Verdict:

| Channel | Frequency<br>(MHz) | Detector | Receiver<br>Reading<br>U <sub>R</sub><br>(dBμV) | A <sub>T</sub><br>(dB) | A <sub>Factor</sub><br>(dB@3m) | Max.<br>Emission<br>E<br>(dBμV/m) | Limit<br>(dBμV/m) | Verdict |
|---------|--------------------|----------|-------------------------------------------------|------------------------|--------------------------------|-----------------------------------|-------------------|---------|
|         |                    | PK/ AV   |                                                 |                        |                                |                                   |                   |         |
| 1       | 2389.26            | PK       | 22.16                                           | 6.74                   | 27.20                          | 56.10                             | 74                | PASS    |
| 1       | 2389.26            | AV       | 11.77                                           | 6.74                   | 27.20                          | 45.71                             | 54                | PASS    |
| 13      | 2484.57            | PK       | 28.65                                           | 6.74                   | 27.20                          | 62.59                             | 74                | PASS    |
| 13      | 2483.50            | AV       | 13.74                                           | 6.74                   | 27.20                          | 47.68                             | 54                | PASS    |

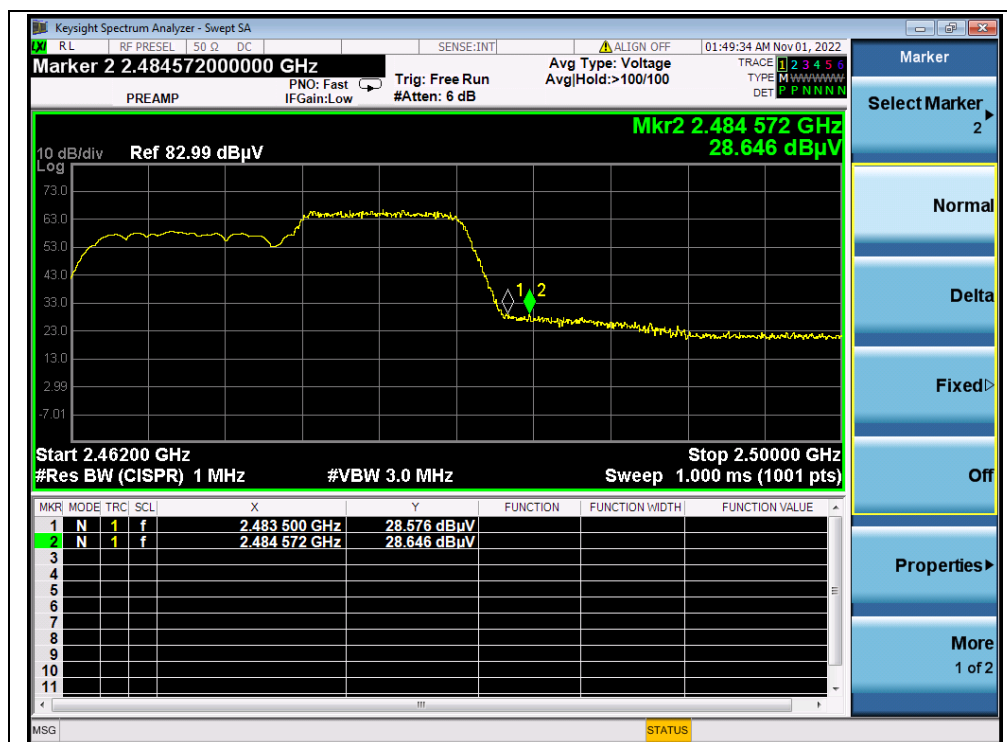
**B.Test Plot:**



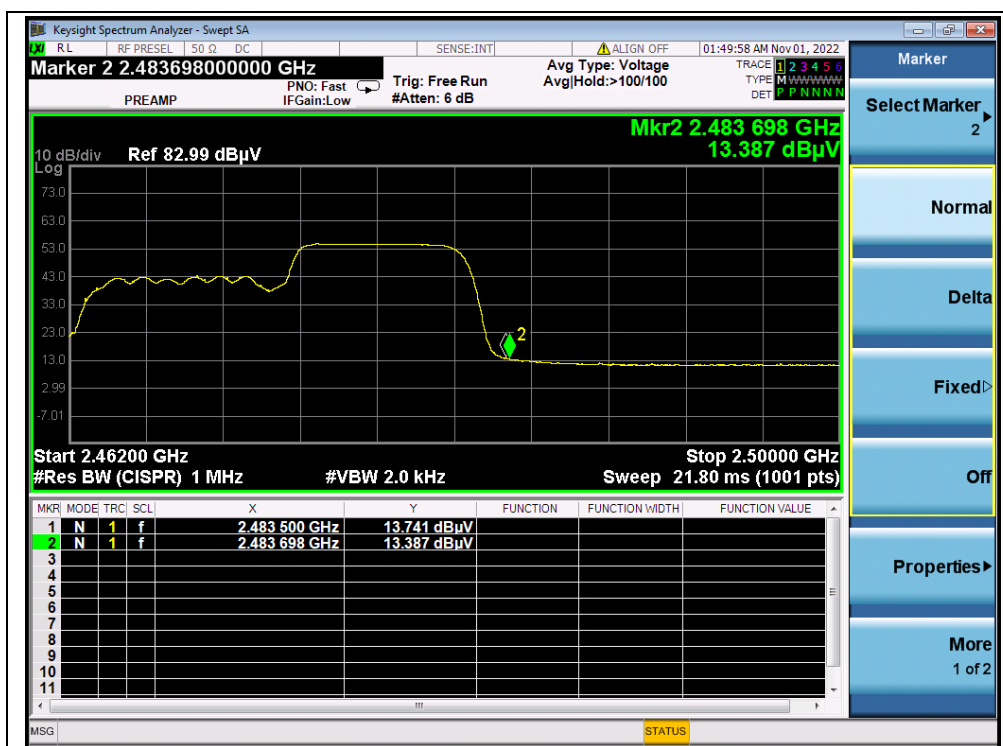
(PEAK, Channel 1, 802.11ax (HEW20) RU106)



(AVERAGE, Channel 1, 802.11ax (HEW20) RU106)



(PEAK, Channel 13, 802.11ax (HEW20) RU106)



(AVERAGE, Channel 13, 802.11ax (HEW20) RU106)

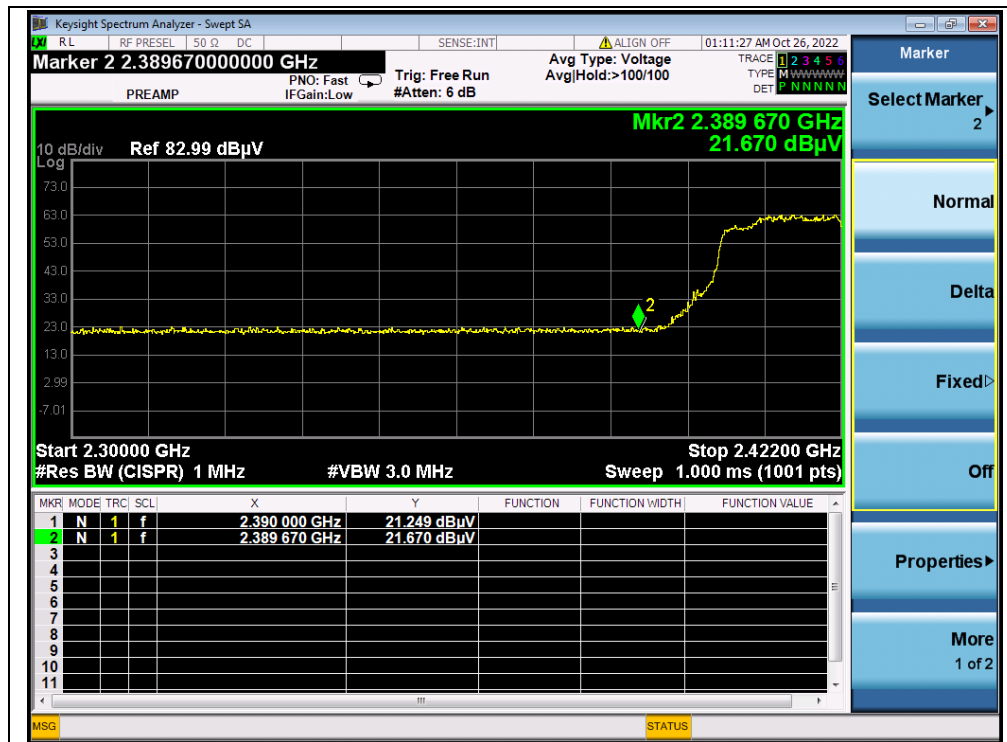


## 802.11ax (HEW40) Mode

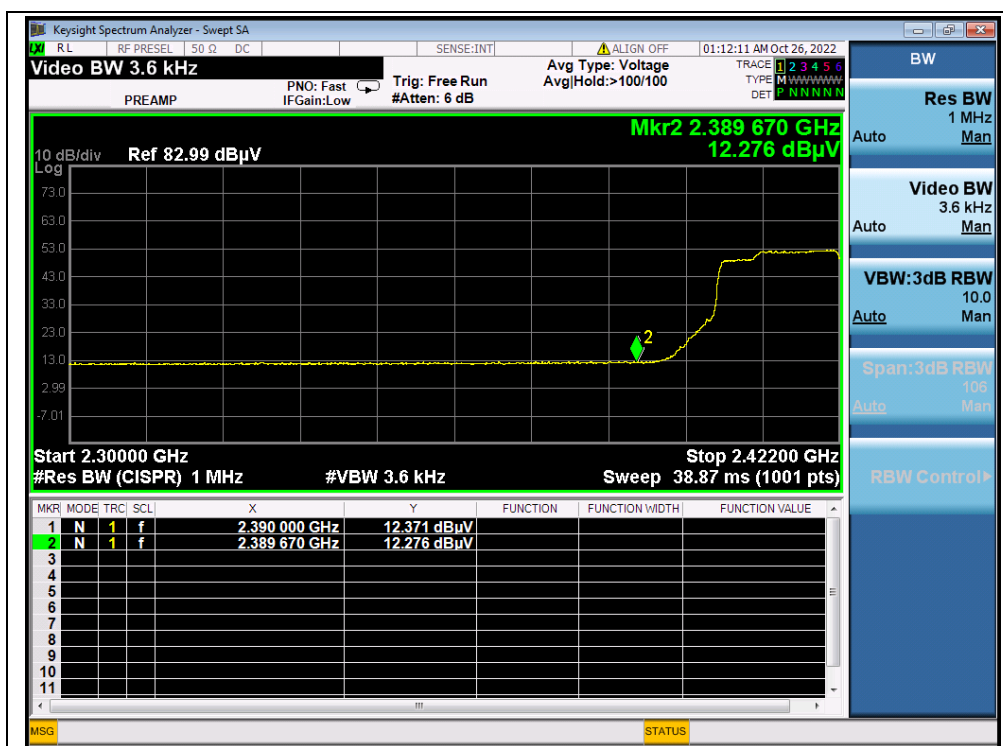
### A.Test Verdict:

| Channel | Frequency (MHz) | Detector | Receiver Reading $U_R$ (dB $\mu$ V) | $A_T$ (dB) | $A_{Factor}$ (dB@3m) | Max. Emission E (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Verdict |
|---------|-----------------|----------|-------------------------------------|------------|----------------------|--------------------------------|----------------------|---------|
|         |                 | PK/ AV   |                                     |            |                      |                                |                      |         |
| 3       | 2389.67         | PK       | 21.67                               | 6.74       | 27.20                | 55.61                          | 74                   | PASS    |
| 3       | 2390.00         | AV       | 12.37                               | 6.74       | 27.20                | 46.31                          | 54                   | PASS    |
| 11      | 2483.50         | PK       | 29.72                               | 6.74       | 27.20                | 63.66                          | 74                   | PASS    |
| 11      | 2483.50         | AV       | 13.00                               | 6.74       | 27.20                | 46.94                          | 54                   | PASS    |

