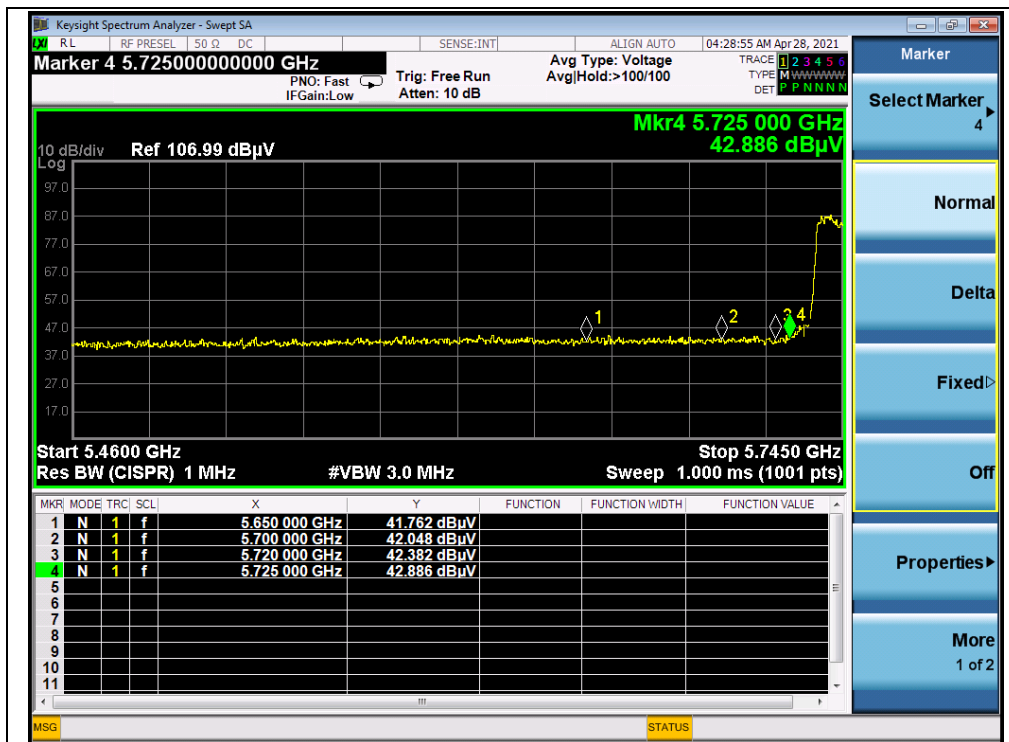
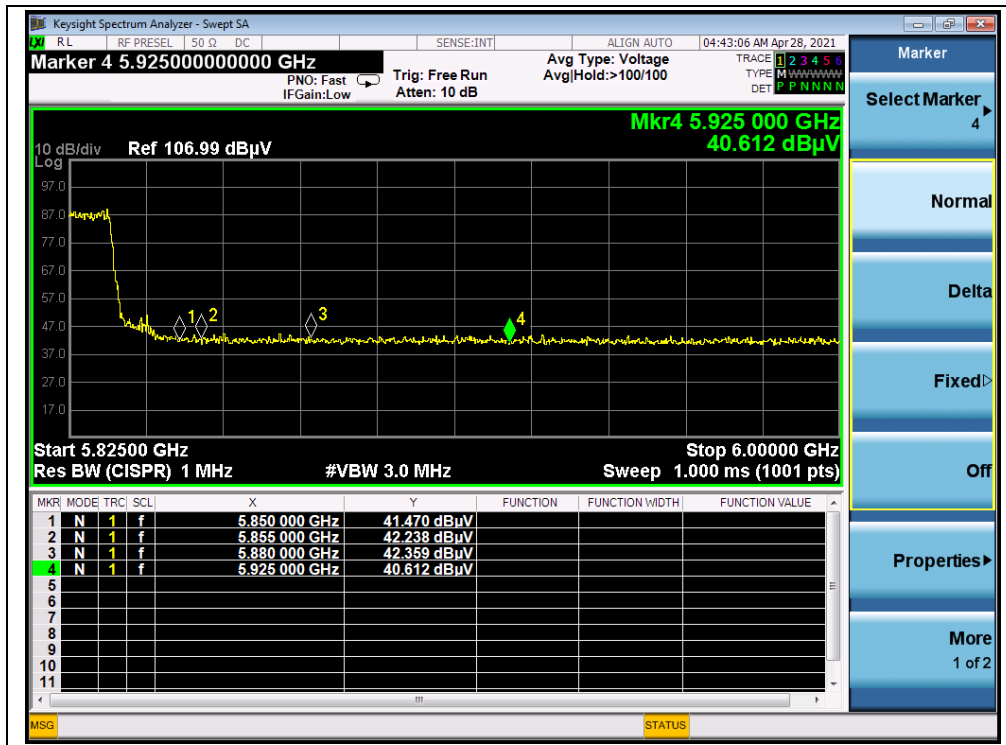


(AVERAGE, Channel 64, 802.11ax (HEW20))



(PEAK, Channel 149, 802.11ax (HEW20))



(PEAK, Channel 165, 802.11ax (HEW20))

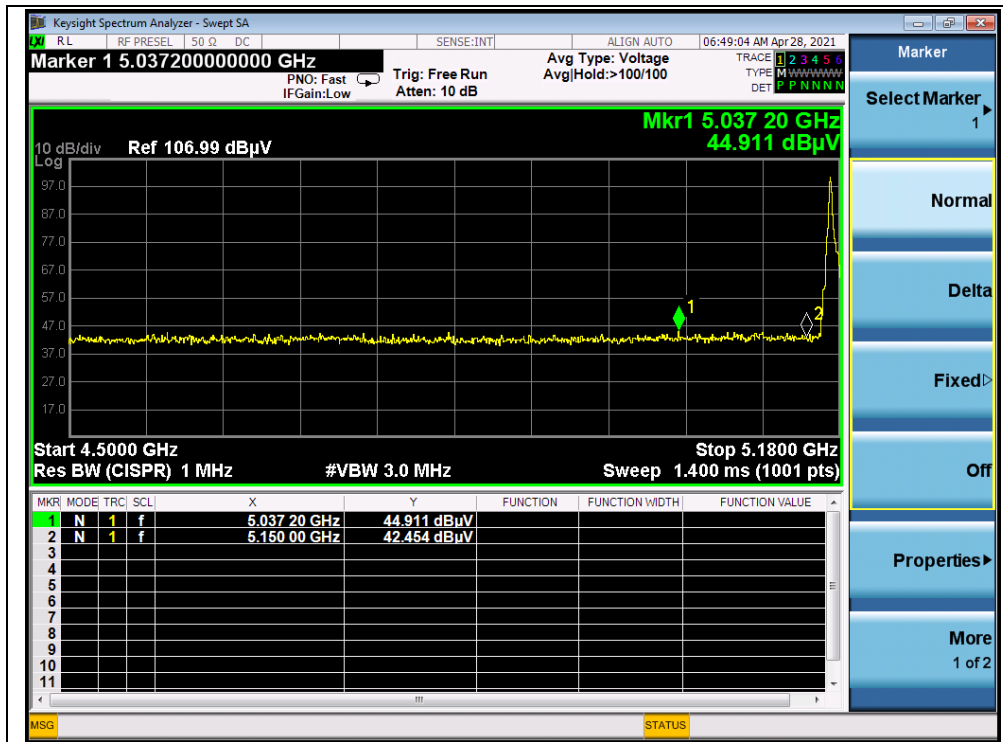


802.11ax (HEW20) RU26 Mode

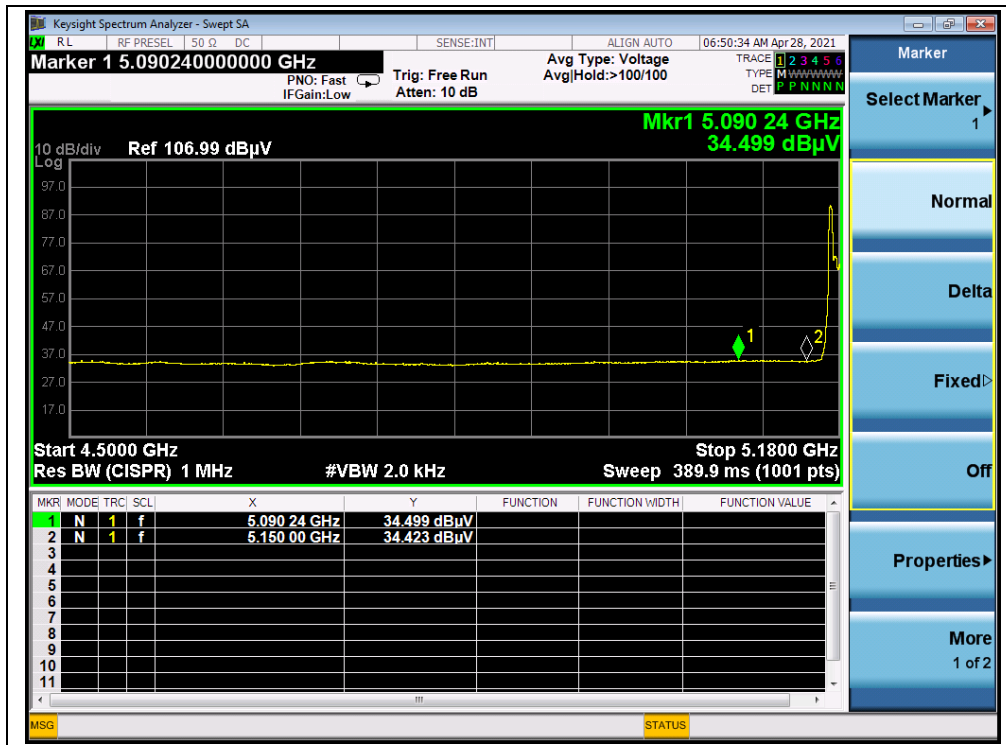
A. Test Verdict:

| Channel | Frequency (MHz) | Detector | Receiver Reading   | $A_T$  | $A_{Factor}$ | Max. Emission    | Limit (dB $\mu$ V/m) | Verdict |
|---------|-----------------|----------|--------------------|--------|--------------|------------------|----------------------|---------|
|         |                 | PK/ AV   | $U_R$ (dB $\mu$ V) | (dB)   | (dB@3m)      | E (dB $\mu$ V/m) |                      |         |
| 36      | 5037.20         | PK       | 44.91              | -19.54 | 32.20        | 57.57            | 74                   | PASS    |
| 36      | 5090.24         | AV       | 34.50              | -19.54 | 32.20        | 47.16            | 54                   | PASS    |
| 64      | 5428.08         | PK       | 42.46              | -18.80 | 32.20        | 55.86            | 74                   | PASS    |
| 64      | 5350.00         | AV       | 32.61              | -18.80 | 32.20        | 46.01            | 54                   | PASS    |
| 149     | 5725.00         | PK       | 43.39              | -19.01 | 32.20        | 56.58            | 122.23               | PASS    |
| 165     | 5850.00         | PK       | 42.53              | -19.01 | 32.20        | 55.72            | 122.23               | PASS    |

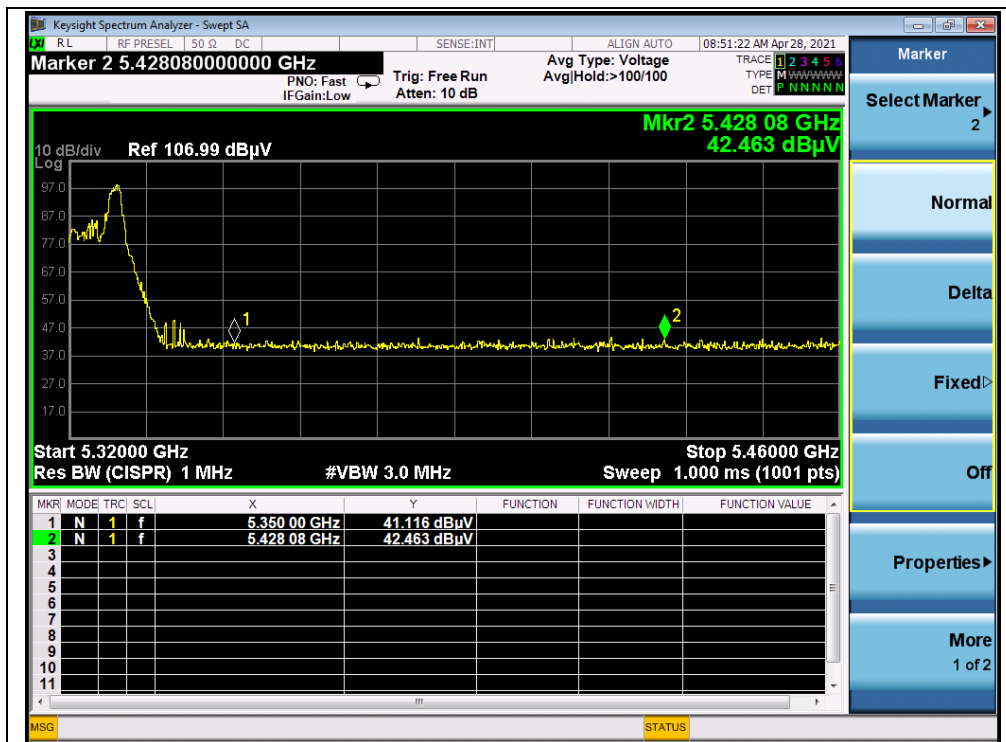
B. Test Plot:



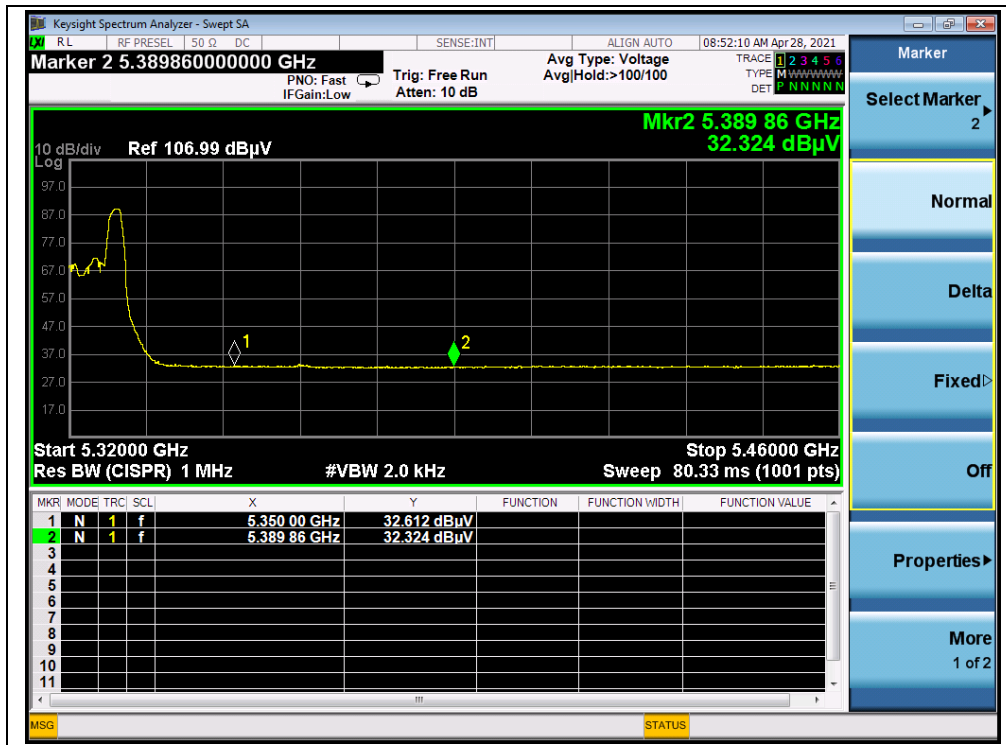
(PEAK, Channel 36, 802.11ax (HEW20) RU26)



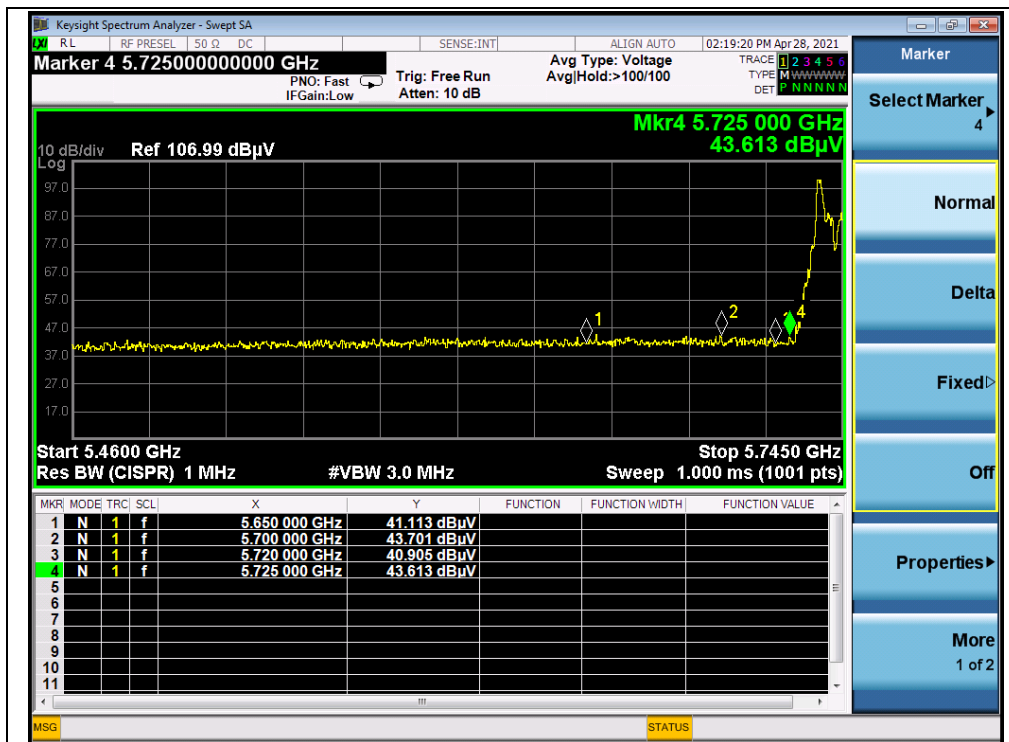
(AVERAGE, Channel 36, 802.11ax (HEW20) RU26)



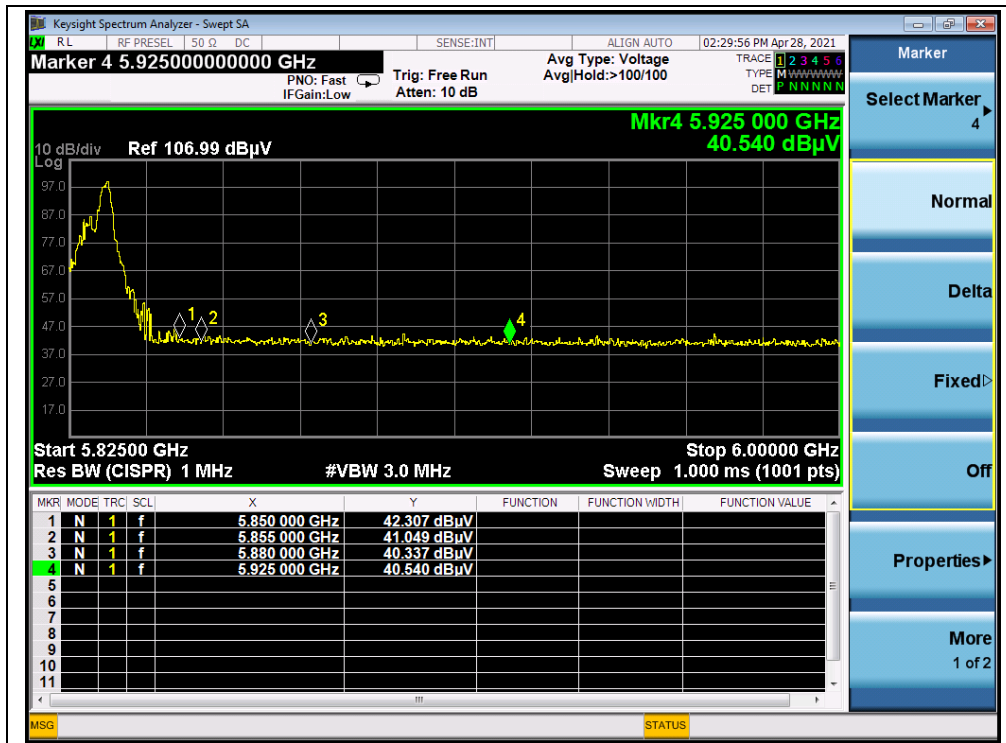
(PEAK, Channel 64, 802.11ax (HEW20) RU26)



(AVERAGE, Channel 64, 802.11ax (HEW20) RU26)



(PEAK, Channel 149, 802.11ax (HEW20) RU26)



(PEAK, Channel 165, 802.11ax (HEW20) RU26)

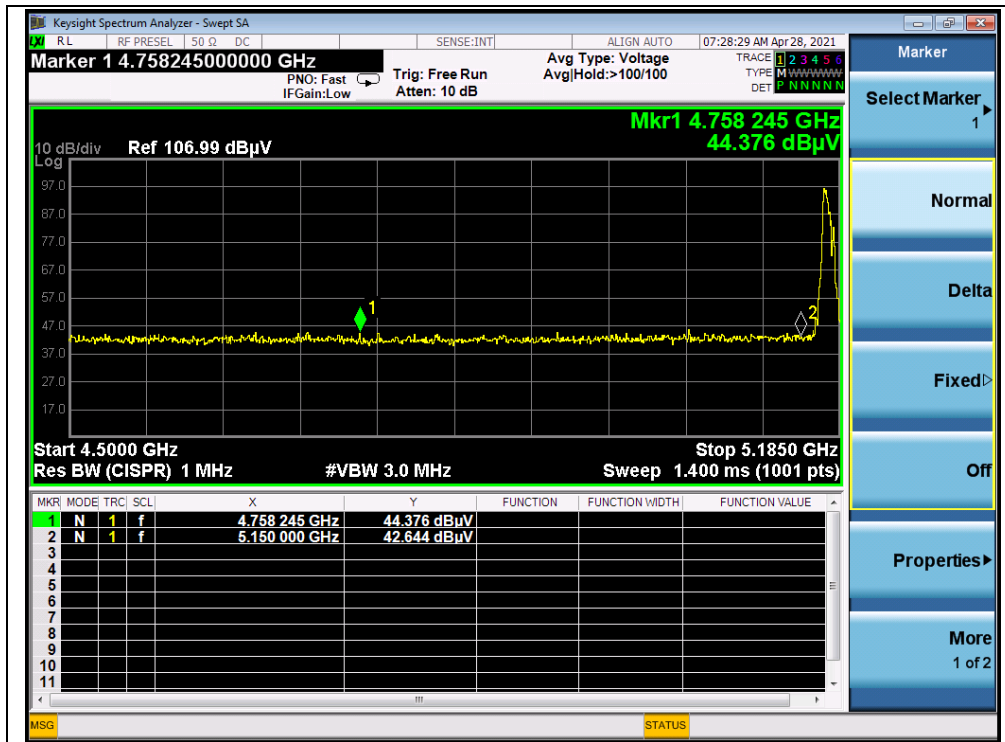


802.11ax (HEW20) RU52 Mode

A. Test Verdict:

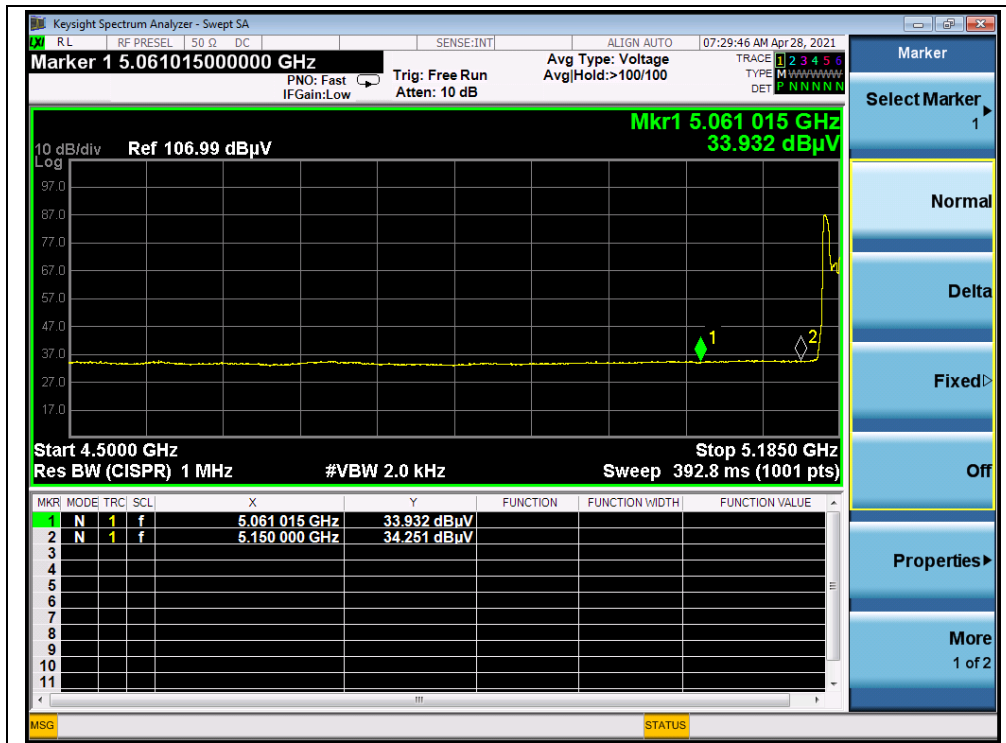
| Channel | Frequency (MHz) | Detector | Receiver Reading   | $A_T$  | $A_{Factor}$ | Max. Emission    | Limit (dB $\mu$ V/m) | Verdict |
|---------|-----------------|----------|--------------------|--------|--------------|------------------|----------------------|---------|
|         |                 | PK/ AV   | $U_R$ (dB $\mu$ V) | (dB)   | (dB@3m)      | E (dB $\mu$ V/m) |                      |         |
| 36      | 4758.25         | PK       | 44.38              | -19.54 | 32.20        | 57.04            | 74                   | PASS    |
| 36      | 5150.00         | AV       | 34.25              | -19.54 | 32.20        | 46.91            | 54                   | PASS    |
| 64      | 5408.62         | PK       | 42.89              | -18.80 | 32.20        | 56.29            | 74                   | PASS    |
| 64      | 5350.00         | AV       | 32.74              | -18.80 | 32.20        | 46.14            | 54                   | PASS    |
| 149     | 5720.00         | PK       | 42.75              | -19.01 | 32.20        | 55.94            | 110.83               | PASS    |
| 165     | 5850.00         | PK       | 42.09              | -19.01 | 32.20        | 55.28            | 122.23               | PASS    |

B. Test Plot:

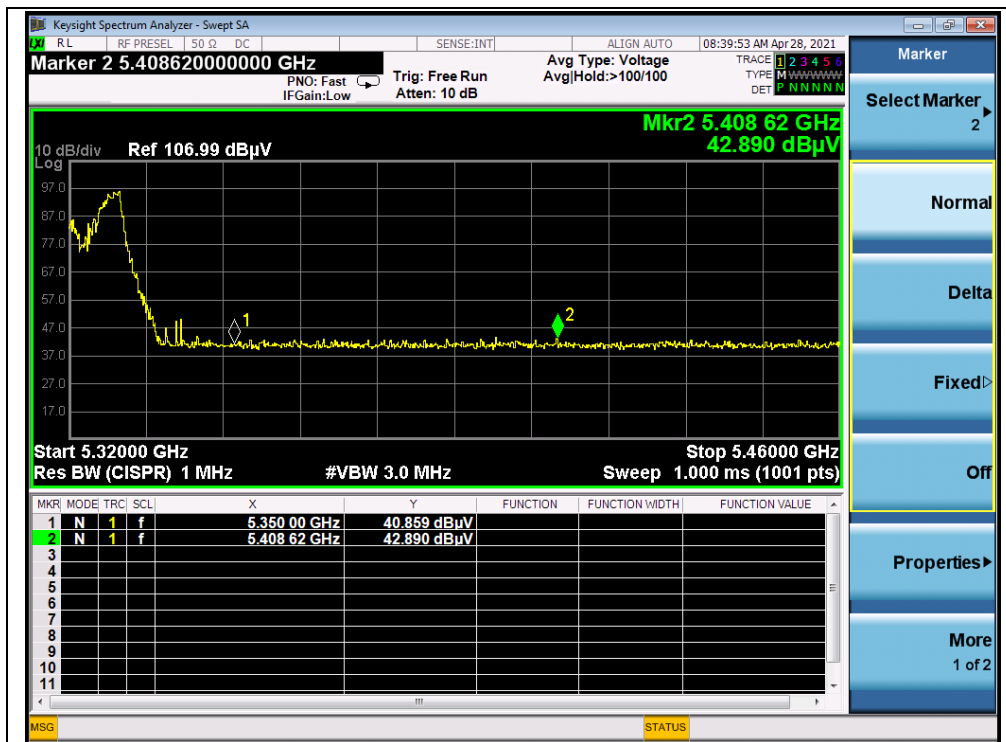


(PEAK, Channel 36, 802.11ax (HEW20) RU52)



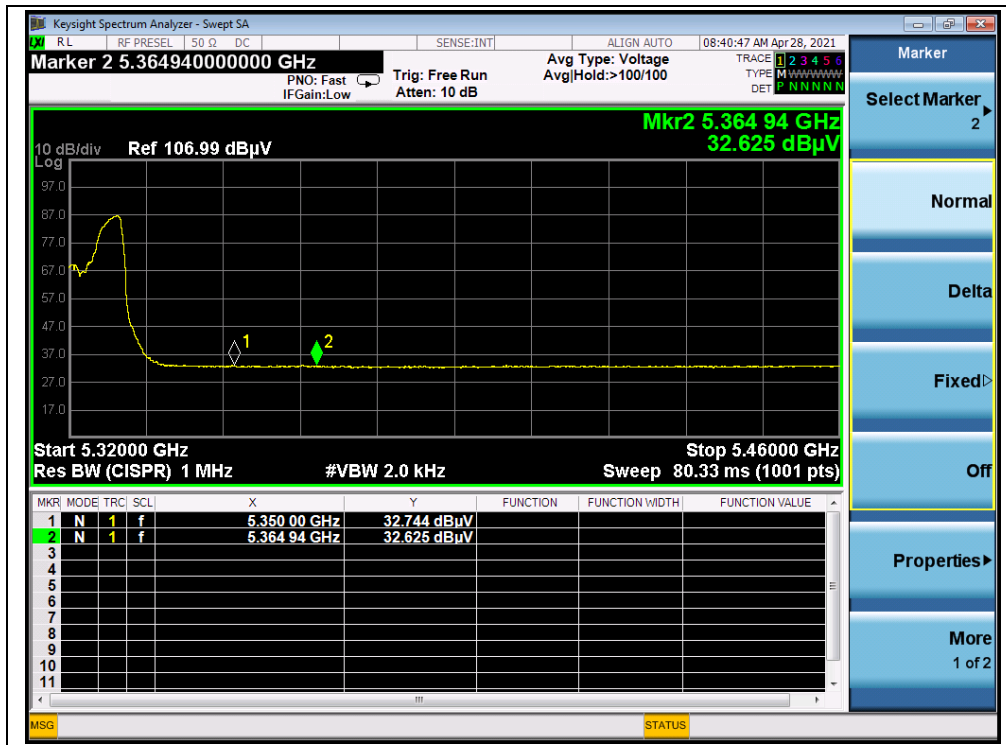


(AVERAGE, Channel 36, 802.11ax (HEW20) RU52)