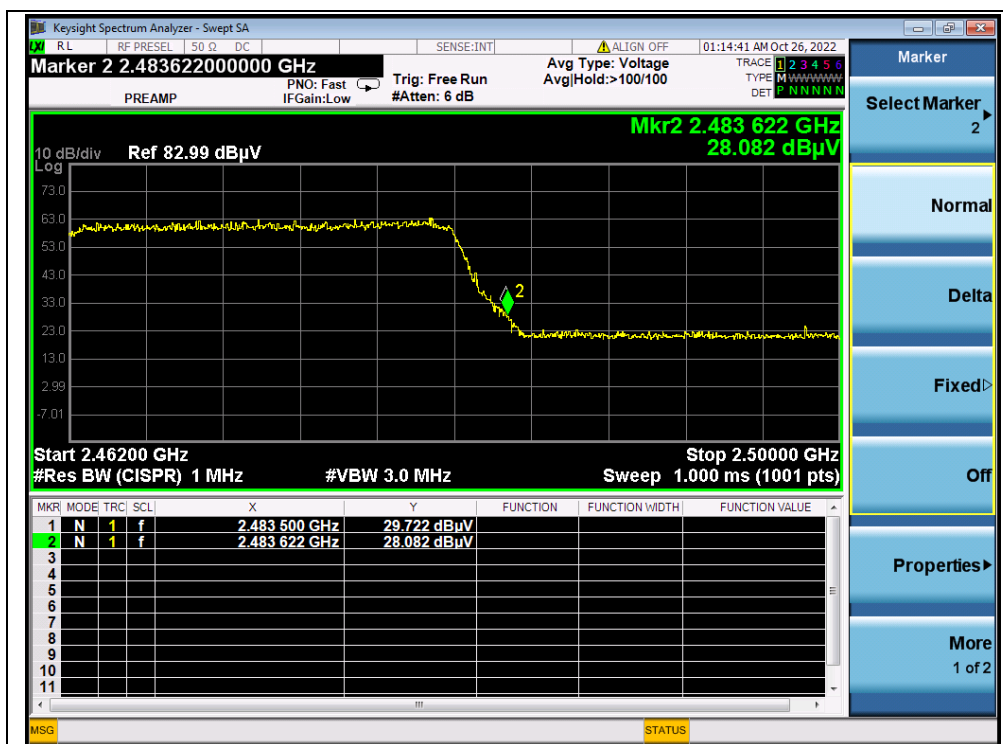
### B.Test Plot:



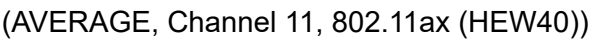
(PEAK, Channel 3, 802.11ax (HEW40))



(AVERAGE, Channel 3, 802.11ax (HEW40))



(PEAK, Channel 11, 802.11ax (HEW40))



## 2.9. Radiated Emission

### 2.9.1. Requirement

According to FCC section 15.247(d), radiated emission outside the frequency band attenuation below the general limits specified in FCC section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in FCC section 15.205(a), must also comply with the radiated emission limits specified in FCC section 15.209(a).

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength ( $\mu\text{V/m}$ ) | Measurement Distance (m) |
|-----------------|------------------------------------|--------------------------|
| 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                        |

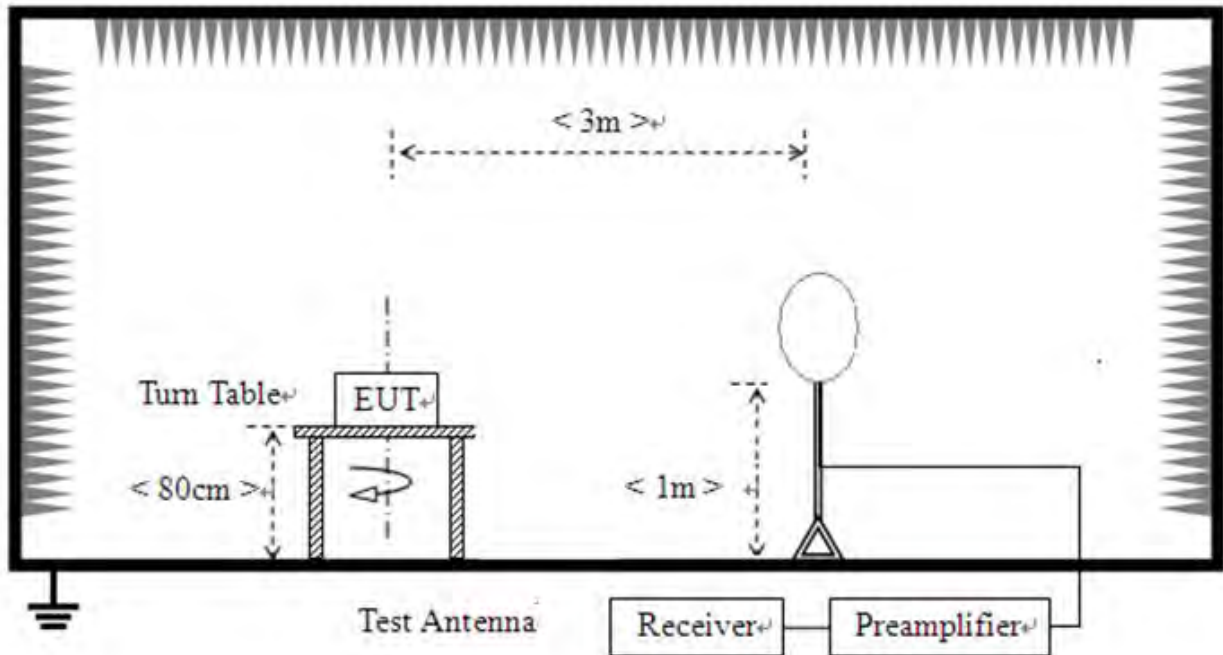
**Note1:** For above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

**Note2:** For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK). In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).

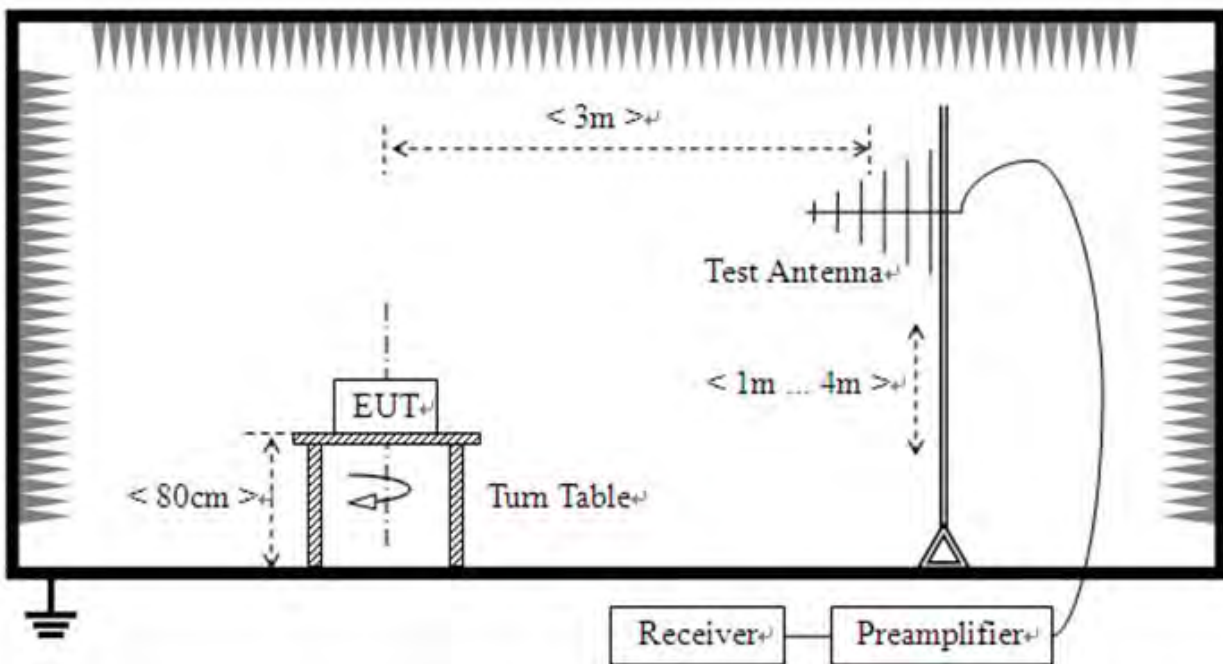
## 2.9.2. Test Description

### Test Setup:

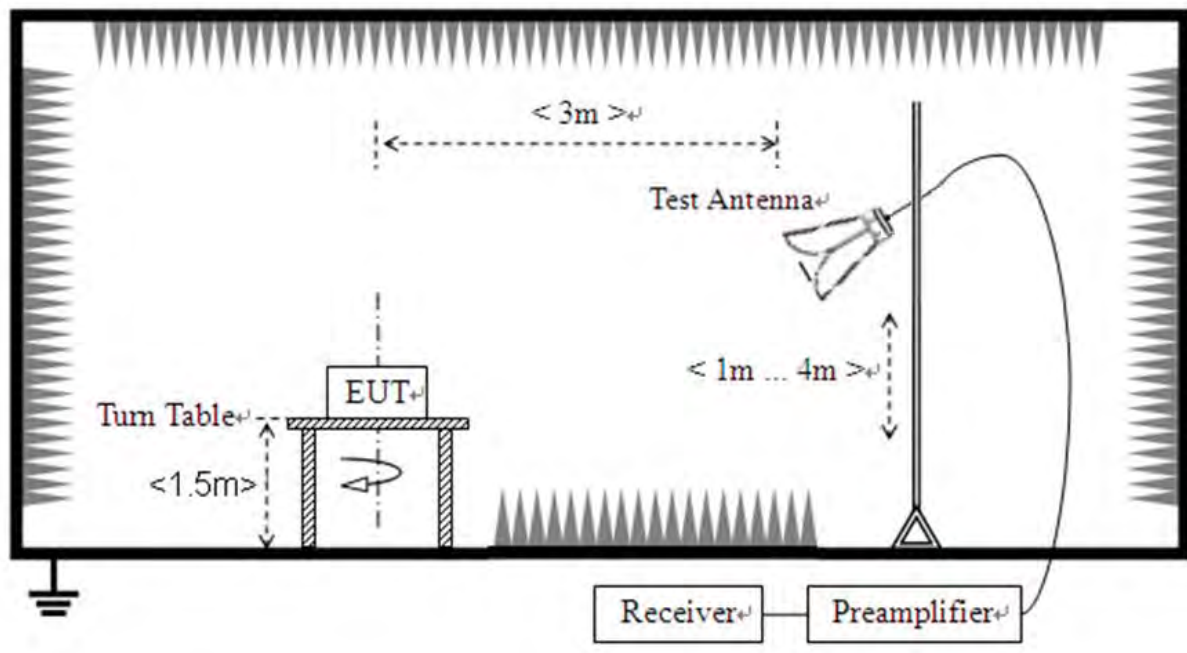
- 1) For radiated emissions from 9kHz to 30MHz



- 2) For radiated emissions from 30MHz to 1GHz



### 3) For radiated emissions above 1GHz



The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz. The antenna to EUT distance is 3meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9kHz-90 kHz, 110kHz-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements and as applicable for average measurements.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions.



### 2.9.3. Test Result

According to ANSI C63.10, because of peak detection will yield amplitudes equal to or greater than amplitudes measured with the quasi-peak (or average) detector, the measurement data from a spectrum analyzer peak detector will represent the worst-case results, if the peak measured value complies with the quasi-peak (or average) limit, it is unnecessary to perform an quasi-peak measurement (or average).

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V}/\text{m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

$A_T$ : Total correction Factor except Antenna

$U_R$ : Receiver Reading

$G_{\text{preamp}}$ : Preamplifier Gain

$A_{\text{Factor}}$ : Antenna Factor at 3m

During the test, the total correction Factor  $A_T$  and  $A_{\text{Factor}}$  were built in test software.

**Note1:** All radiated emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

**Note2:** For the frequency, which started from 9kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

**Note3:** For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.



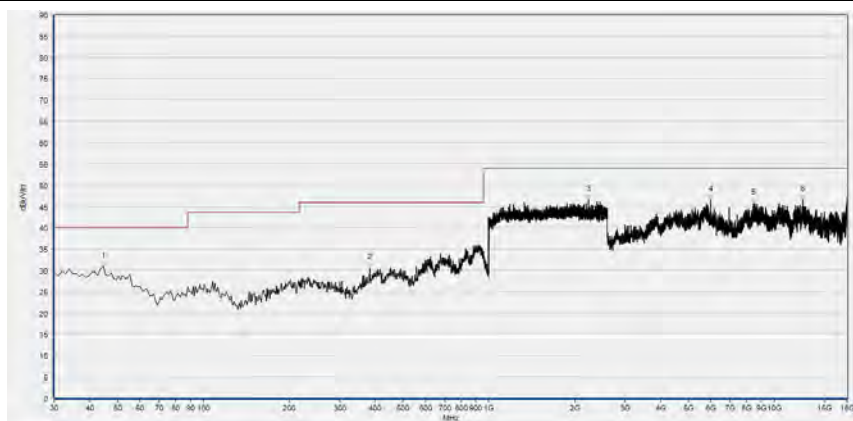
**802.11b Mode**

## Plot for Channel 1



| Fre. (MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna    | Verdict |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|------------|---------|
| 96.930     | 31.27          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Horizontal | PASS    |
| 557.680    | 34.01          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 1999.467   | 49.06          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 5245.720   | 50.15          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 8445.840   | 46.97          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 12215.760  | 48.66          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |

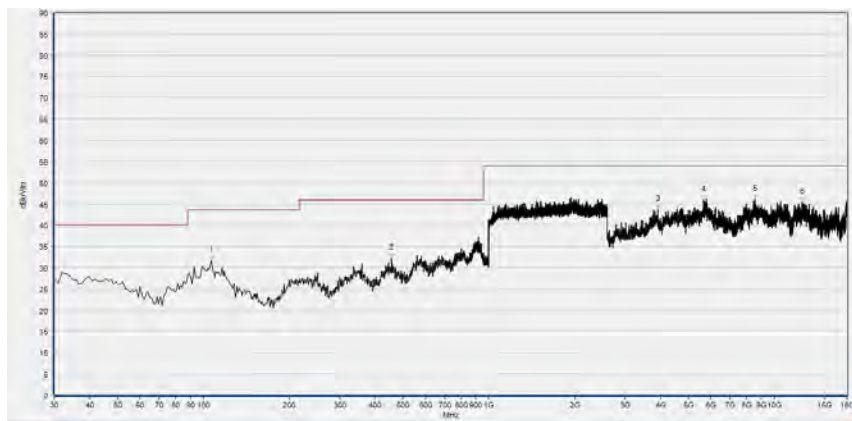
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna  | Verdict |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|----------|---------|
| 44.550     | 30.79          | N/A            | N/A            | N/A                  | 40.00                | N/A                  | Vertical | PASS    |
| 383.080    | 30.44          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 2239.467   | 46.63          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 6000.320   | 46.61          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 8445.840   | 45.82          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 12573.040  | 46.52          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |

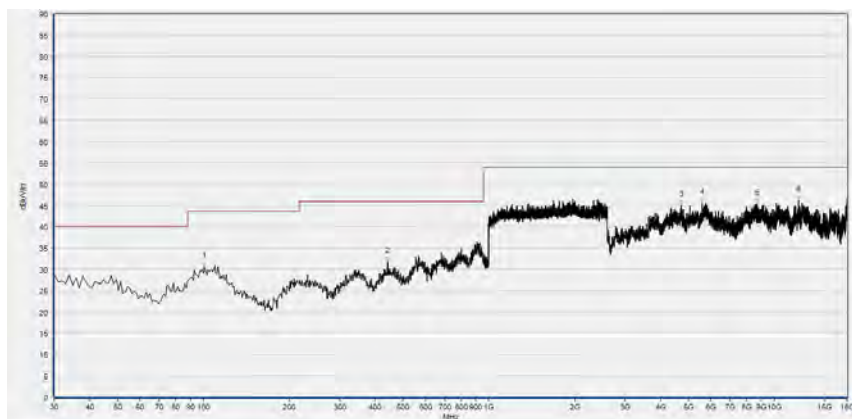
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 106.630    | 31.62       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 455.830    | 32.13       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 3909.000   | 43.67       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5661.520   | 45.85       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8575.200   | 46.04       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12517.600  | 45.40       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

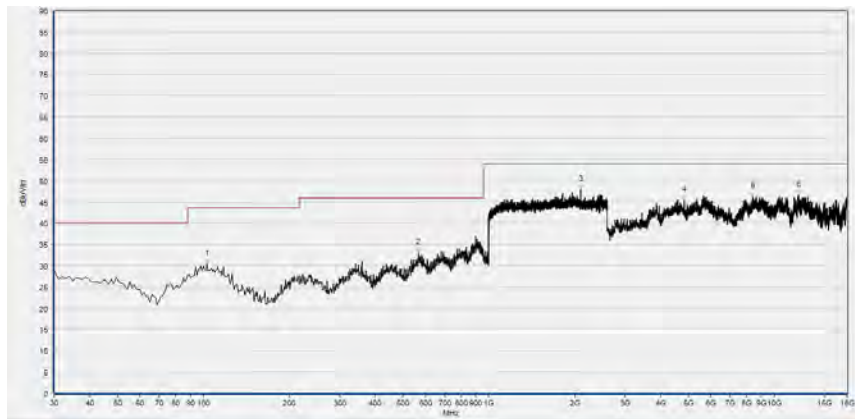
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 100.810    | 30.70       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 443.220    | 31.82       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 4725.200   | 45.12       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 5590.680   | 45.62       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8713.800   | 45.41       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12184.960  | 46.22       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

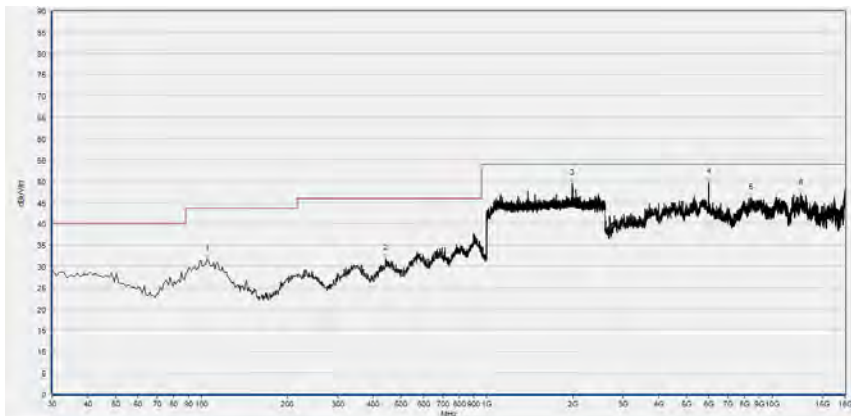
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 102.750    | 30.33       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 566.410    | 33.09       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2099.733   | 48.01       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 4836.080   | 45.36       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8430.440   | 46.31       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12181.880  | 46.67       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

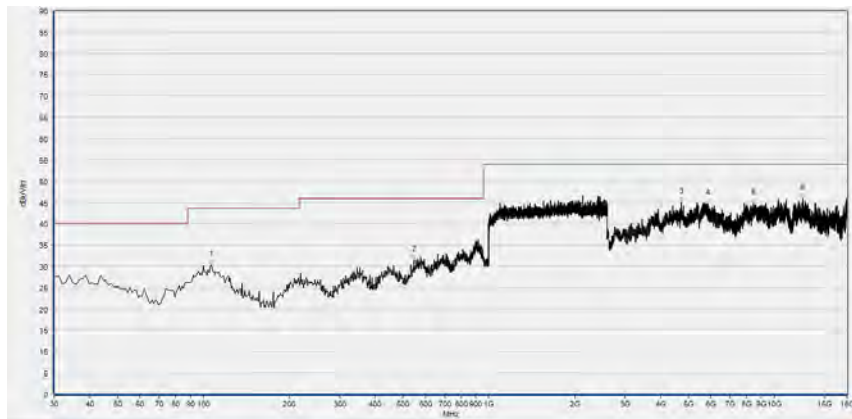


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 104.690    | 31.63       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 441.280    | 31.80       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1992.533   | 49.45       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 49.70       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8421.200   | 46.02       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12573.040  | 47.03       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

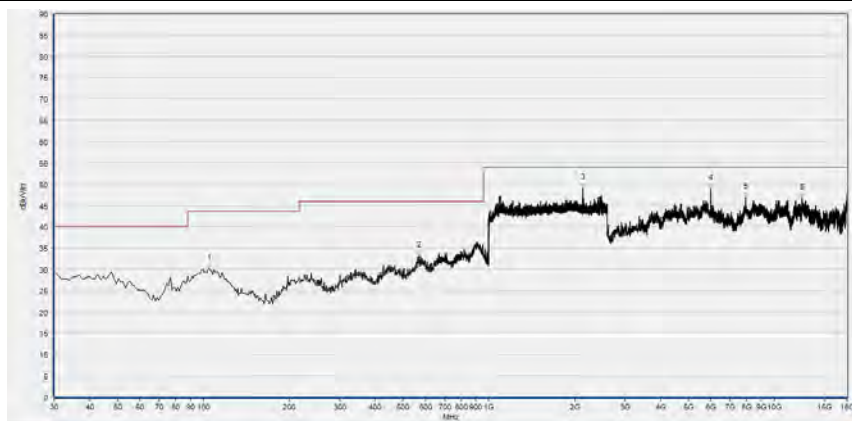
**802.11g Mode**

## Plot for Channel 1



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 106.630    | 30.33       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 547.010    | 31.49       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 4715.960   | 45.13       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5840.160   | 44.82       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8479.720   | 44.83       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12579.200  | 45.85       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

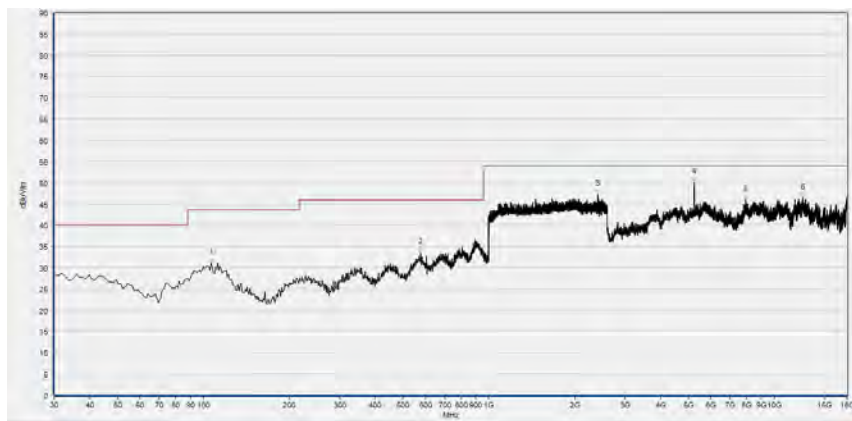
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 104.690    | 30.11       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 569.320    | 33.19       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2132.267   | 49.13       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 49.02       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 7943.800   | 46.86       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12545.320  | 46.76       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

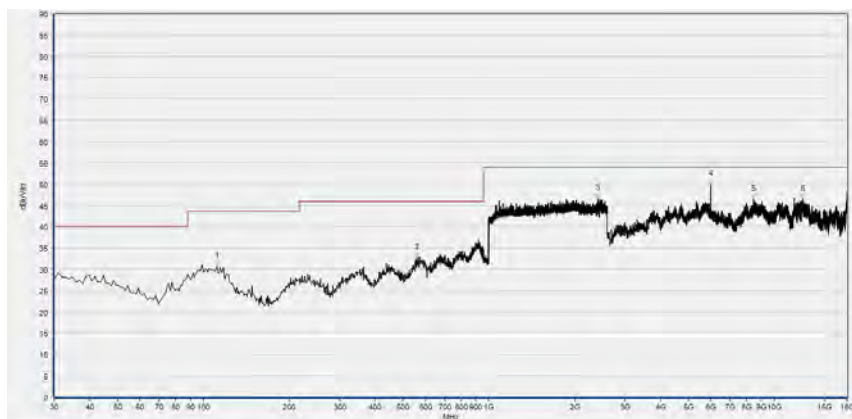
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 106.630    | 30.94       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 577.080    | 33.56       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2414.400   | 47.22       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5242.640   | 50.15       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 7962.280   | 45.90       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12591.520  | 46.38       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 111.480    | 30.64       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 561.560    | 32.60       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2411.733   | 46.57       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 49.89       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8476.640   | 46.50       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12563.800  | 46.37       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

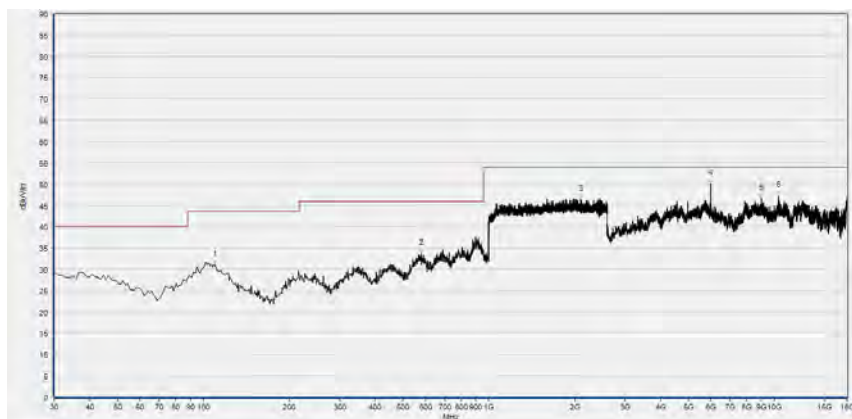
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 102.750    | 31.77       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 449.040    | 32.21       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1997.867   | 50.35       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5319.640   | 47.39       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 6000.320   | 49.54       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8488.960   | 47.15       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