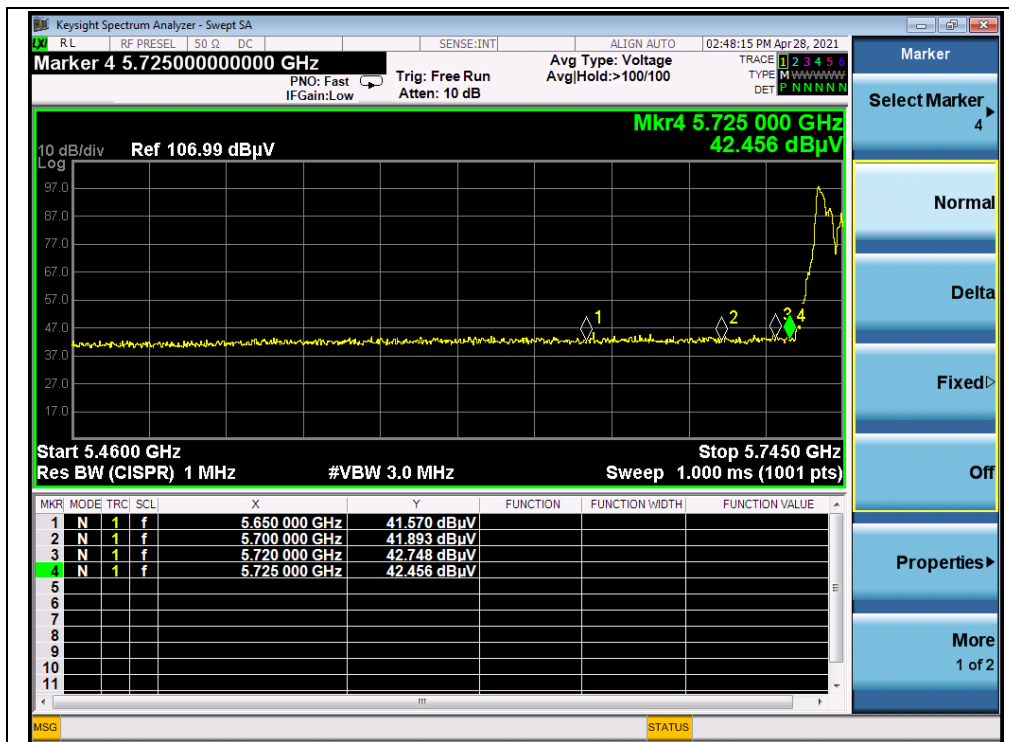


(PEAK, Channel 64, 802.11ax (HEW20) RU52)

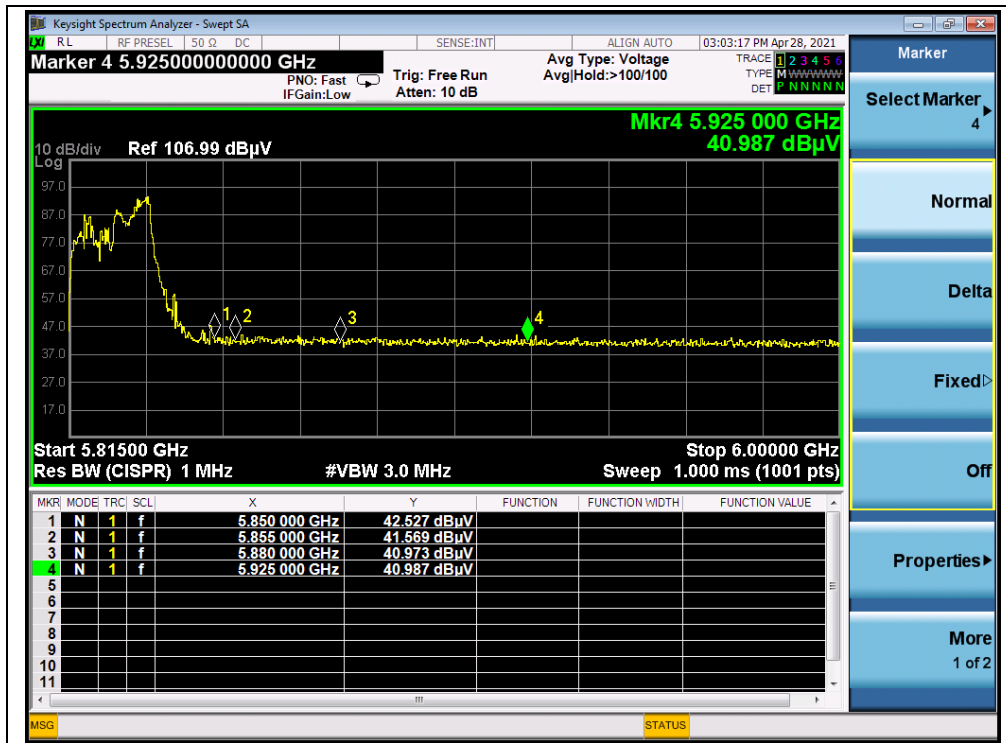




(AVERAGE, Channel 64, 802.11ax (HEW20) RU52)



(PEAK, Channel 149, 802.11ax (HEW20) RU52)



(PEAK, Channel 165, 802.11ax (HEW20) RU52)

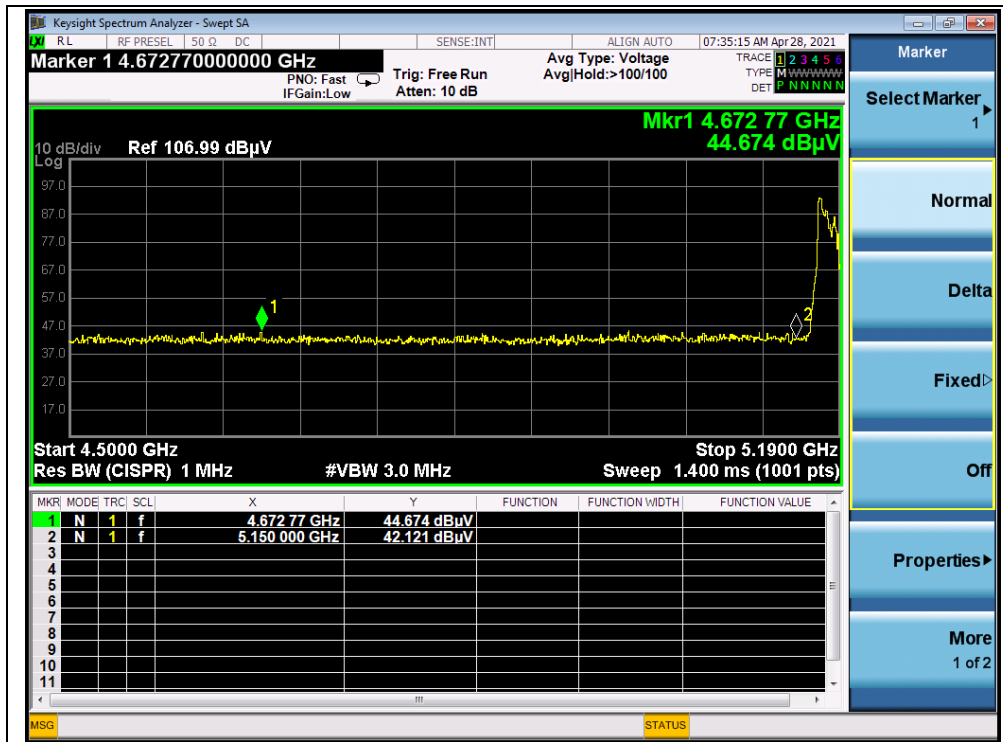


802.11ax (HEW20) RU106 Mode

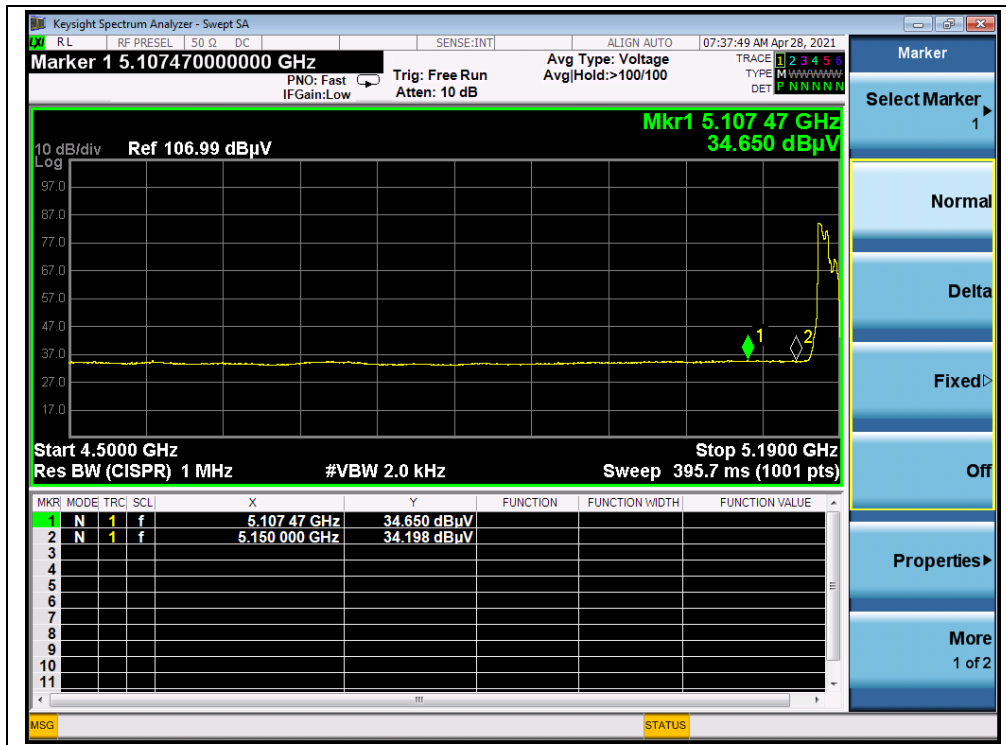
A. Test Verdict:

| Channel | Frequency (MHz) | Detector | Receiver Reading   | $A_T$  | $A_{Factor}$ | Max. Emission    | Limit (dB $\mu$ V/m) | Verdict |
|---------|-----------------|----------|--------------------|--------|--------------|------------------|----------------------|---------|
|         |                 | PK/ AV   | $U_R$ (dB $\mu$ V) | (dB)   | (dB@3m)      | E (dB $\mu$ V/m) |                      |         |
| 36      | 4672.77         | PK       | 44.67              | -19.54 | 32.20        | 57.33            | 74                   | PASS    |
| 36      | 5107.47         | AV       | 34.65              | -19.54 | 32.20        | 47.31            | 54                   | PASS    |
| 64      | 5358.00         | PK       | 42.96              | -18.80 | 32.20        | 56.36            | 74                   | PASS    |
| 64      | 5350.00         | AV       | 32.60              | -18.80 | 32.20        | 46               | 54                   | PASS    |
| 149     | 5725.00         | PK       | 43.39              | -19.01 | 32.20        | 56.58            | 122.23               | PASS    |
| 165     | 5850.00         | PK       | 42.53              | -19.01 | 32.20        | 55.72            | 122.23               | PASS    |

B. Test Plot:



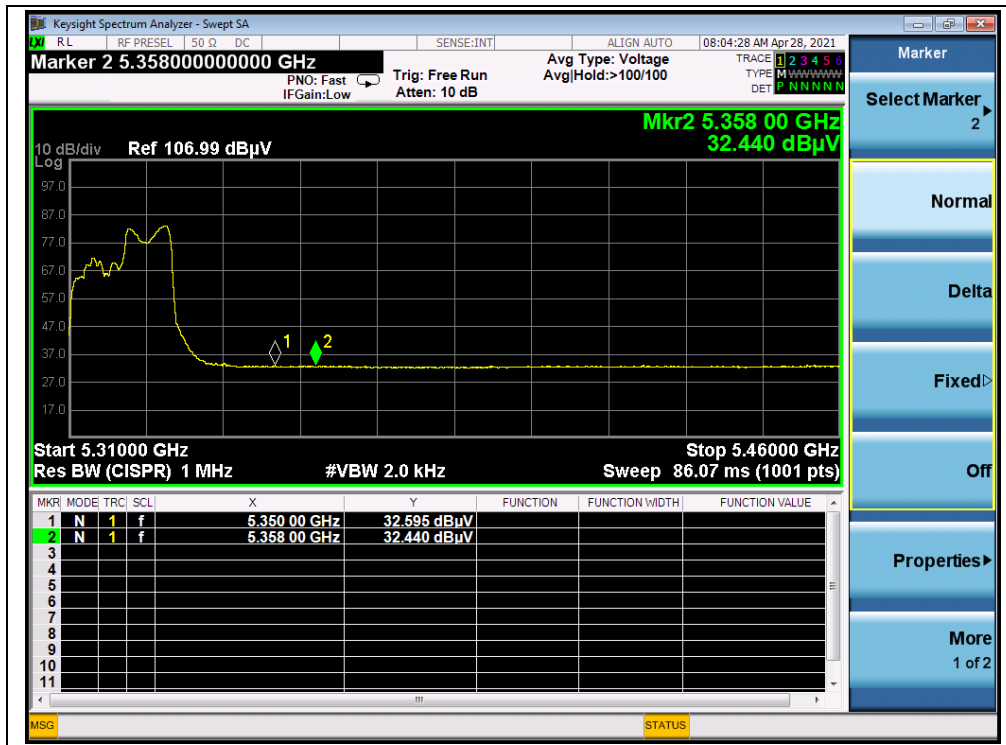
(PEAK, Channel 36, 802.11ax (HEW20) RU106)



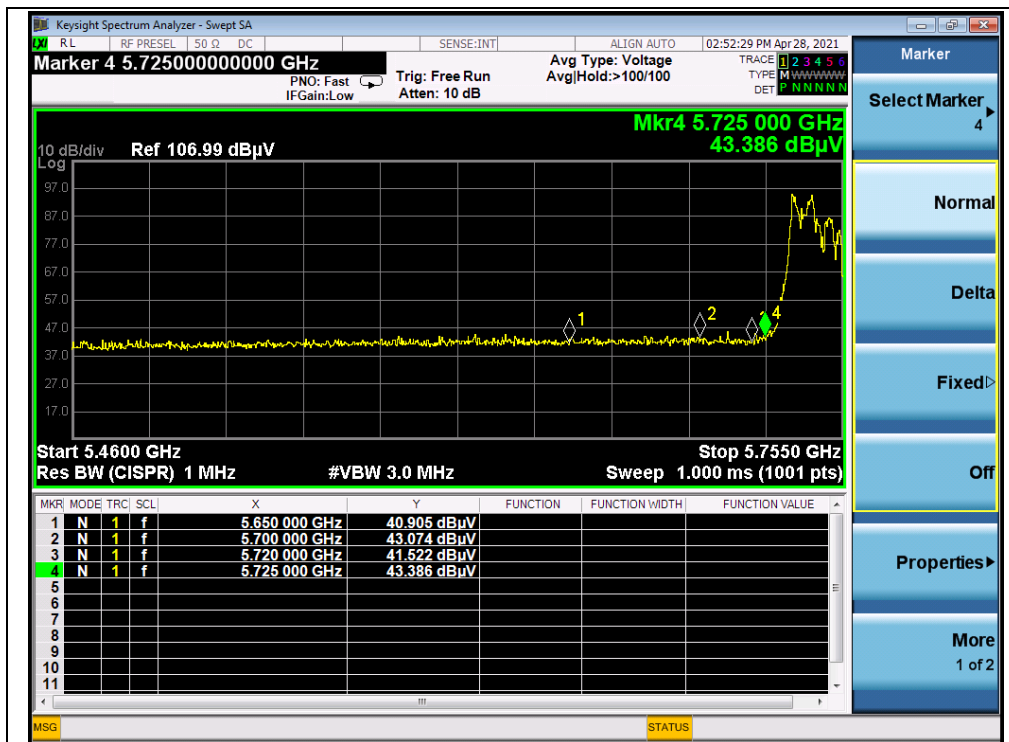
(AVERAGE, Channel 36, 802.11ax (HEW20) RU106)



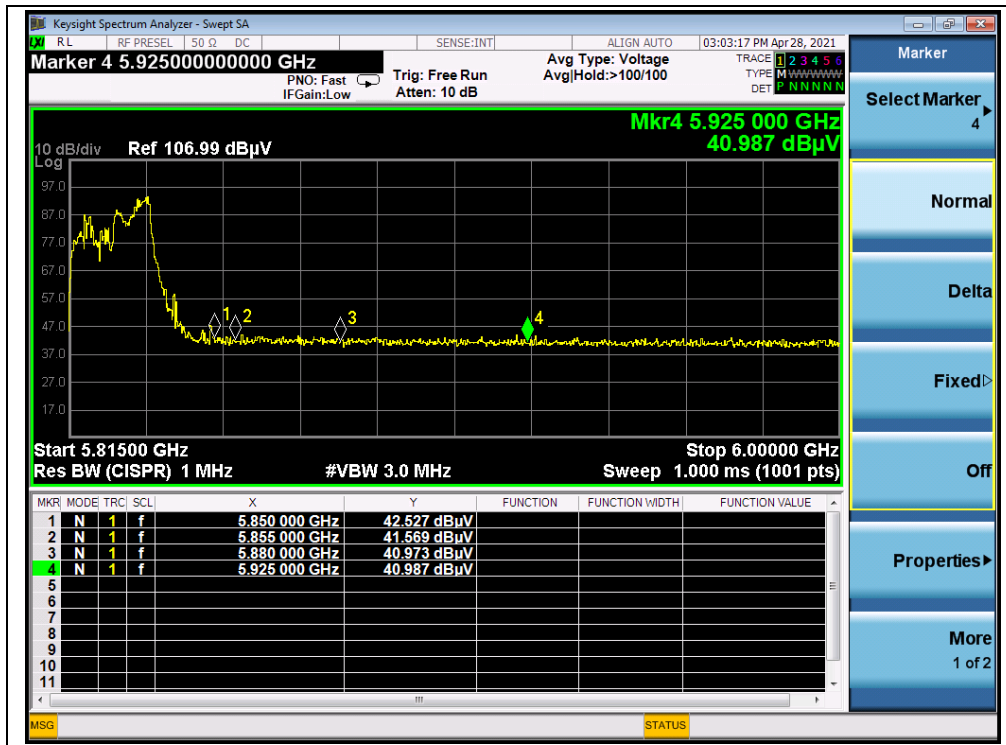
(PEAK, Channel 64, 802.11ax (HEW20) RU106)



(AVERAGE, Channel 64, 802.11ax (HEW20) RU106)



(PEAK, Channel 149, 802.11ax (HEW20) RU106)



(PEAK, Channel 165, 802.11ax (HEW20) RU106)



## 2.9. Radiated Emission

### 2.9.1. Requirement

The peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (3) For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

The following formula is used to convert the equipment isotropic radiated power(e.i.r.p.) to field strength (dBμV/m);

$$E = 1000000 \times \sqrt{30P} / 3 \mu\text{V/m}$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz = 68.23 dBuV/m

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. 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 (μV/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                        |

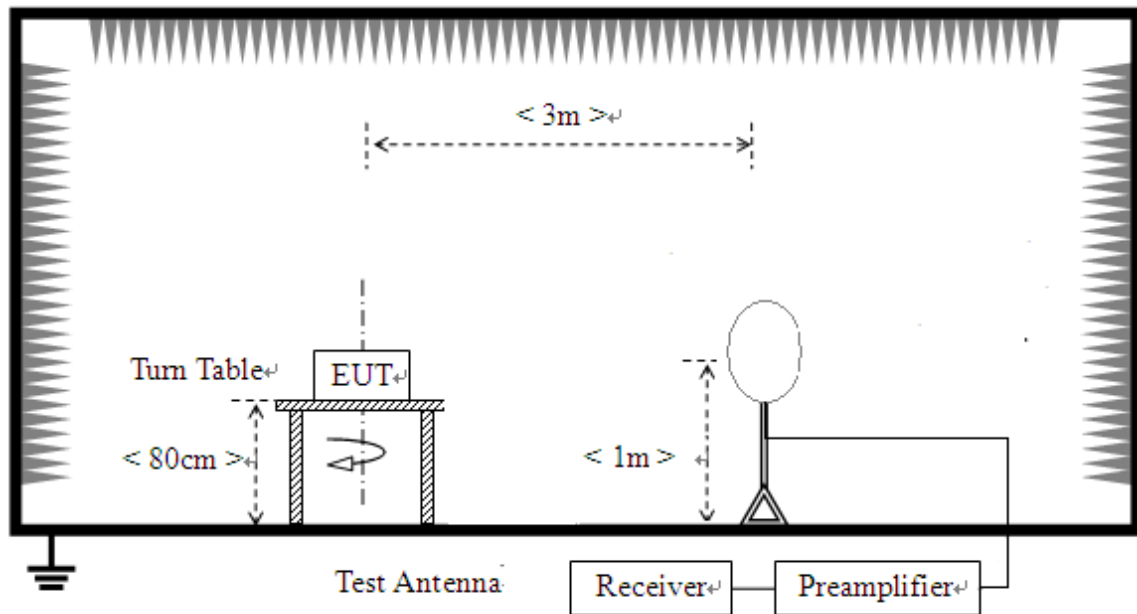


For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit. In addition, radiated emissions which fall in 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).

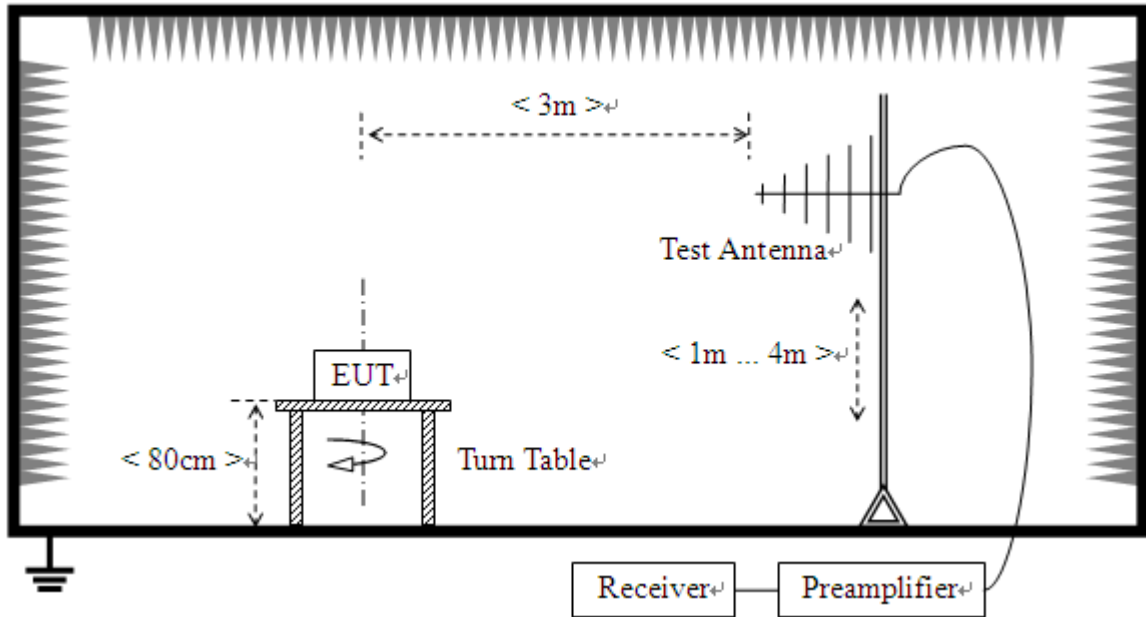
### 2.9.2. Test Description

#### Test Setup:

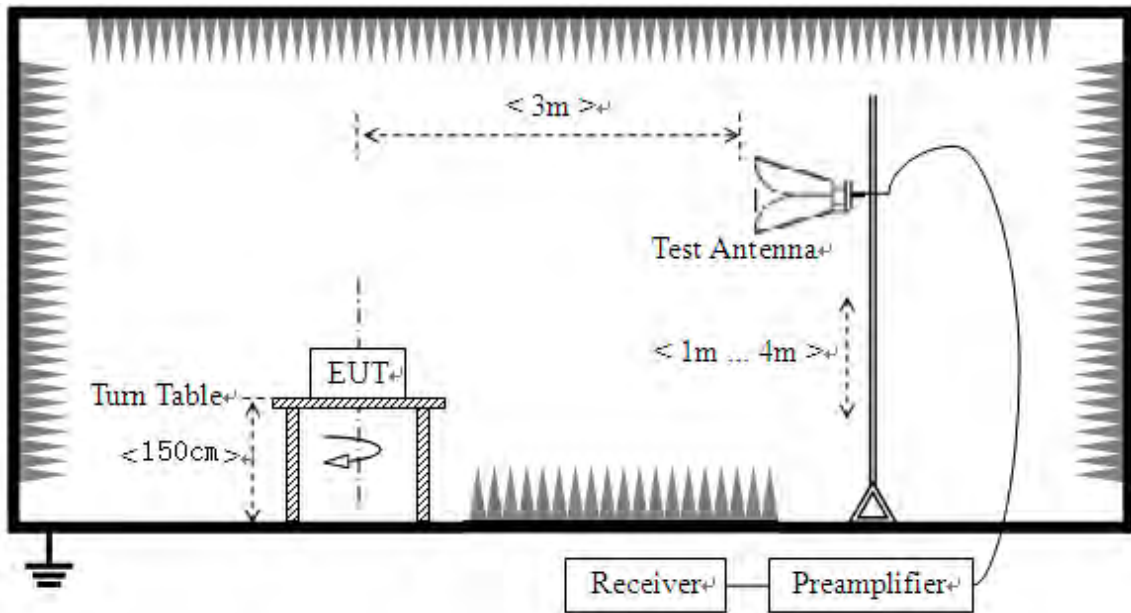
- 1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



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 a quasi-peak measurement (or average).

The measurement results are obtained as below:

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

$A_T$ : 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.

**Note 1:** 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.

**Note 2:** 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.

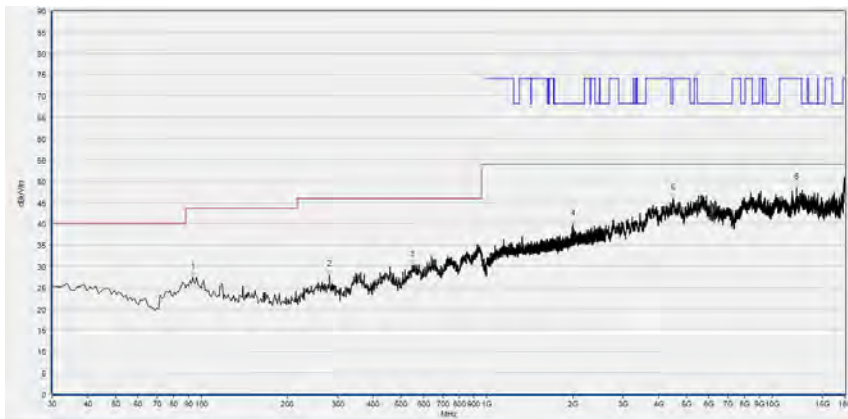
**Note 3:** For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

**Note 4:** All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.



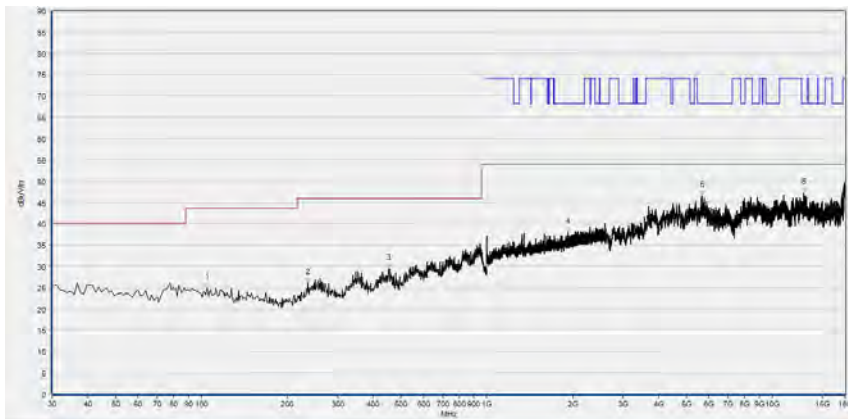
802.11a Mode

Plot for Channel 36



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 93.113     | 27.52       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 281.481    | 27.96       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 548.498    | 30.26       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1998.199   | 39.95       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 4488.418   | 45.93       | N/A         | 32.76       | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 12156.071  | 48.43       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

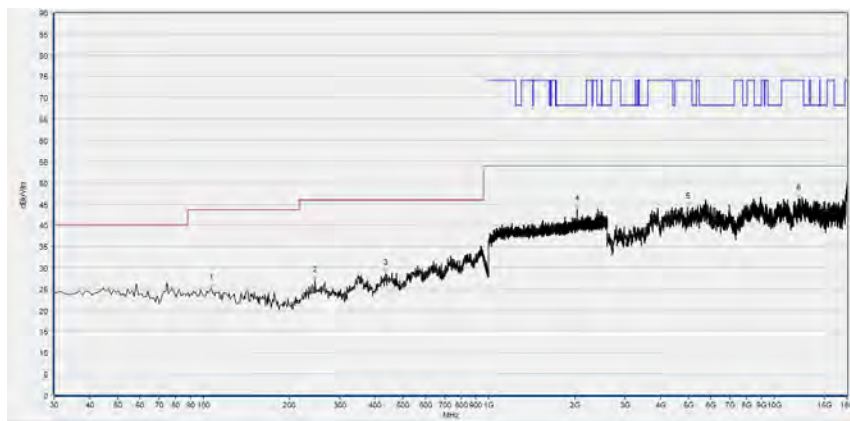
(Antenna Horizontal, 30MHz to 18GHz)



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 104.765    | 24.92       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 235.846    | 26.20       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 452.372    | 29.49       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1928.843   | 38.06       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5671.374   | 46.62       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 12886.177  | 47.23       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

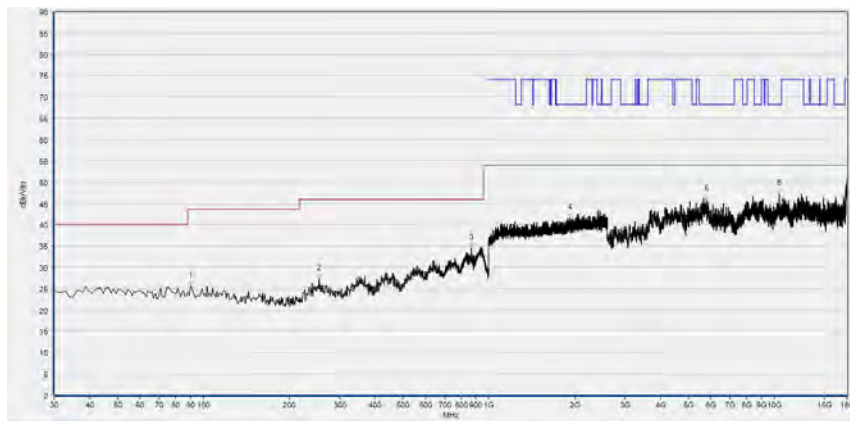
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 106.707    | 25.12       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 246.527    | 27.04       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 435.866    | 28.67       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2039.813   | 43.70       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 4965.913   | 44.22       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12146.829  | 46.28       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