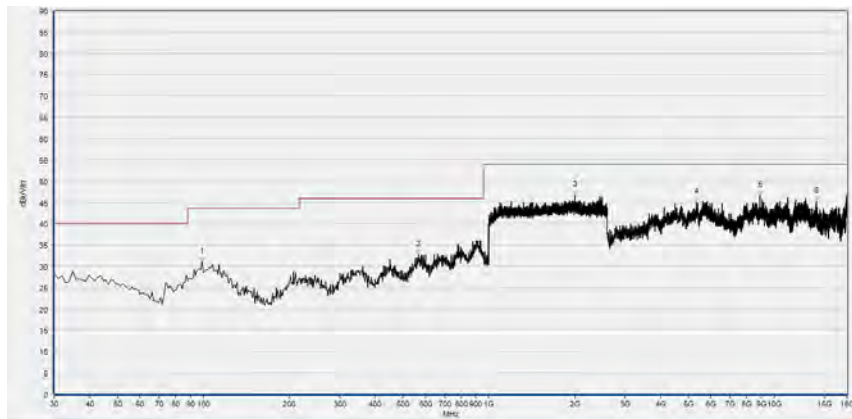


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 109.540    | 31.04       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 579.990    | 33.64       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2100.800   | 46.40       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 50.17       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9031.040   | 46.51       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 10364.680  | 47.20       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

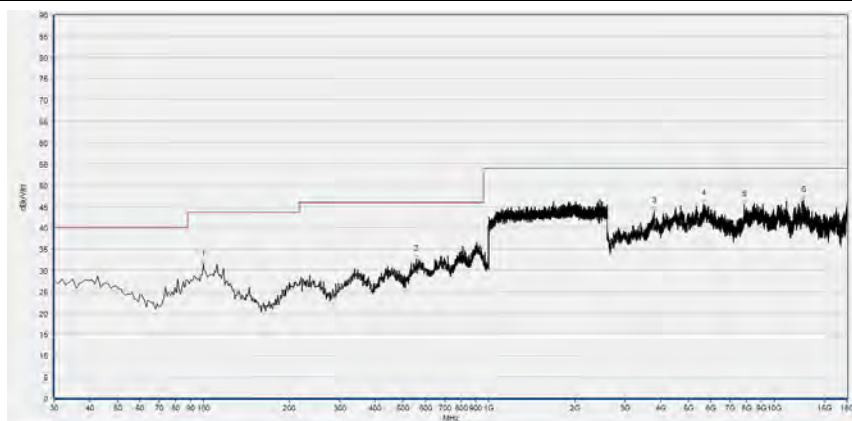
**802.11n (HT20) Mode**

## Plot for Channel 1



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 98.870     | 30.93       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 567.380    | 32.68       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2002.133   | 46.79       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5328.880   | 45.03       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8901.680   | 46.64       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 14079.160  | 45.26       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

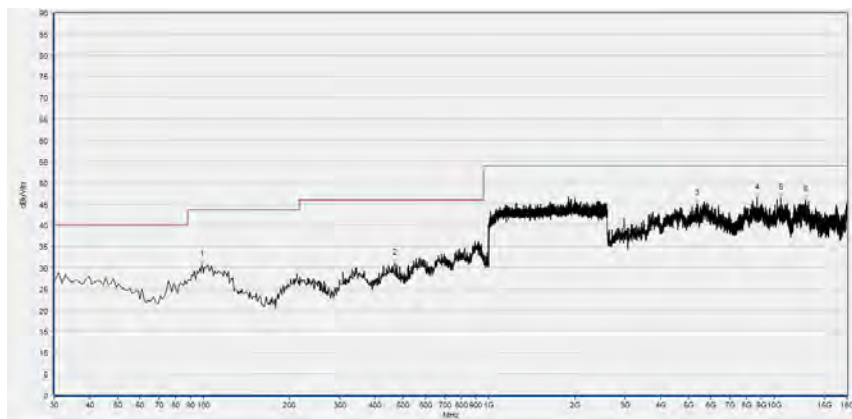
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 99.840     | 31.39       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 557.680    | 32.58       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 3791.960   | 43.87       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 5649.200   | 45.63       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 7857.560   | 45.35       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12680.840  | 46.45       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

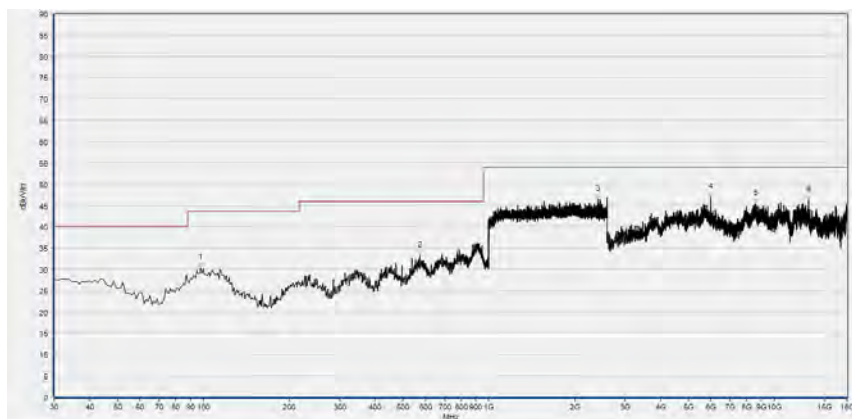
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 98.870     | 30.69       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 469.410    | 31.02       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 5378.160   | 45.01       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8726.120   | 46.36       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 10561.800  | 46.36       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12908.760  | 45.84       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

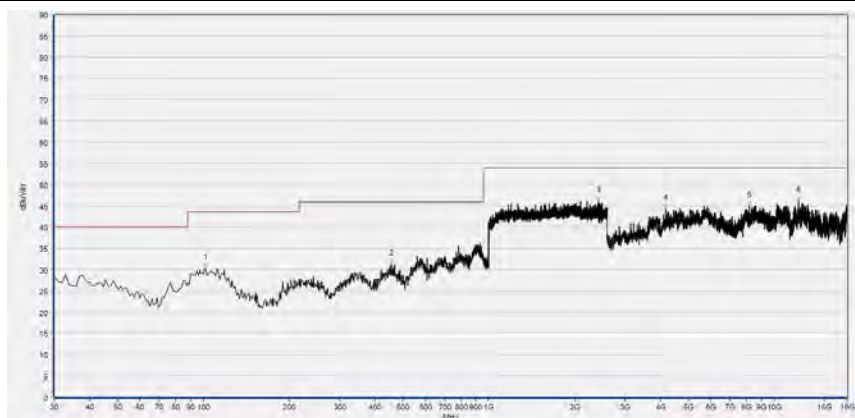
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 97.900     | 30.28       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 572.230    | 33.15       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2408.533   | 46.34       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 46.85       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8615.240   | 45.38       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 13189.040  | 46.22       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

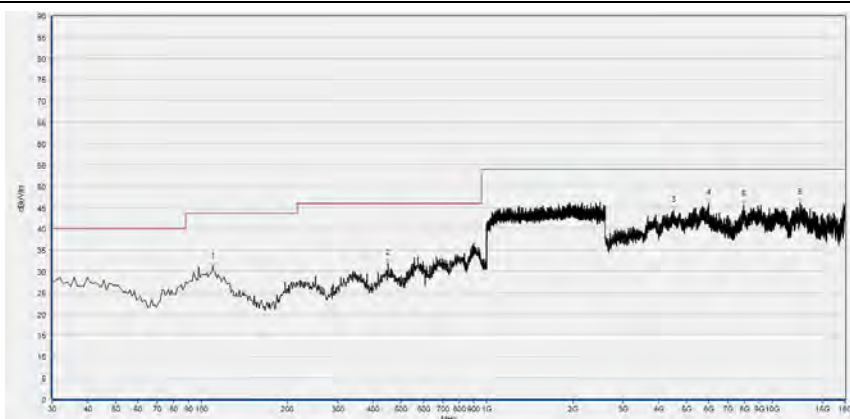
(Antenna Vertical, 30MHz to 18GHz)

## Plot for Channel 13



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 101.780    | 30.35       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 455.830    | 31.32       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2418.133   | 46.30       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 4167.720   | 44.36       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8156.320   | 45.03       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12191.120  | 46.27       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

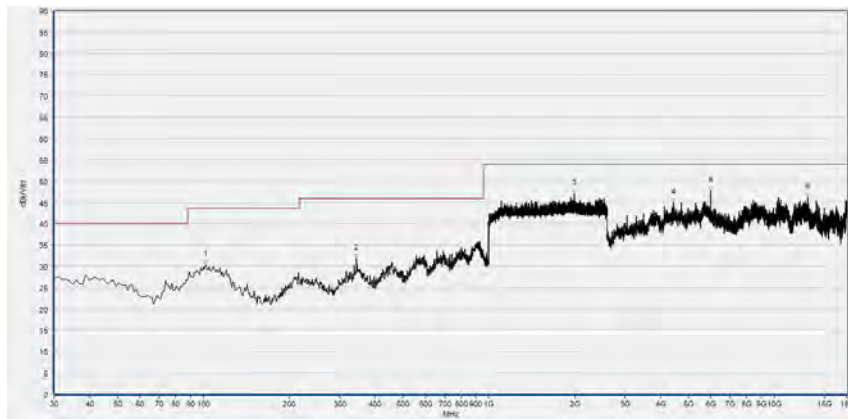


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 109.540    | 31.02       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 450.980    | 31.88       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 4518.840   | 44.27       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 45.85       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 7956.120   | 45.59       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12508.360  | 46.13       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

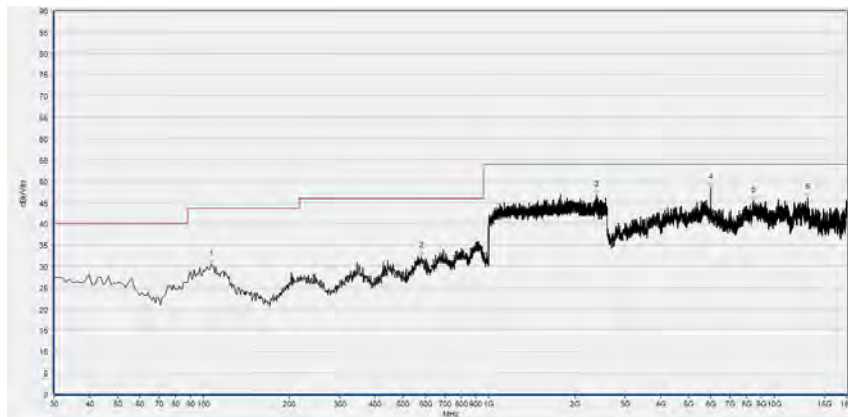
**802.11n (HT40) Mode**

## Plot for Channel 3



| Fre. (MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna    | Verdict |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|------------|---------|
| 101.780    | 30.33          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Horizontal | PASS    |
| 344.280    | 31.78          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 1996.800   | 47.05          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 4435.680   | 44.86          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 6000.320   | 47.76          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 13112.040  | 46.33          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |

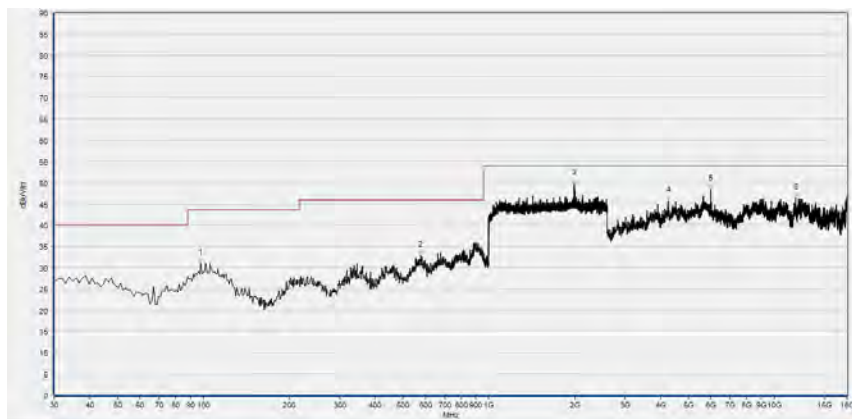
(Antenna Horizontal, 30MHz to 18GHz)



| Fre.<br>(MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna  | Verdict |
|---------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|----------|---------|
| 106.630       | 30.49          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Vertical | PASS    |
| 579.990       | 32.28          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 2381.867      | 46.82          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 6000.320      | 48.42          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 8445.840      | 45.42          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 13090.480     | 46.08          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |