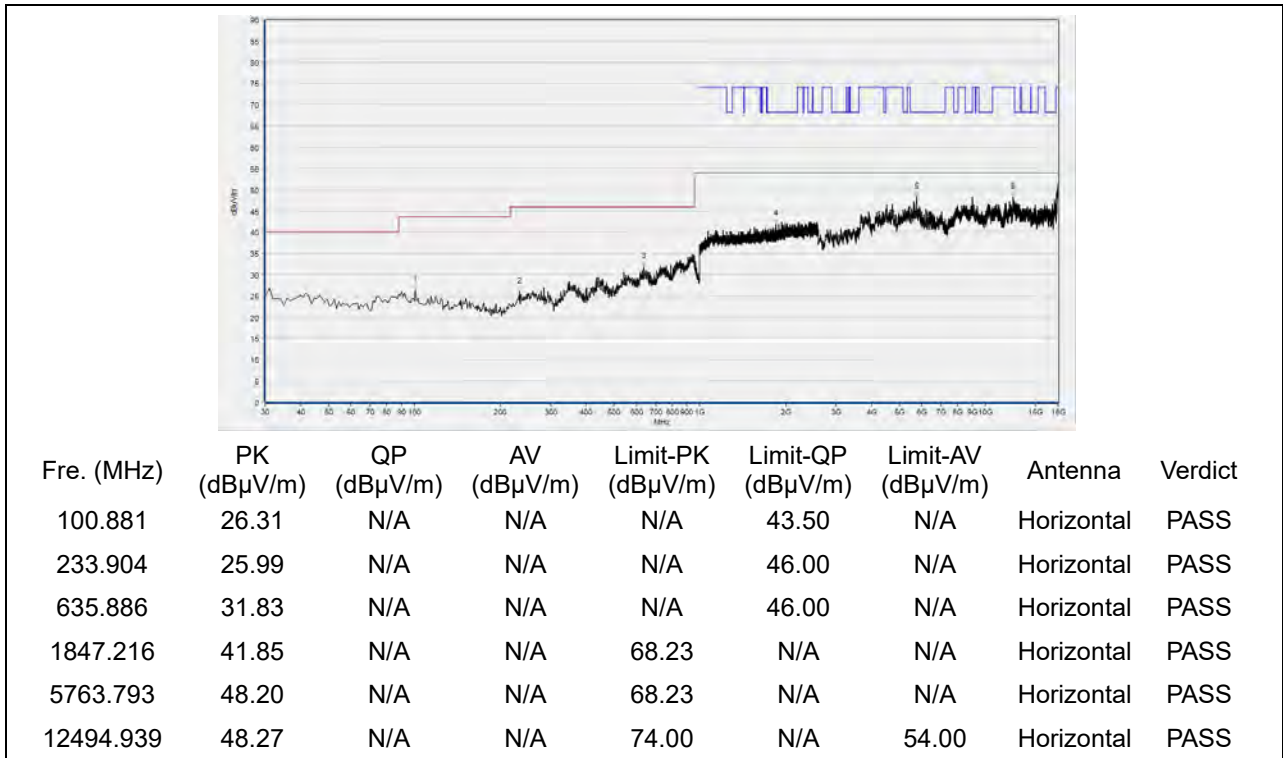
(Antenna Horizontal, 30MHz to 18GHz)



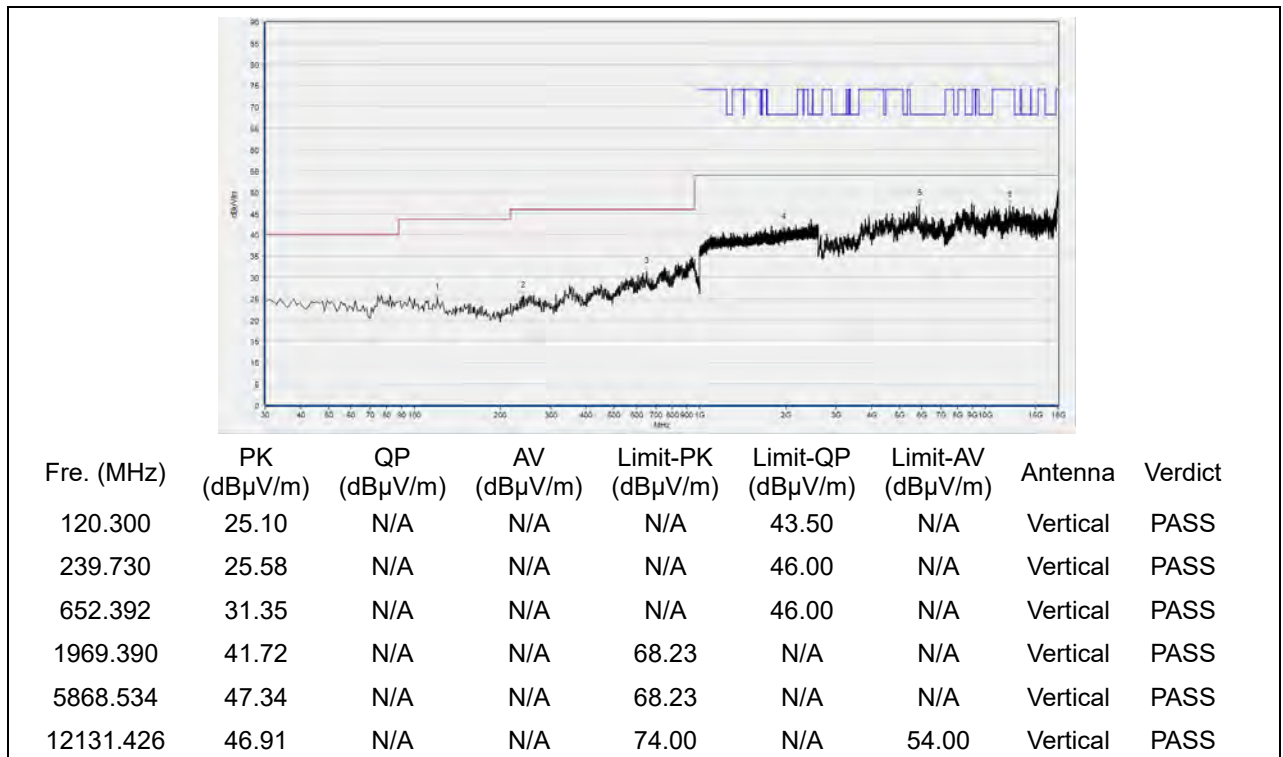
| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 90.200     | 25.64       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 254.294    | 27.33       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 866.977    | 34.57       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1924.575   | 41.53       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5769.954   | 45.84       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 10434.007  | 47.18       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48



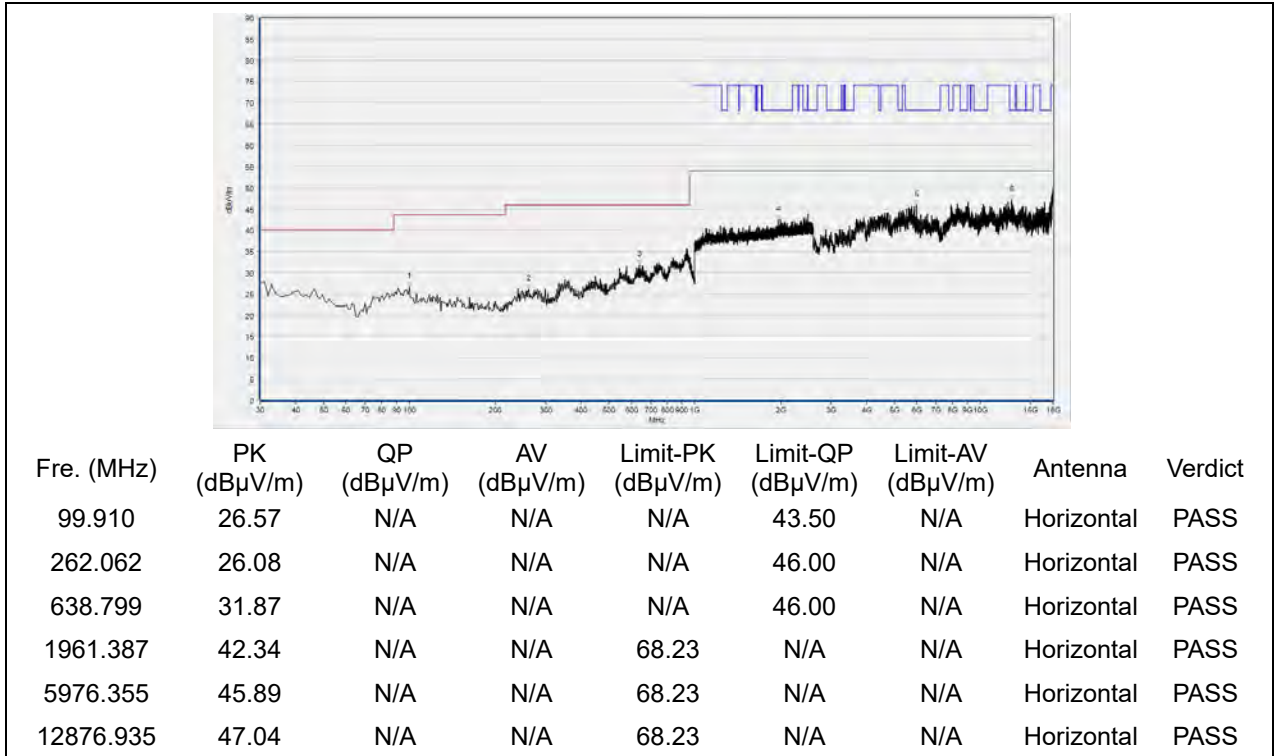
(Antenna Horizontal, 30MHz to 18GHz)



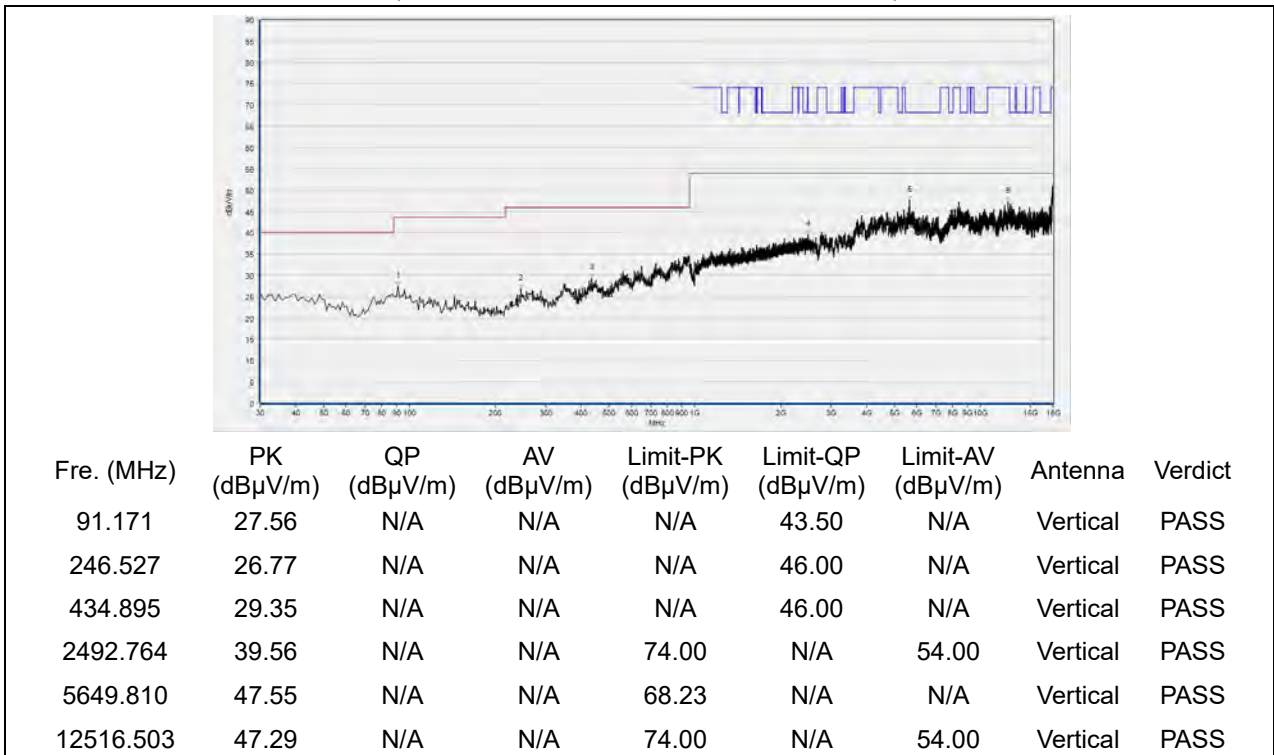
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 52



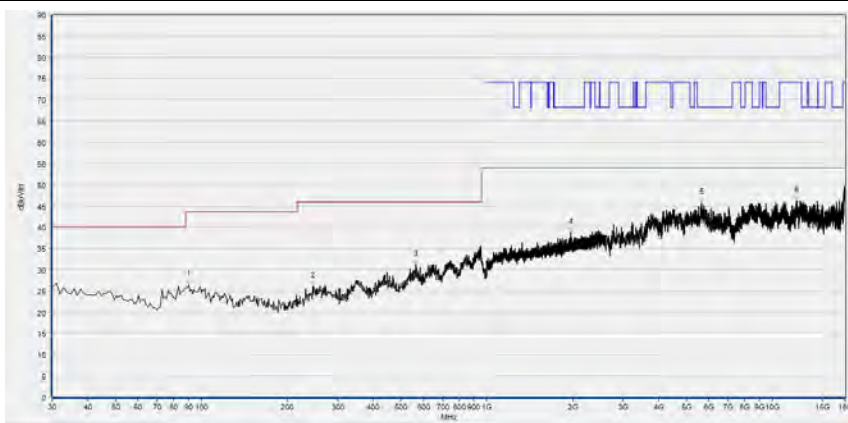
(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

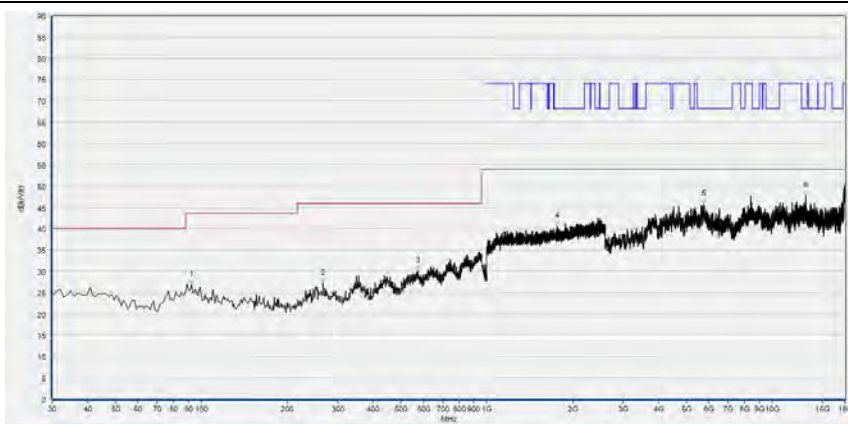


Plot for Channel 60



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 90.200     | 26.41       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 245.556    | 26.21       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 564.034    | 31.11       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1963.521   | 38.78       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5659.052   | 45.71       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 12156.071  | 46.20       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

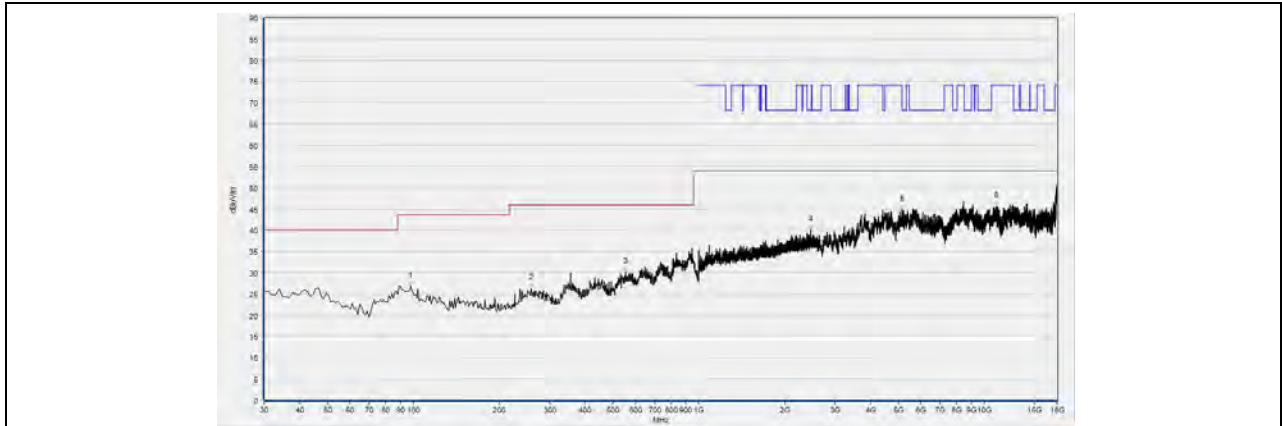
(Antenna Horizontal, 30MHz to 18GHz)



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 92.142     | 26.79       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 266.917    | 27.15       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 573.744    | 30.05       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1762.921   | 40.51       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5754.551   | 45.73       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 13080.256  | 47.83       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

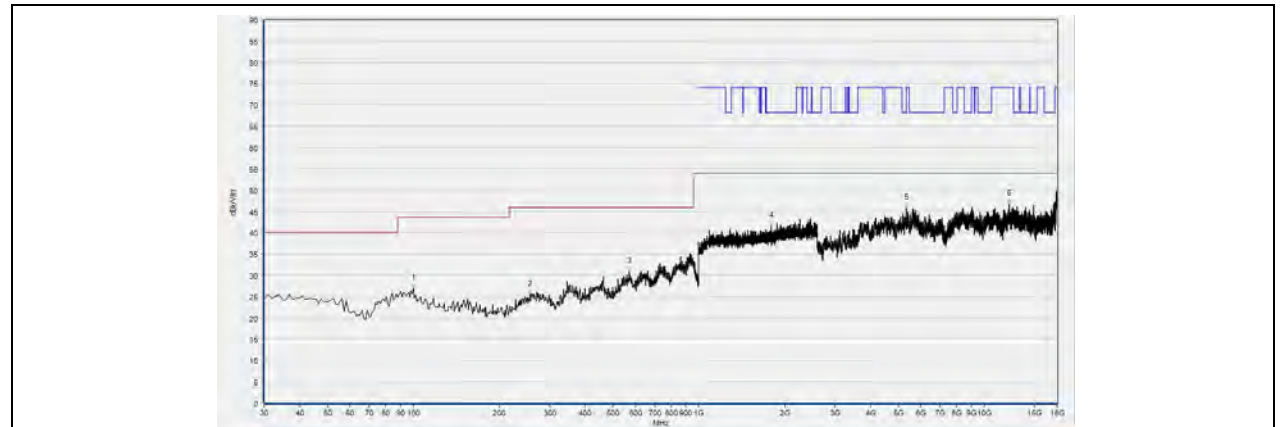
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 64



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 97.968     | 26.78       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 259.149    | 26.23       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 555.295    | 30.13       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2460.754   | 40.03       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5166.153   | 44.75       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 10997.760  | 45.60       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

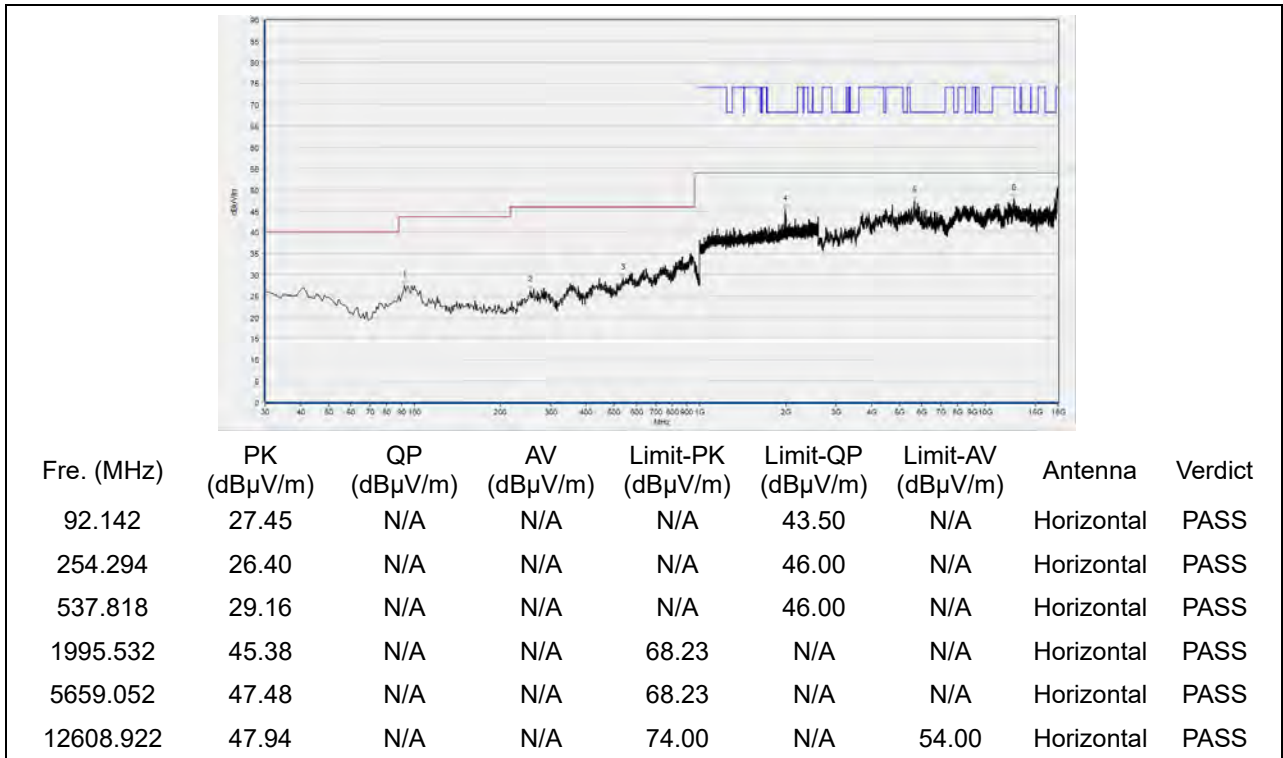
(Antenna Horizontal, 30MHz to 18GHz)



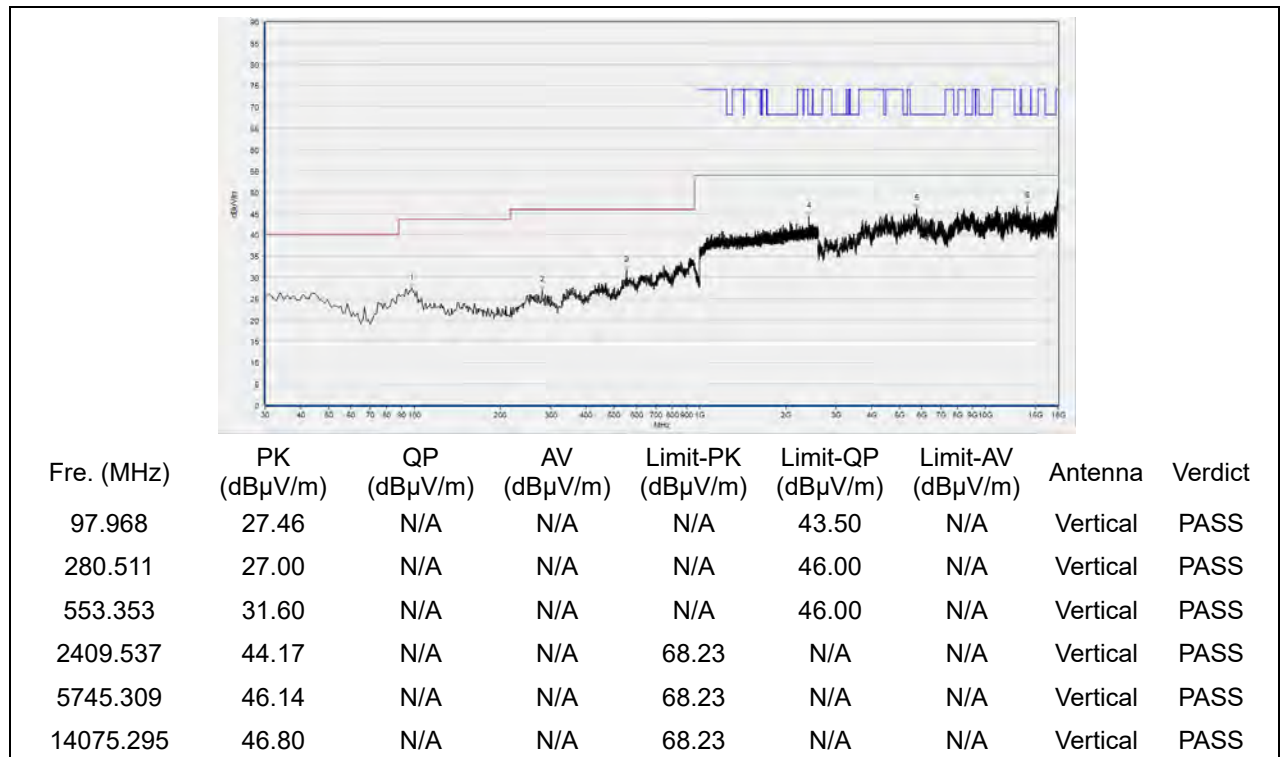
| Fre. (MHz) | PK (dBµV/m) | QP (dBµV/m) | AV (dBµV/m) | Limit-PK (dBµV/m) | Limit-QP (dBµV/m) | Limit-AV (dBµV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 99.910     | 27.02       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 256.236    | 25.50       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 569.860    | 30.80       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1798.133   | 41.56       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5332.507   | 45.70       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 12205.361  | 46.83       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149

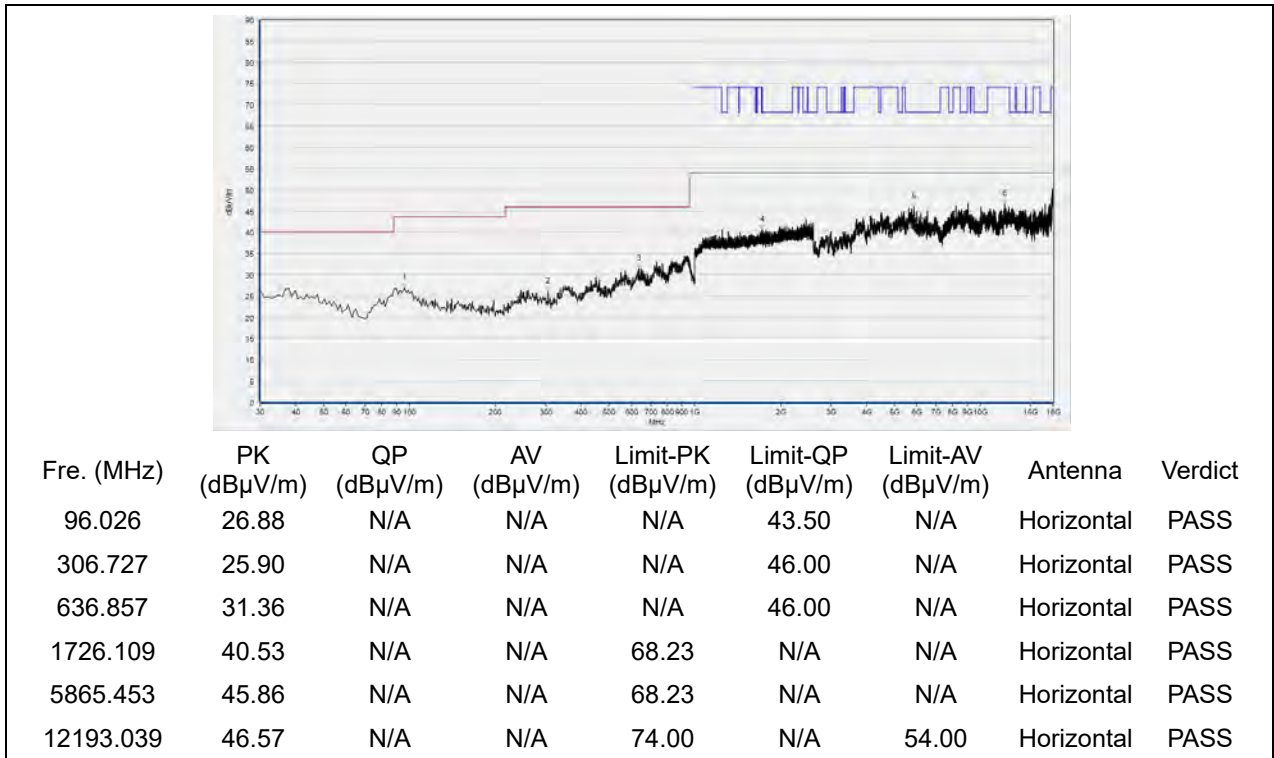


(Antenna Horizontal, 30MHz to 18GHz)