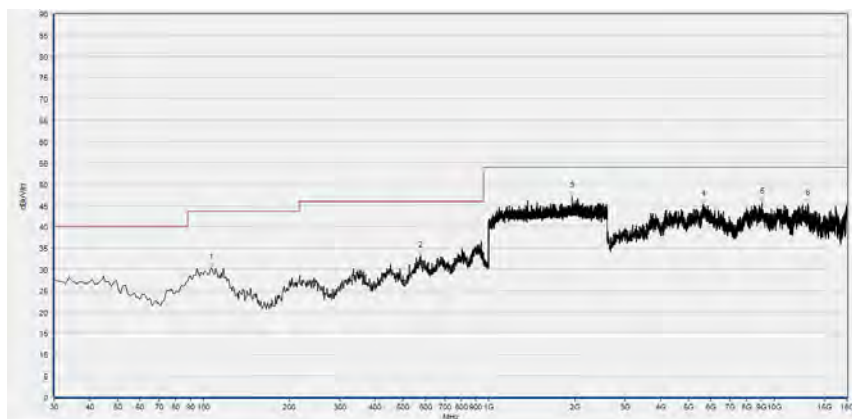
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 97.900     | 30.95       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 578.050    | 32.78       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1994.133   | 49.77       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 4250.880   | 45.70       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 6000.320   | 48.50       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 11867.720  | 46.37       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

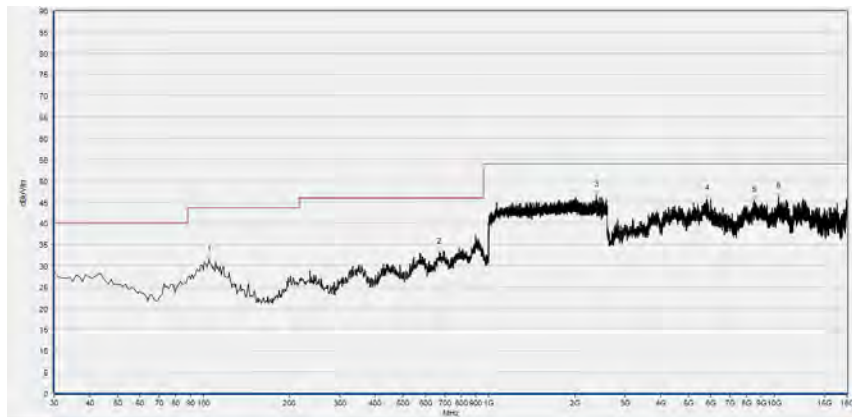
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 106.630    | 30.28       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 578.050    | 33.22       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1955.200   | 47.17       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 5664.600   | 45.27       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9043.360   | 45.69       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 13105.880  | 45.37       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

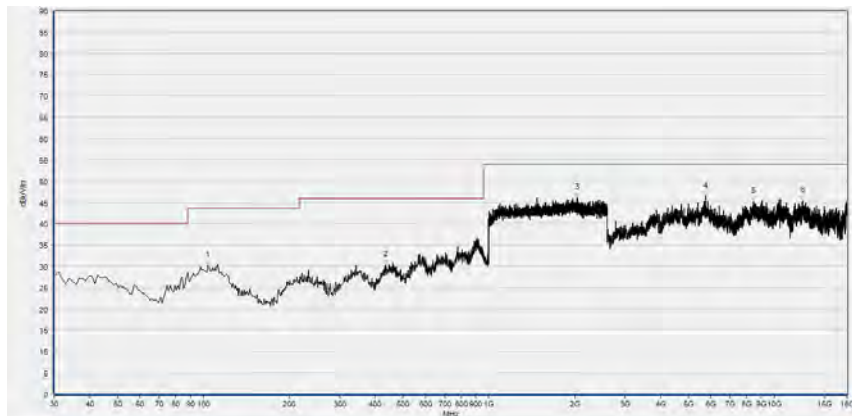
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 104.690    | 31.26       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 671.170    | 33.11       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2379.200   | 46.60       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5803.200   | 45.68       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8485.880   | 45.39       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 10380.080  | 46.30       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

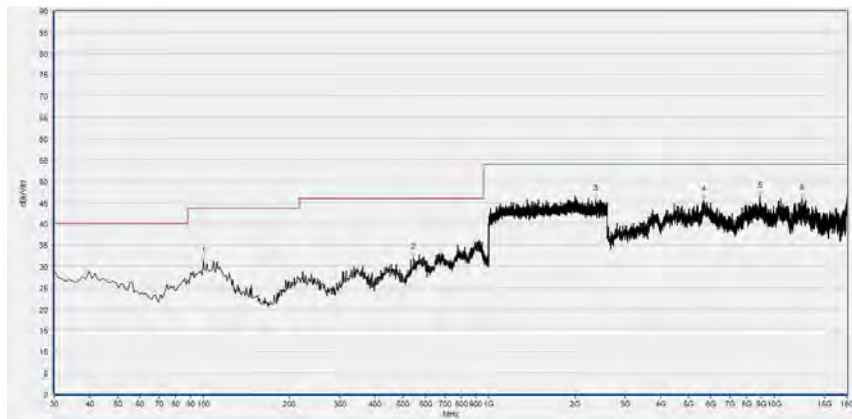


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 103.720    | 30.22       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 434.490    | 30.39       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2034.667   | 46.12       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 5744.680   | 46.39       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8445.840   | 45.25       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12582.280  | 45.43       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

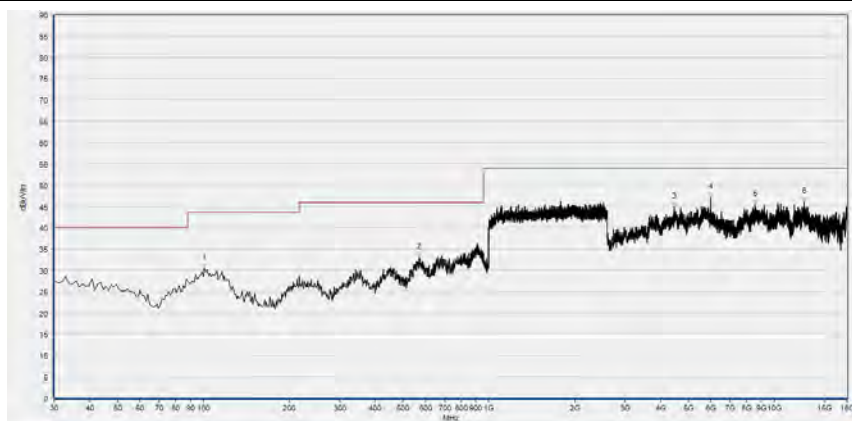
**802.11ax (HEW20) Mode**

## Plot for Channel 1



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 99.840     | 31.14       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 543.130    | 32.03       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2368.533   | 45.73       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5652.280   | 45.61       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8886.280   | 46.46       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12520.680  | 45.90       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

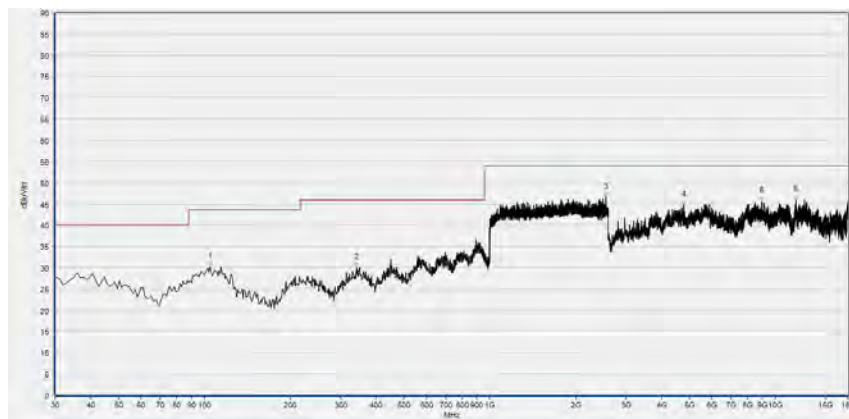


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 100.810    | 30.58       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 569.320    | 32.96       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 4457.240   | 44.87       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 47.09       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8544.400   | 45.37       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12745.520  | 46.13       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

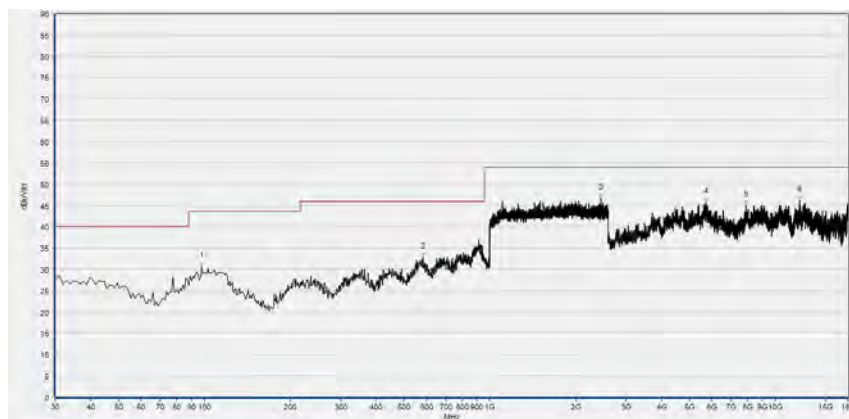


Plot for Channel 7



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 104.690    | 30.16       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 342.340    | 29.98       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2546.667   | 46.66       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 4780.640   | 44.72       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8978.680   | 45.58       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 11821.520  | 45.92       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

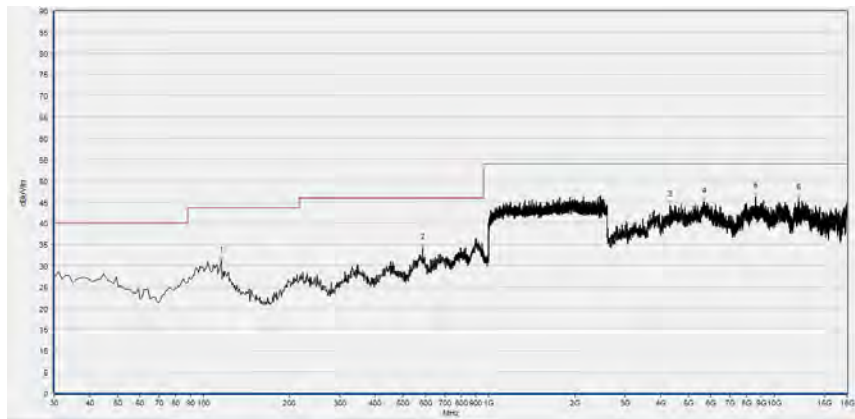
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 97.900     | 30.70       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 582.900    | 32.78       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2446.400   | 46.81       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 5707.720   | 45.71       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 7882.200   | 45.03       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12144.920  | 46.31       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

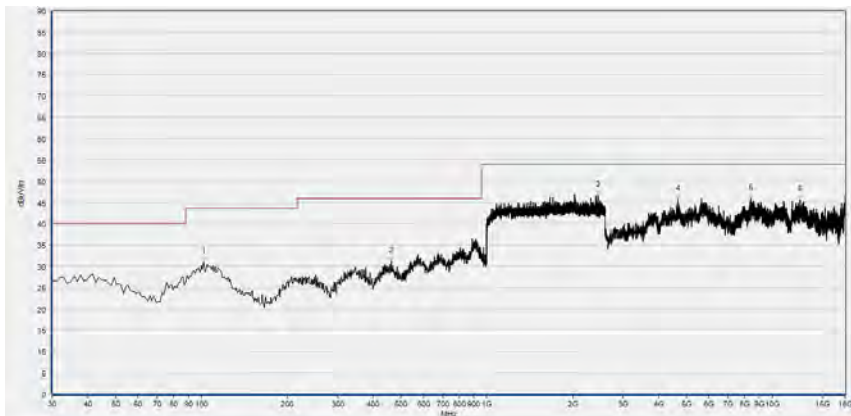
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 115.360    | 31.10       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 585.810    | 34.17       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 4300.160   | 44.29       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5673.840   | 45.02       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8606.000   | 46.29       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12148.000  | 45.96       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

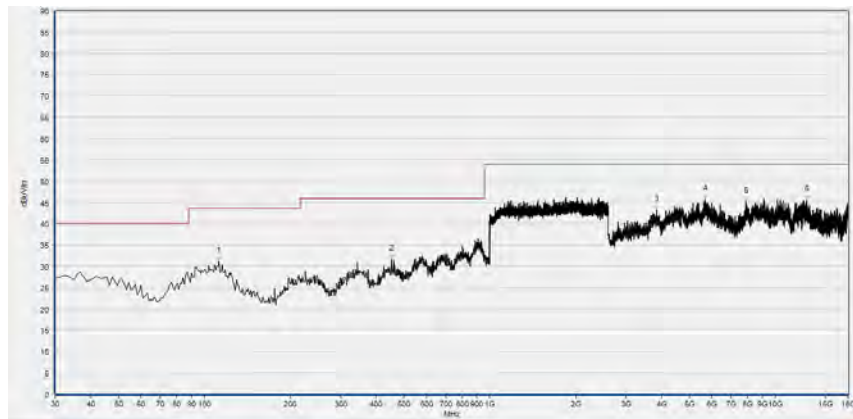


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 101.780    | 30.93       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 462.620    | 31.10       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2456.533   | 46.81       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 4679.000   | 45.73       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8418.120   | 45.94       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12508.360  | 45.54       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

**802.11ax (HEW20) RU26 Mode**

## Plot for Channel 1



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 112.450    | 31.14       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 451.950    | 31.66       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 3850.480   | 43.31       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5686.160   | 45.71       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 7909.920   | 45.17       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12899.520  | 45.66       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

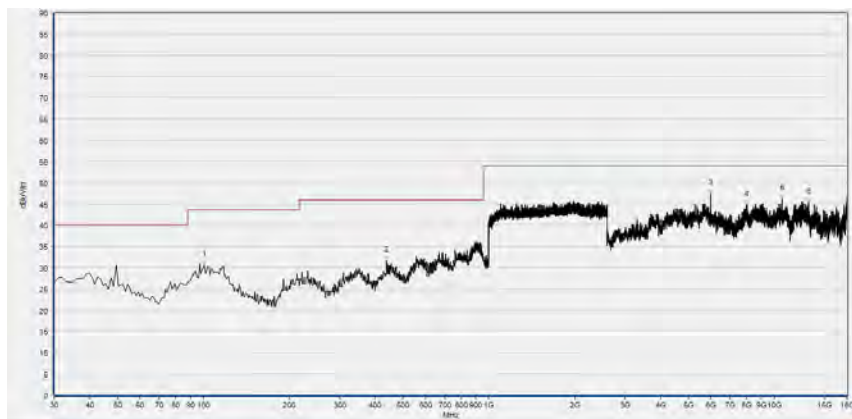


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 98.870     | 31.11       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 354.950    | 31.32       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2451.200   | 47.15       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 5603.000   | 45.70       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9031.040   | 45.55       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12868.720  | 45.88       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

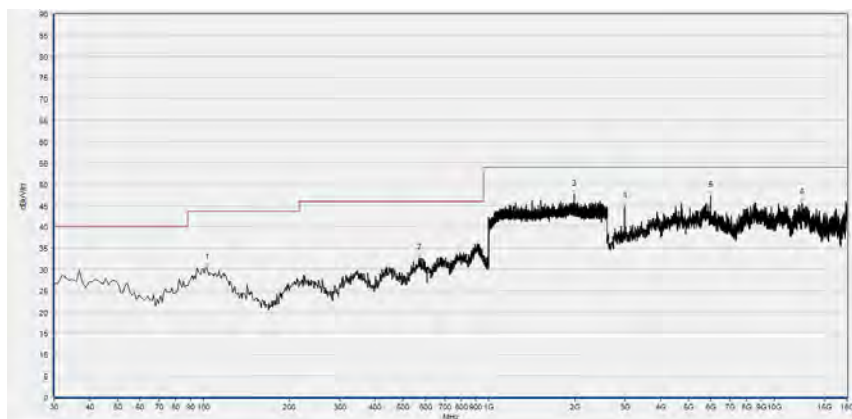


Plot for Channel 7



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 100.810    | 30.66       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 438.370    | 31.64       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 6000.320   | 47.51       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 7996.160   | 44.83       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 10663.440  | 46.32       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 13176.720  | 45.35       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

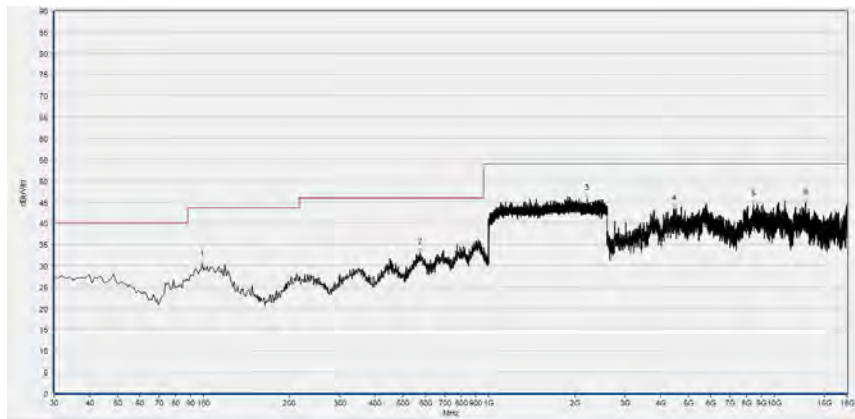
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 102.750    | 30.36       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 571.260    | 32.76       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1991.467   | 47.55       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 2991.160   | 44.68       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 47.27       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12536.080  | 45.55       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

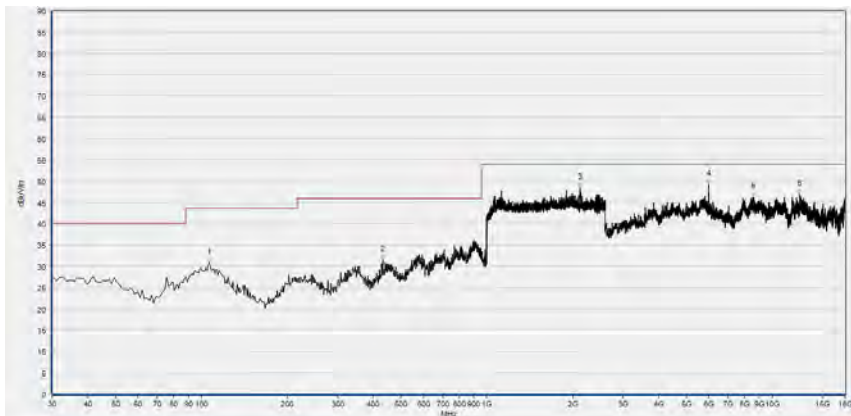
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 98.870     | 30.16       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 573.200    | 33.05       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2215.467   | 45.82       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 4454.160   | 43.38       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8455.080   | 44.40       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12908.760  | 44.73       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

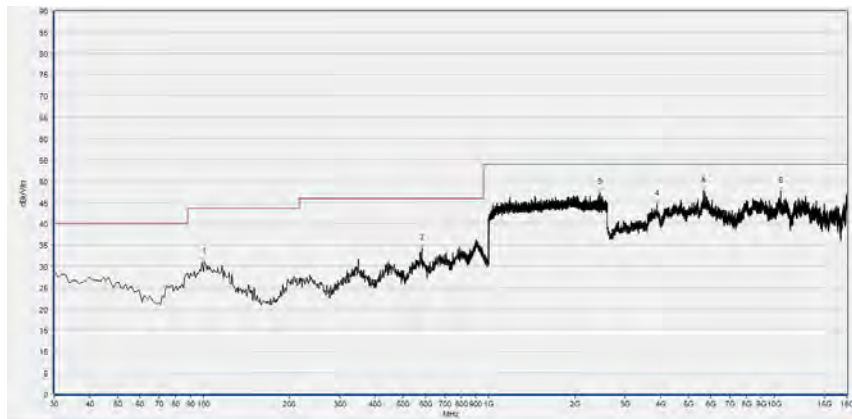


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 106.630    | 30.89       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 431.580    | 31.58       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2125.333   | 48.39       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 49.23       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8565.960   | 46.31       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12480.640  | 47.01       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

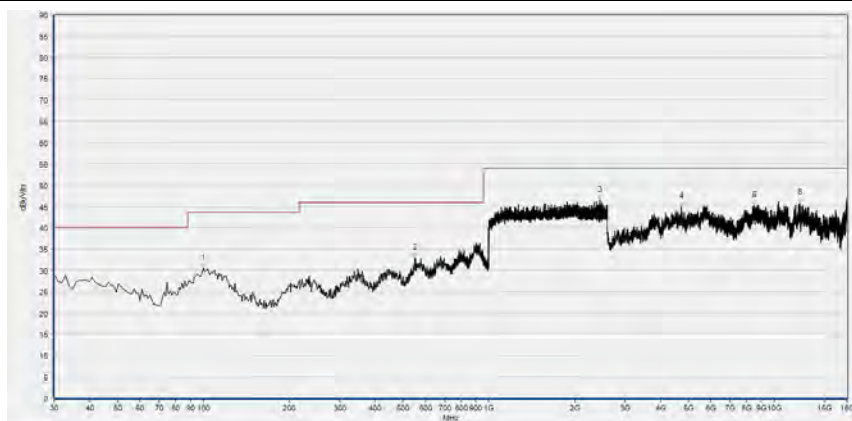
**802.11ax (HEW20) RU52 Mode**

## Plot for Channel 1



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 100.810    | 30.98       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 581.930    | 34.21       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2451.200   | 47.30       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 3875.120   | 44.53       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5652.280   | 47.73       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 10509.440  | 47.52       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

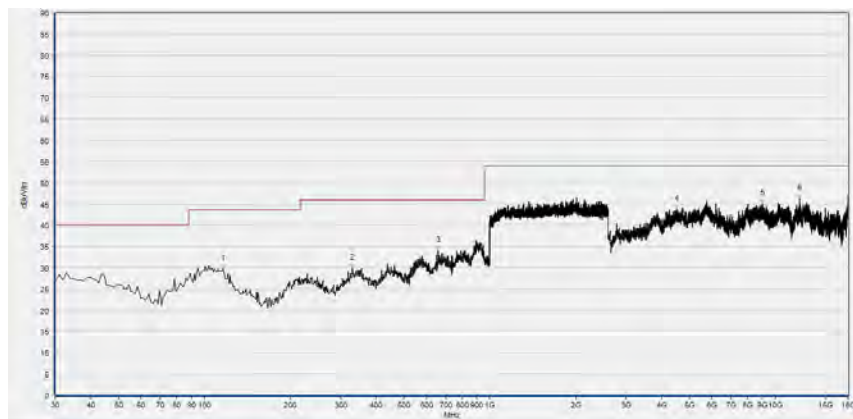
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 99.840     | 30.55       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 550.890    | 32.87       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2456.000   | 46.47       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 4737.520   | 44.90       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8488.960   | 45.30       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12283.520  | 45.78       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

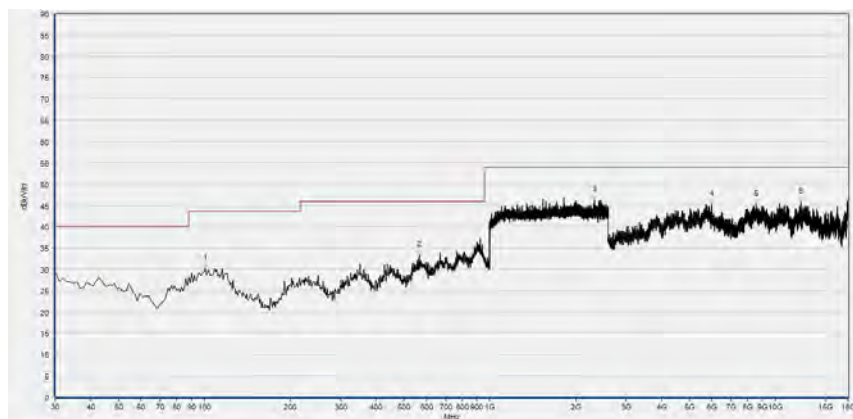
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 116.330    | 29.59       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 330.700    | 29.78       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 660.500    | 33.98       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 4515.760   | 43.71       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9012.560   | 45.10       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12144.920  | 46.28       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