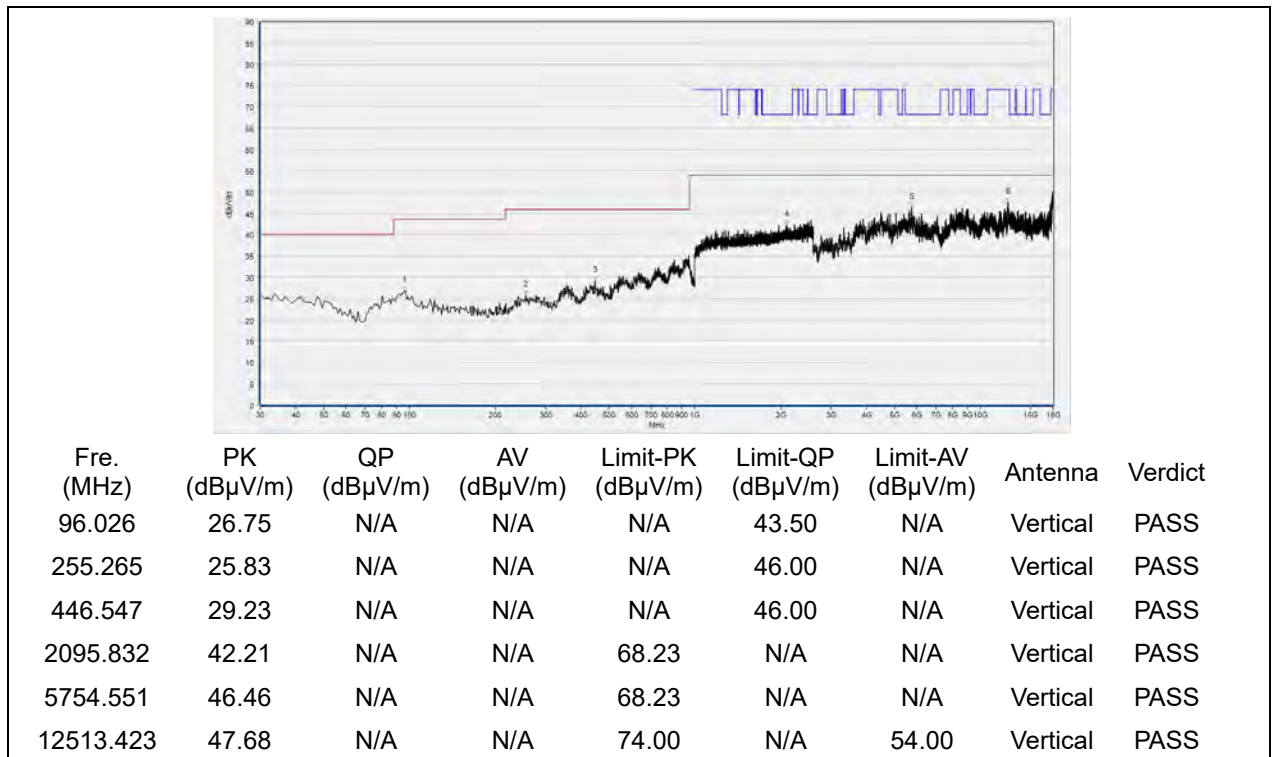


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157

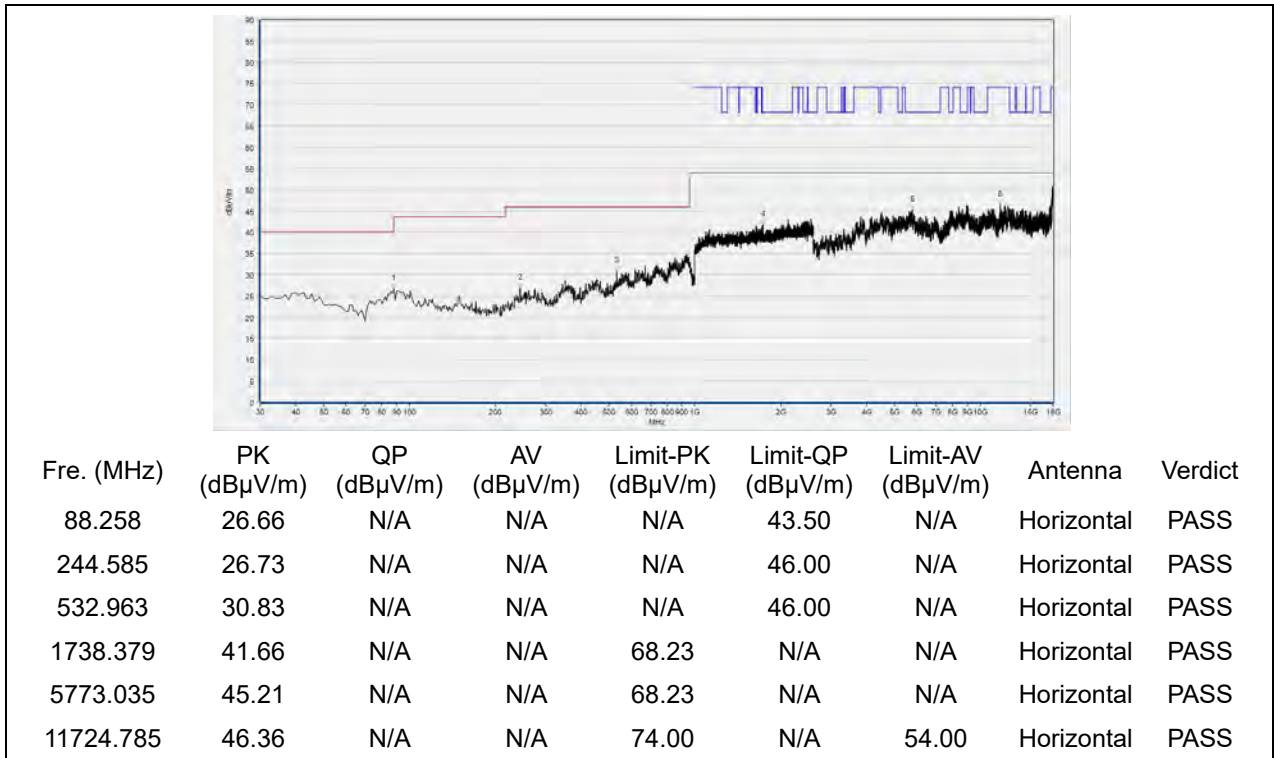


(Antenna Horizontal, 30MHz to 18GHz)

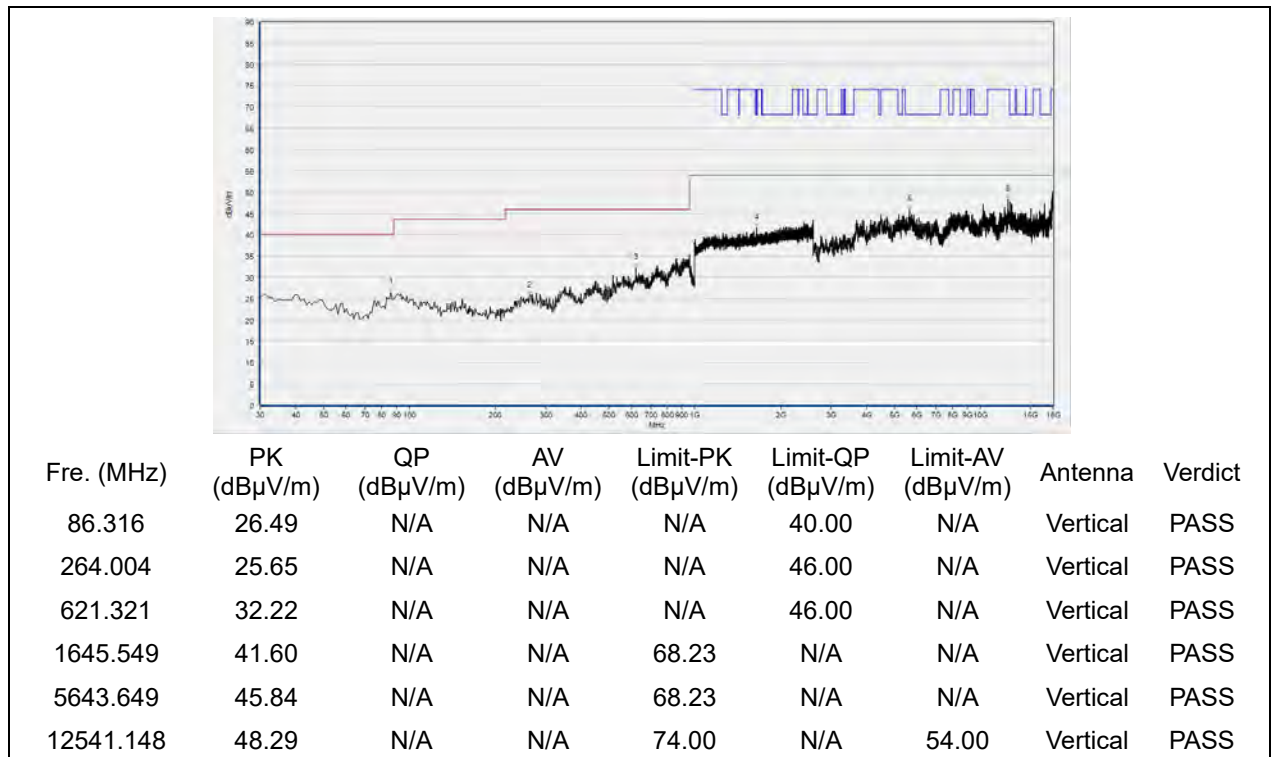


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



(Antenna Horizontal, 30MHz to 18GHz)

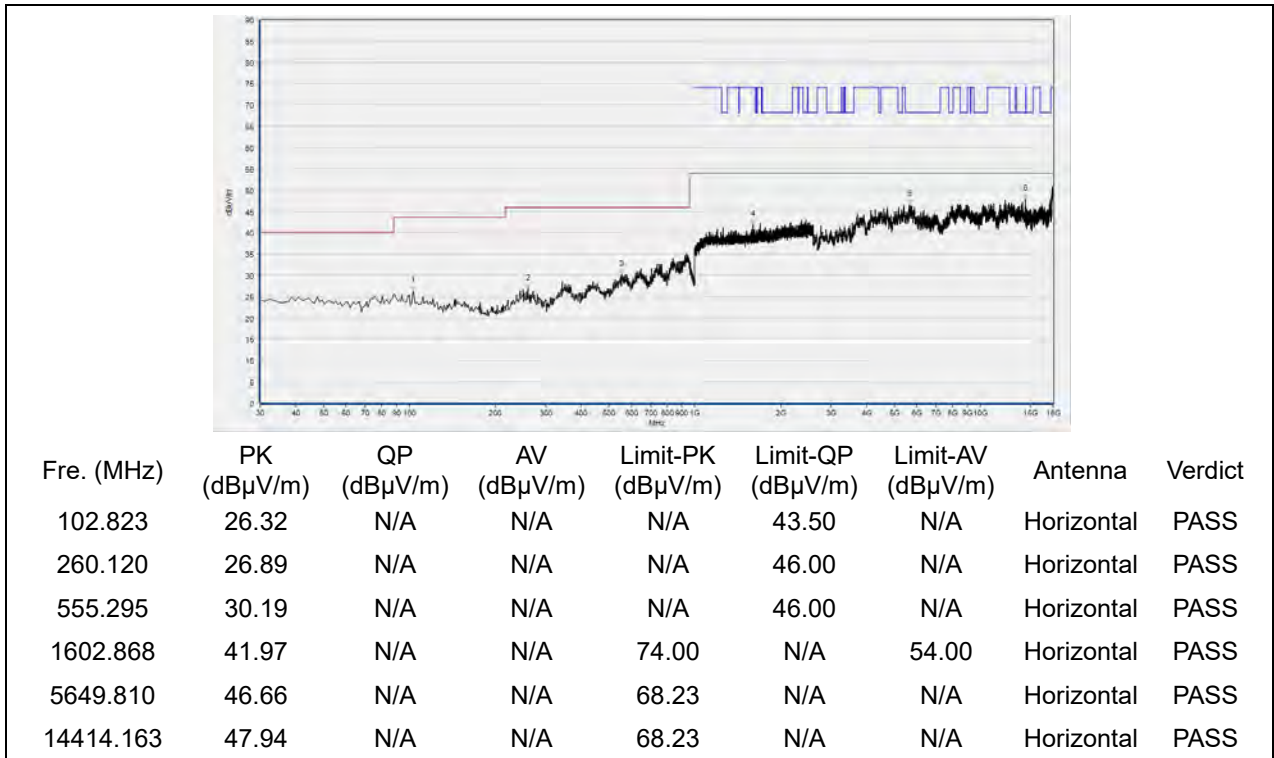


(Antenna Vertical, 30MHz to 18GHz)

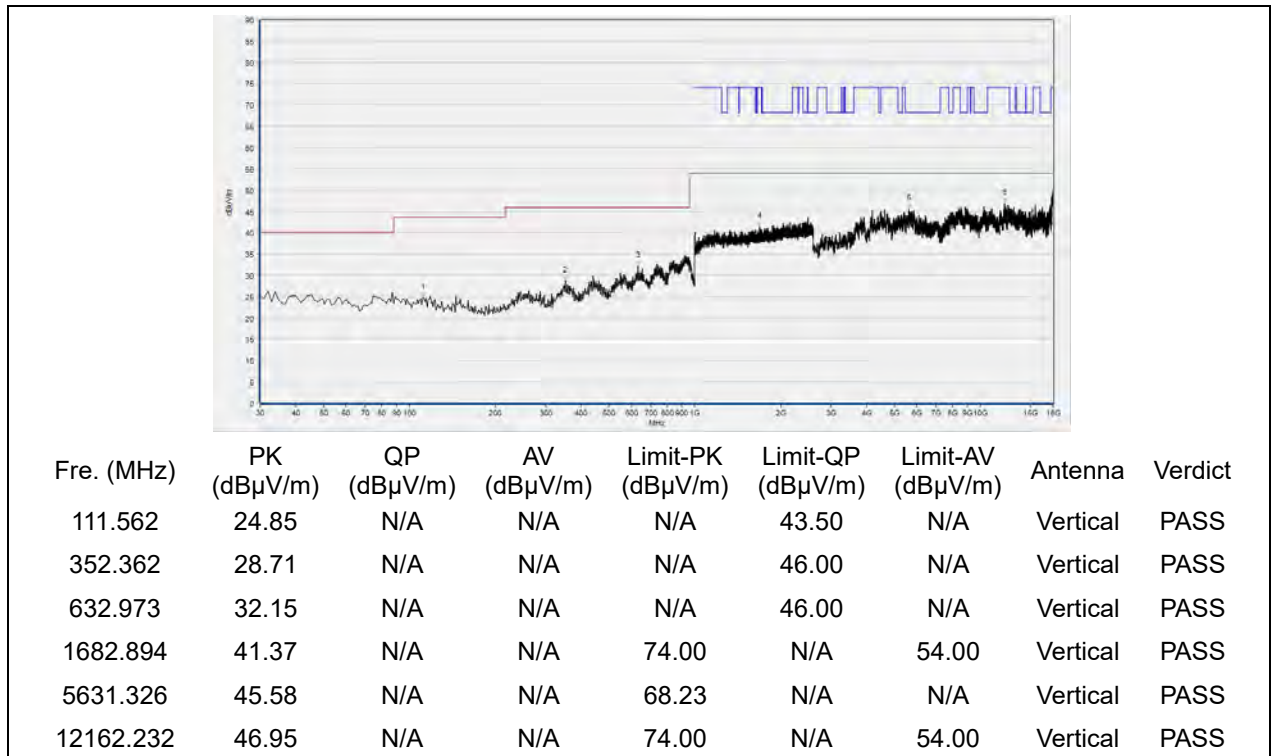


**802.11n (HT40) mode**

**Plot for Channel 38**

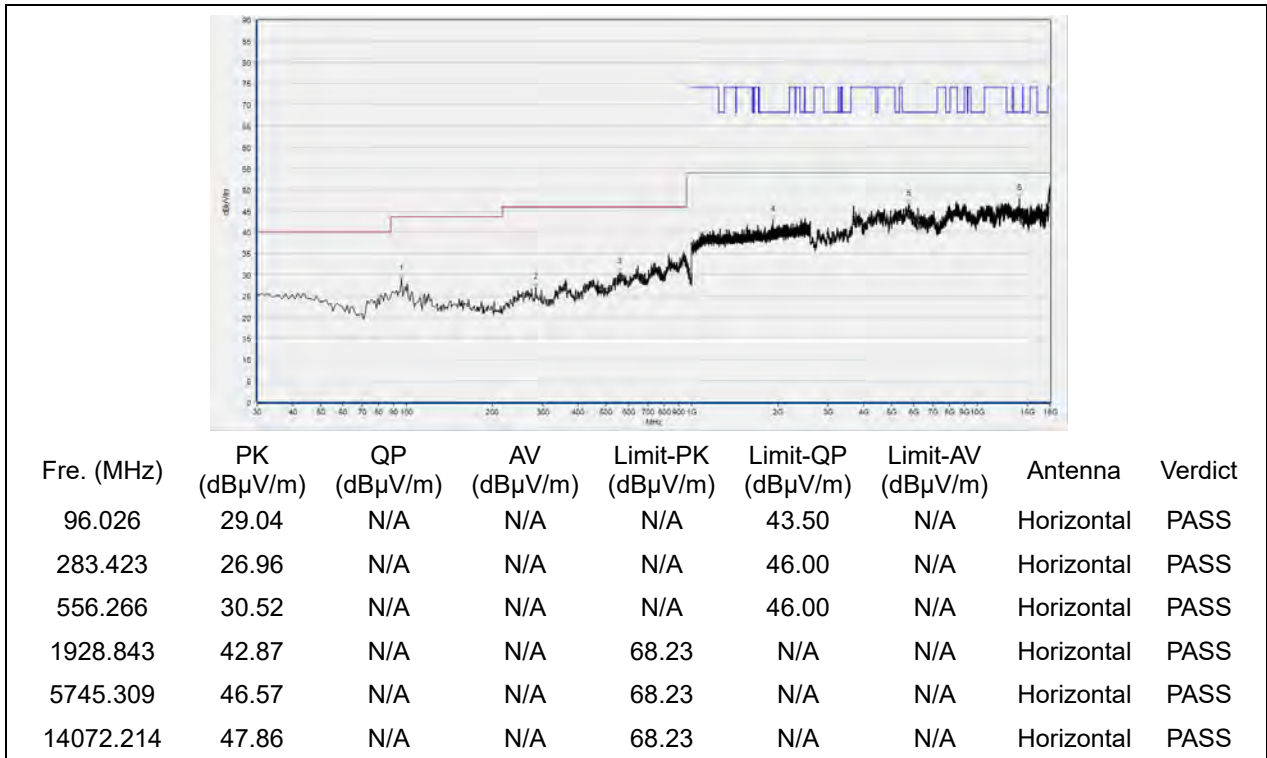


(Antenna Horizontal, 30MHz to 18GHz)