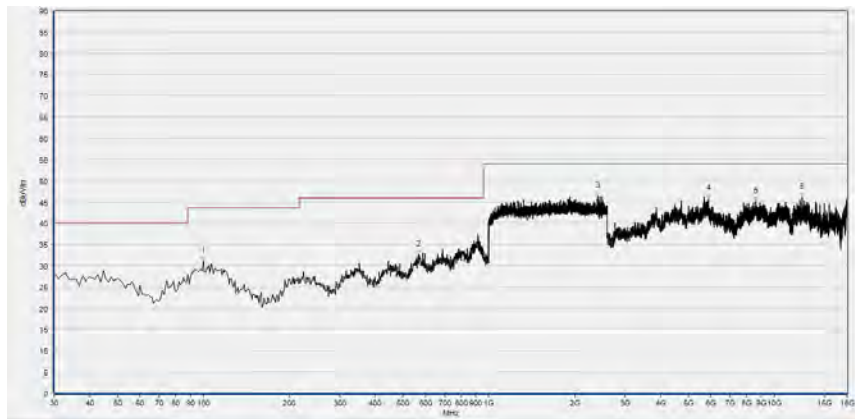
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 100.810    | 30.19       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 565.440    | 33.41       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2322.667   | 46.18       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6003.400   | 45.23       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8581.360   | 45.20       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12283.520  | 45.68       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

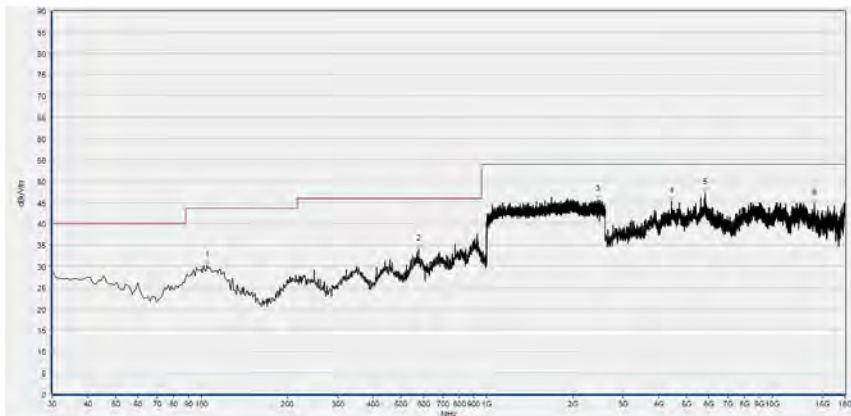
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 99.840     | 30.95       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 565.440    | 32.47       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2409.600   | 46.36       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5883.280   | 45.82       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8621.400   | 45.08       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12529.920  | 46.07       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

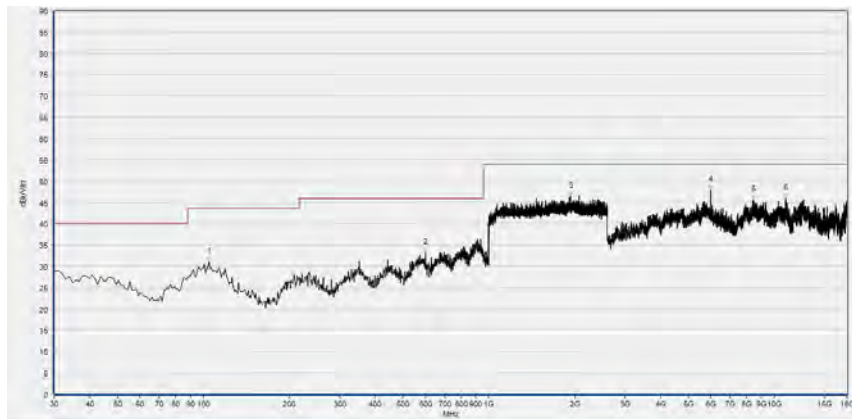


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 104.690    | 30.15       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 577.080    | 34.04       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2453.867   | 45.59       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 4426.440   | 45.21       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 5834.000   | 47.26       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 14045.280  | 44.67       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

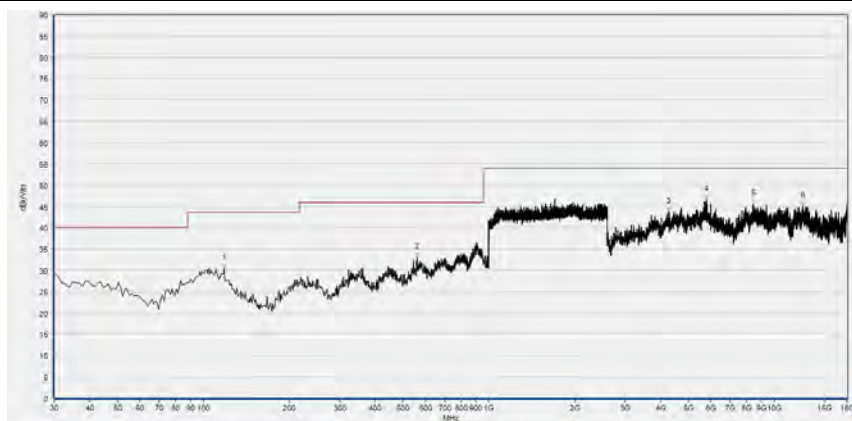
**802.11ax (HEW20) RU106 Mode**

## Plot for Channel 1



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 104.690    | 31.03       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 599.390    | 33.22       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1930.133   | 46.34       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 6000.320   | 47.93       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8452.000   | 45.58       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 10977.600  | 45.88       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

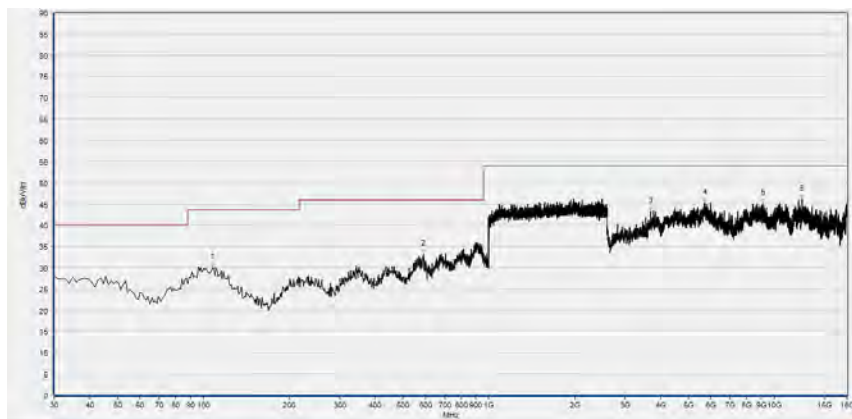
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 118.270    | 30.53       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 561.560    | 33.09       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 4272.440   | 43.68       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 5784.720   | 46.56       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8442.760   | 45.63       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12625.400  | 45.15       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

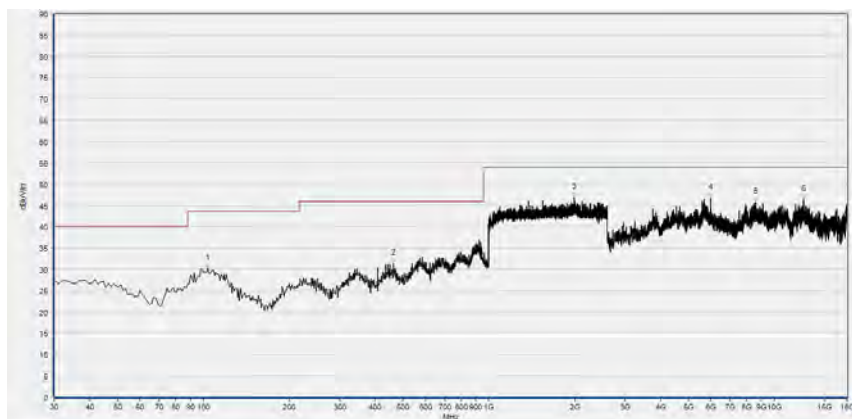
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 107.600    | 30.00       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 591.630    | 33.26       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 3690.320   | 43.21       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5713.880   | 45.33       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9095.720   | 45.09       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12526.840  | 46.05       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

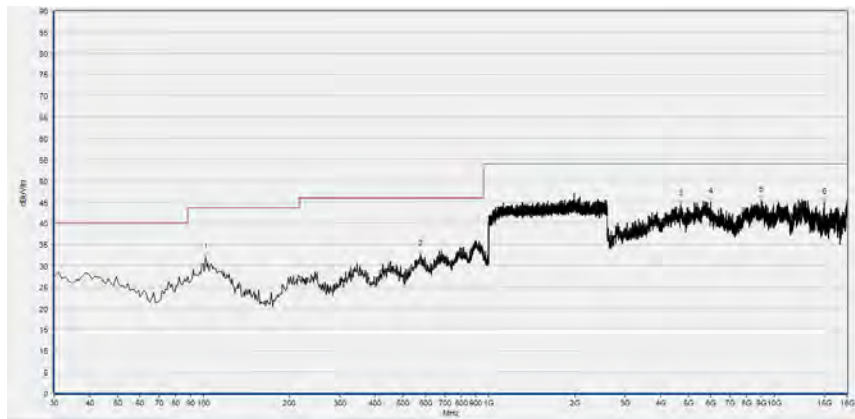
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 103.720    | 30.08       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 463.590    | 31.32       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1995.733   | 46.90       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 46.76       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8612.160   | 45.73       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12674.680  | 46.41       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

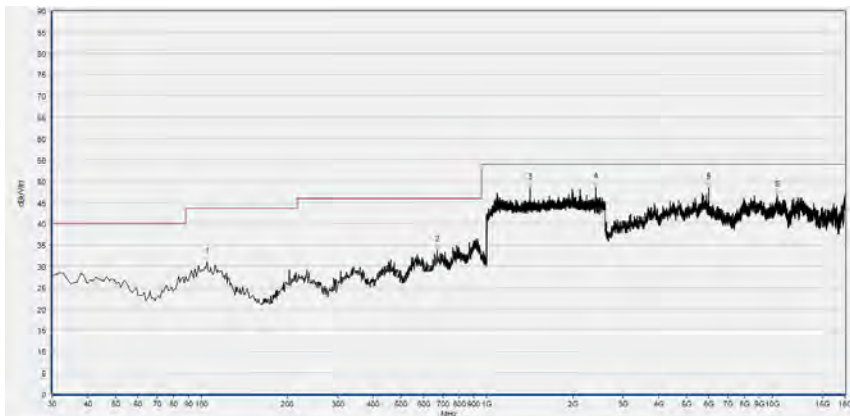
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 13



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 101.780    | 31.94       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 577.080    | 32.66       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 4712.880   | 44.36       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 6000.320   | 45.04       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9009.480   | 45.46       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 14984.680  | 44.87       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

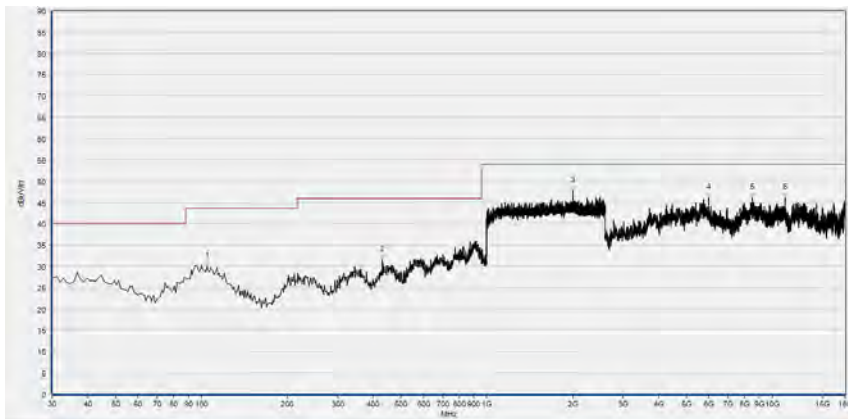


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 104.690    | 31.02       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 668.260    | 33.80       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1414.400   | 48.39       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 2411.733   | 48.63       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 48.42       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 10423.200  | 46.78       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

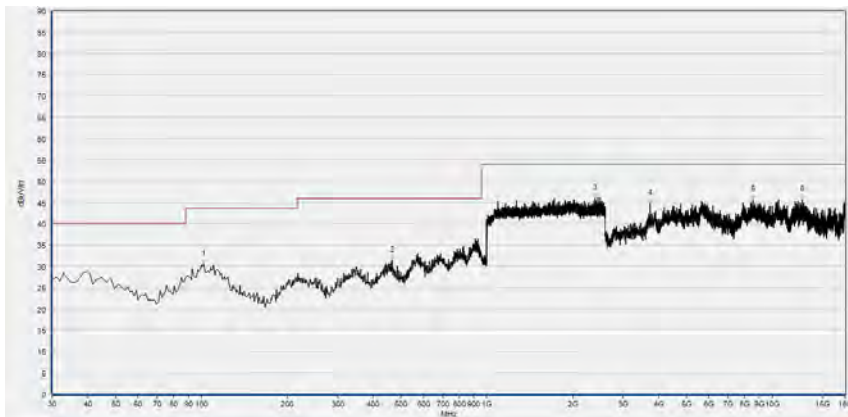
**802.11ax (HEW40) Mode**

## Plot for Channel 3



| Fre. (MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna    | Verdict |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|------------|---------|
| 104.690    | 30.01          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Horizontal | PASS    |
| 430.610    | 31.51          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 1998.400   | 47.82          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 6000.320   | 46.15          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 8504.360   | 46.03          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 11060.760  | 46.05          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |

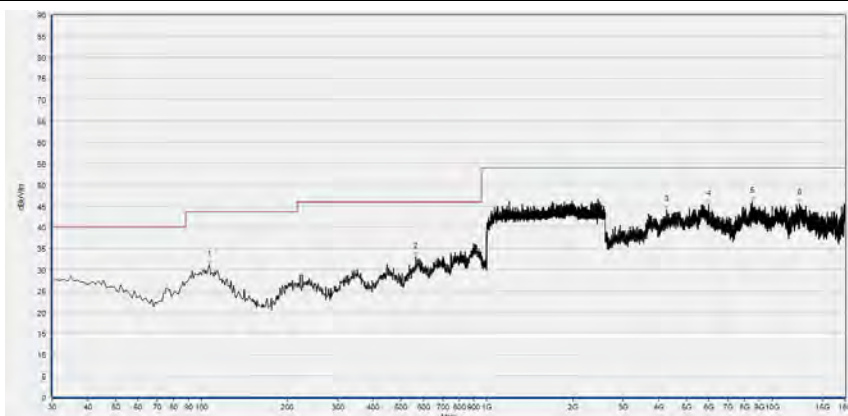
(Antenna Horizontal, 30MHz to 18GHz)



| Fre.<br>(MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna  | Verdict |
|---------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|----------|---------|
| 101.780       | 30.58          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Vertical | PASS    |
| 466.500       | 31.31          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 2389.333      | 45.87          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 3739.600      | 44.73          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 8572.120      | 45.59          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 12733.200     | 45.61          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |

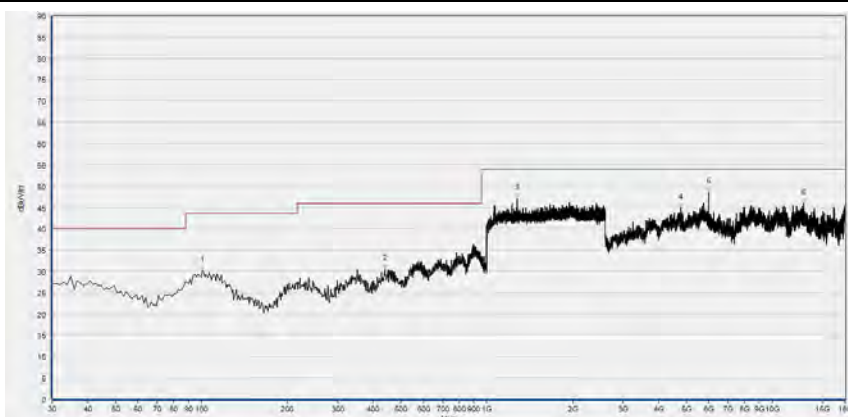
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 7



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 106.630    | 31.25       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 563.500    | 32.96       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 4250.880   | 44.06       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 6000.320   | 45.39       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8529.000   | 46.10       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12471.400  | 45.53       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

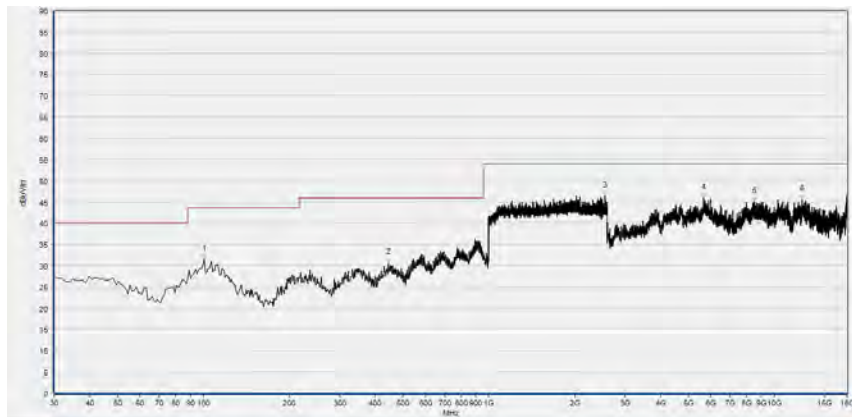
(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 100.810    | 30.12       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 439.340    | 30.47       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1276.267   | 47.11       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 4771.400   | 44.97       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 48.60       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 12896.440  | 45.88       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

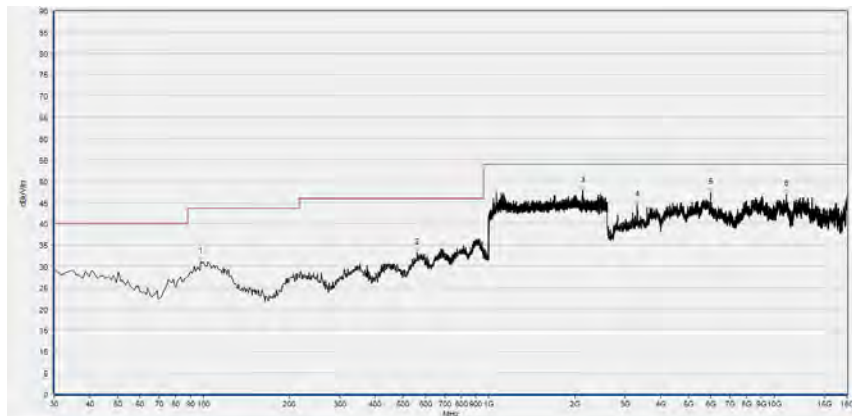
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 11



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna    | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 100.810    | 31.47       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 444.190    | 30.64       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2545.067   | 46.45       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5658.440   | 45.85       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 8525.920   | 45.12       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12499.120  | 45.56       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)



| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 97.900     | 31.00       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 561.560    | 33.26       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2131.200   | 47.74       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 3311.480   | 44.47       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 6000.320   | 47.22       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 11011.480  | 46.95       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)



## Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

| Test Items                  | Uncertainty         |
|-----------------------------|---------------------|
| Peak Output Power           | $\pm 2.22\text{dB}$ |
| Power Spectral Density      | $\pm 2.22\text{dB}$ |
| Bandwidth                   | $\pm 5\%$           |
| Conducted Spurious Emission | $\pm 2.77\text{dB}$ |
| Restricted Frequency Bands  | $\pm 5\%$           |
| Radiated Emission           | $\pm 2.95\text{dB}$ |
| Conducted Emission          | $\pm 2.44\text{dB}$ |

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .



## Annex B Testing Laboratory Information

### 1. Identification of the Responsible Testing Laboratory

|                            |                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Laboratory Name:</b>    | Shenzhen Morlab Communications Technology Co., Ltd.                                                                              |
| <b>Laboratory Address:</b> | FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China |
| <b>Telephone:</b>          | +86 755 36698555                                                                                                                 |
| <b>Facsimile:</b>          | +86 755 36698525                                                                                                                 |

### 2. Identification of the Responsible Testing Location

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Name:</b>    | Shenzhen Morlab Communications Technology Co., Ltd.                                                                              |
| <b>Address:</b> | FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China |

### 3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



#### 4. Test Equipments Utilized

##### 4.1 Conducted Test Equipments

| Equipment Name            | Serial No. | Type      | Manufacturer | Cal. Date  | Due Date   |
|---------------------------|------------|-----------|--------------|------------|------------|
| Attenuator 1              | (N/A.)     | 10dB      | Resent       | N/A        | N/A        |
| EXA Signal Analyzer       | MY53470836 | N9010A    | Agilent      | 2022.03.01 | 2023.02.28 |
| USB Wideband Power Sensor | MY54180008 | U2021XA   | Agilent      | 2021.10.21 | 2022.10.20 |
|                           |            |           |              | 2022.10.11 | 2023.10.10 |
| RF Cable (30MHz-26GHz)    | CB01       | RF01      | Morlab       | N/A        | N/A        |
| Coaxial Cable             | CB02       | RF02      | Morlab       | N/A        | N/A        |
| SMA Connector             | CN01       | RF03      | HUBER-SUHNER | N/A        | N/A        |
| Computer                  | T430i      | Think Pad | Lenovo       | N/A        | N/A        |

##### 4.2 Conducted Emission Test Equipments

| Equipment Name                   | Serial No.         | Type        | Manufacturer | Cal. Date  | Due Date   |
|----------------------------------|--------------------|-------------|--------------|------------|------------|
| Receiver                         | MY56400093         | N9038A      | KEYSIGHT     | 2022.03.03 | 2023.03.02 |
| LISN                             | 812744             | NSLK 8127   | Schwarzbeck  | 2022.03.03 | 2023.03.02 |
| Pulse Limiter (10dB)             | VTSD 9561 F-B #206 | VTSD 9561-F | Schwarzbeck  | 2022.07.06 | 2023.07.05 |
| Coaxial cable(BNC) (30MHz-26GHz) | CB01               | EMC01       | Morlab       | N/A        | N/A        |

##### 4.3 List of Software Used

| Description      | Manufacturer | Software Version |
|------------------|--------------|------------------|
| Test System      | Townsend     | V2.5.77.0418     |
| MORLAB EMCR V1.2 | MORLAB       | V1.0             |
| TS+ -[JS32-CE]   | Tonscend     | V2.5.0.0         |

**4.4 Radiated Test Equipments**

| Equipment Name                       | Serial No.   | Type                  | Manufacturer | Cal. Date  | Due Date   |
|--------------------------------------|--------------|-----------------------|--------------|------------|------------|
| Receiver                             | MY54130016   | N9038A                | Agilent      | 2022.07.06 | 2023.07.05 |
| Test Antenna - Bi-Log                | 9163-519     | VULB 9163             | Schwarzbeck  | 2022.05.25 | 2025.05.24 |
| Test Antenna - Loop                  | 1519-022     | FMZB1519              | Schwarzbeck  | 2022.02.11 | 2025.02.10 |
| Test Antenna – Horn                  | 01774        | BBHA 9120D            | Schwarzbeck  | 2022.07.13 | 2025.07.12 |
| Test Antenna – Horn                  | BBHA9170#773 | BBHA 9170             | Schwarzbeck  | 2022.07.14 | 2025.07.13 |
| Coaxial Cable (N male) (9KHz-30MHz)  | CB04         | EMC04                 | Morlab       | N/A        | N/A        |
| Coaxial Cable (N male) (30MHz-26GHz) | CB02         | EMC02                 | Morlab       | N/A        | N/A        |
| Coaxial Cable (N male) (30MHz-26GHz) | CB03         | EMC03                 | Morlab       | N/A        | N/A        |
| Coaxial Cable (N male) (30MHz-40GHz) | CB05         | EMC05                 | Morlab       | N/A        | N/A        |
| 1-18GHz pre-Amplifier                | 61171/61172  | S020180L3203          | Tonscend     | 2022.07.08 | 2023.07.07 |
| 18-26.5GHz pre-Amplifier             | 46732        | S10M100L3802          | Tonscend     | 2022.07.08 | 2023.07.07 |
| 26-40GHz pre-Amplifier               | 56774        | S40M400L4002          | Tonscend     | 2022.07.08 | 2023.07.07 |
| Notch Filter                         | N/A          | WRCG-2400-2483.5-60SS | Wainwright   | 2022.07.08 | 2023.07.07 |
| Anechoic Chamber                     | N/A          | 9m*6m*6m              | CRT          | 2020.01.06 | 2023.01.05 |

END OF REPORT