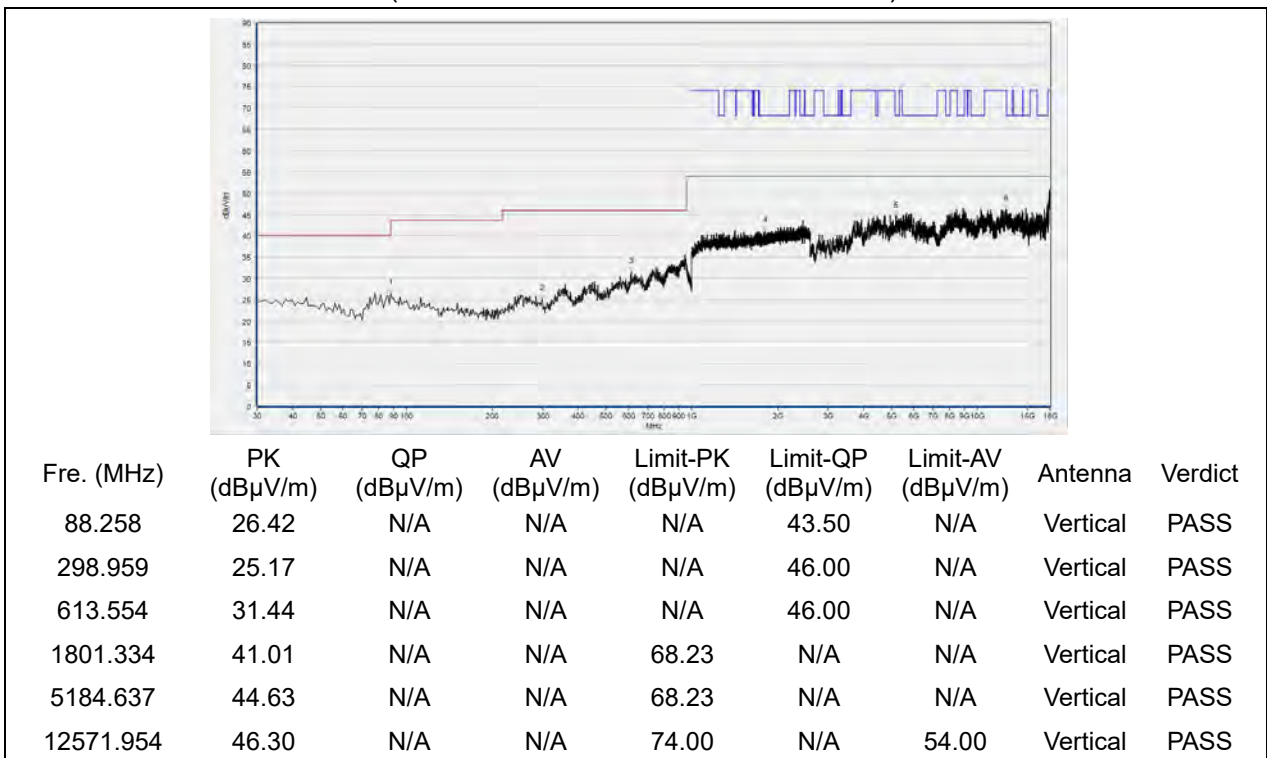


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 46



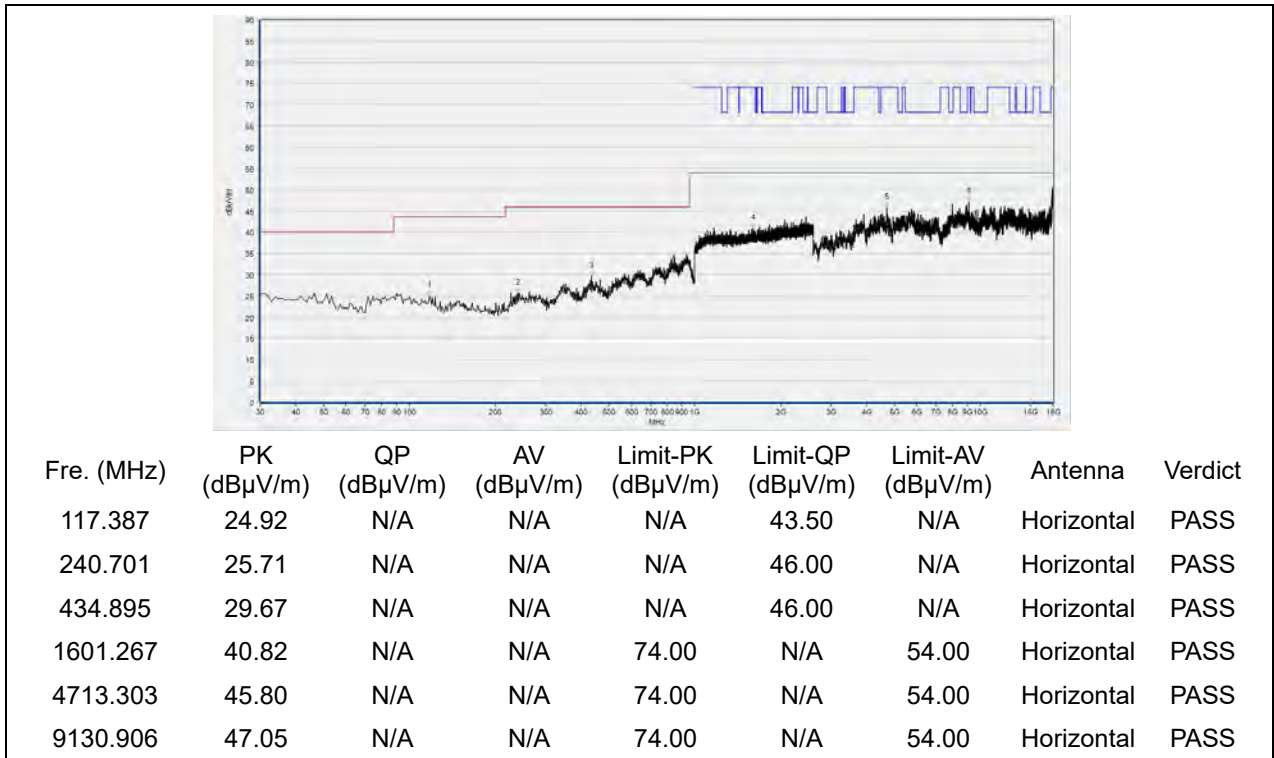
(Antenna Horizontal, 30MHz to 18GHz)



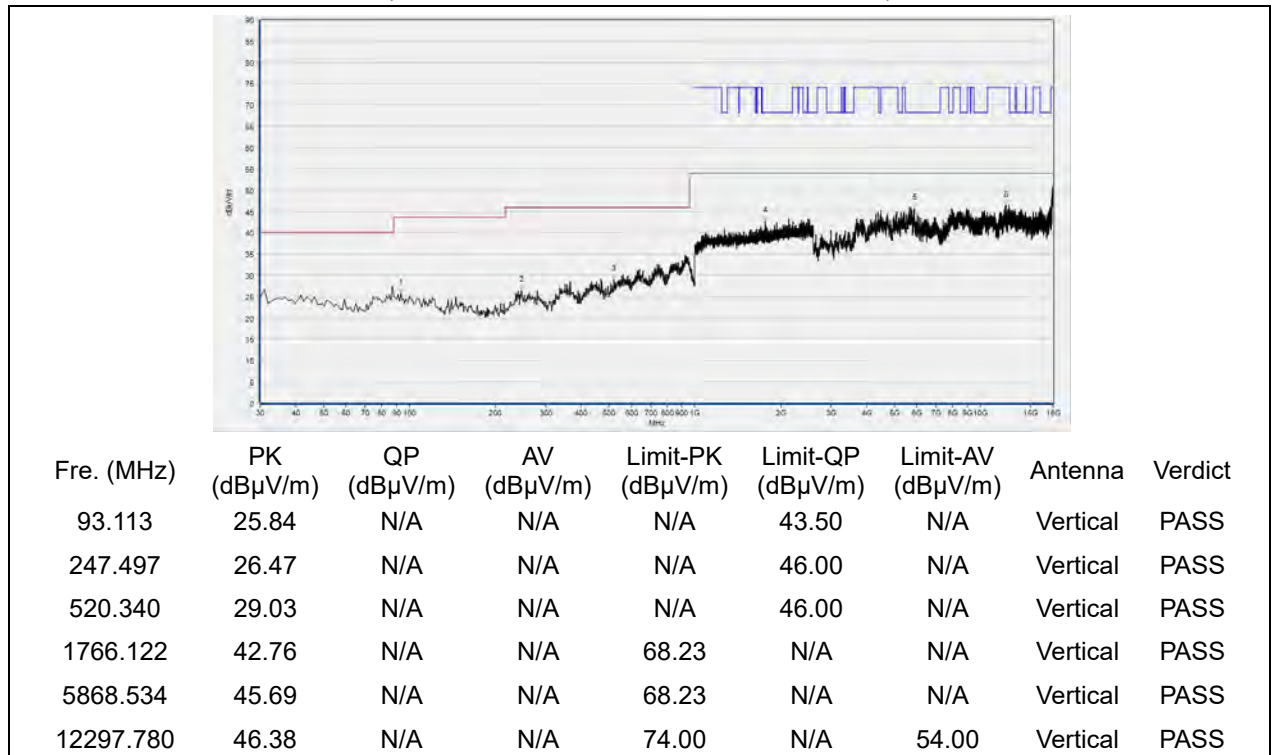
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 54

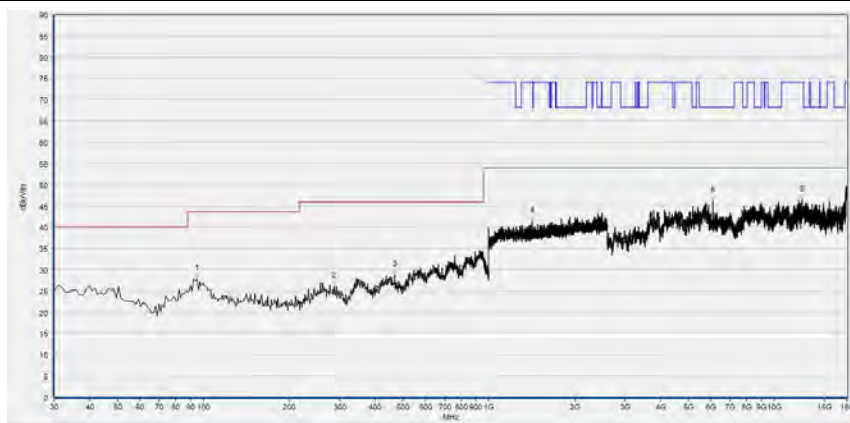


(Antenna Horizontal, 30MHz to 18GHz)



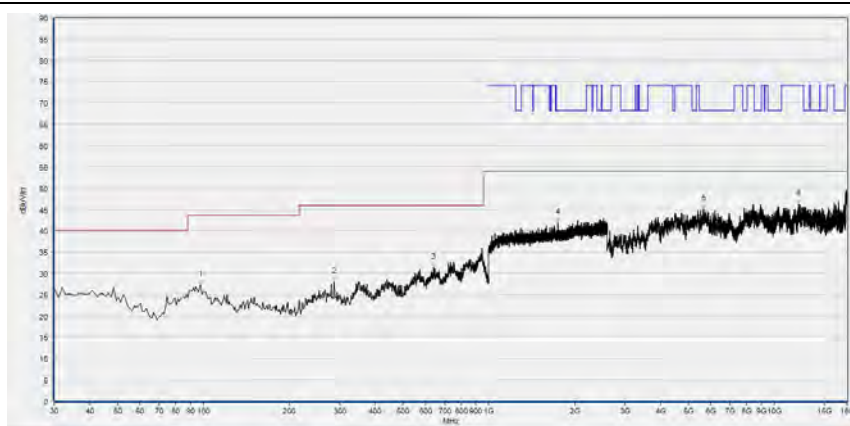
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 62



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 95.055     | 27.75       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 287.307    | 26.15       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 467.908    | 28.79       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1418.806   | 41.32       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 6078.016   | 46.24       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 12541.148  | 46.40       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

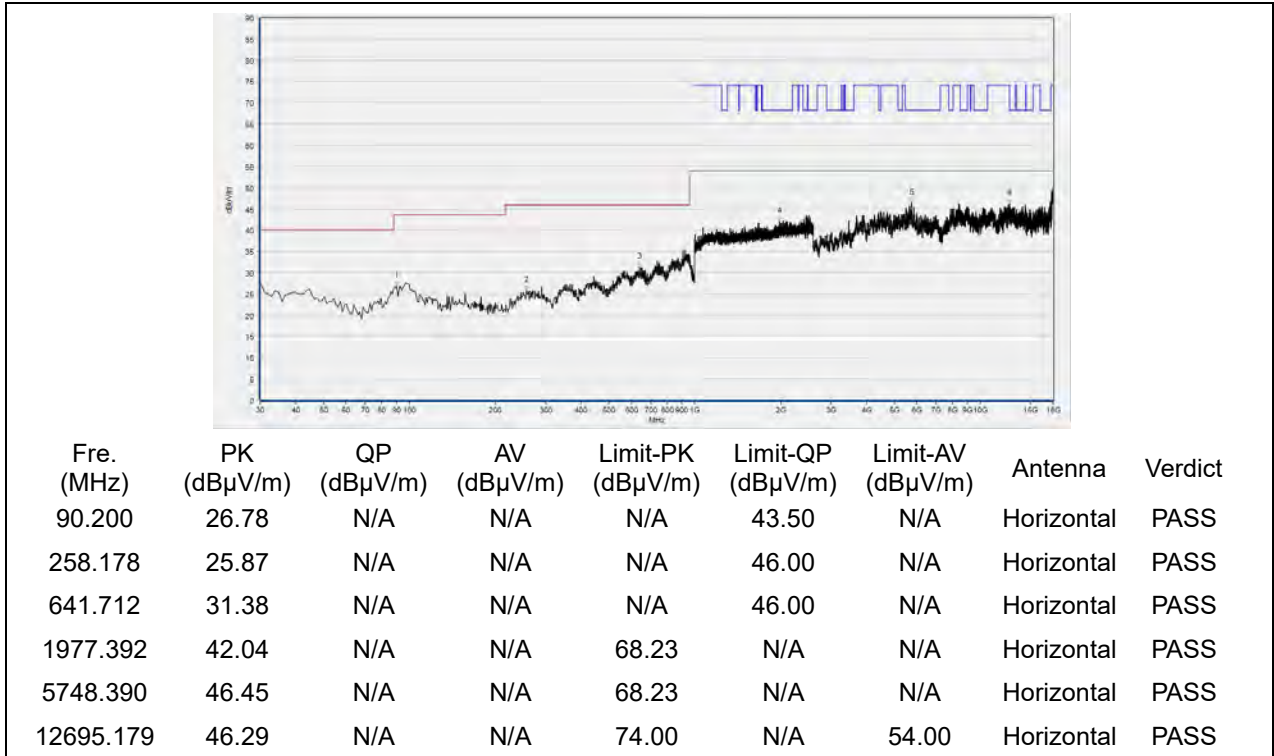
(Antenna Horizontal, 30MHz to 18GHz)



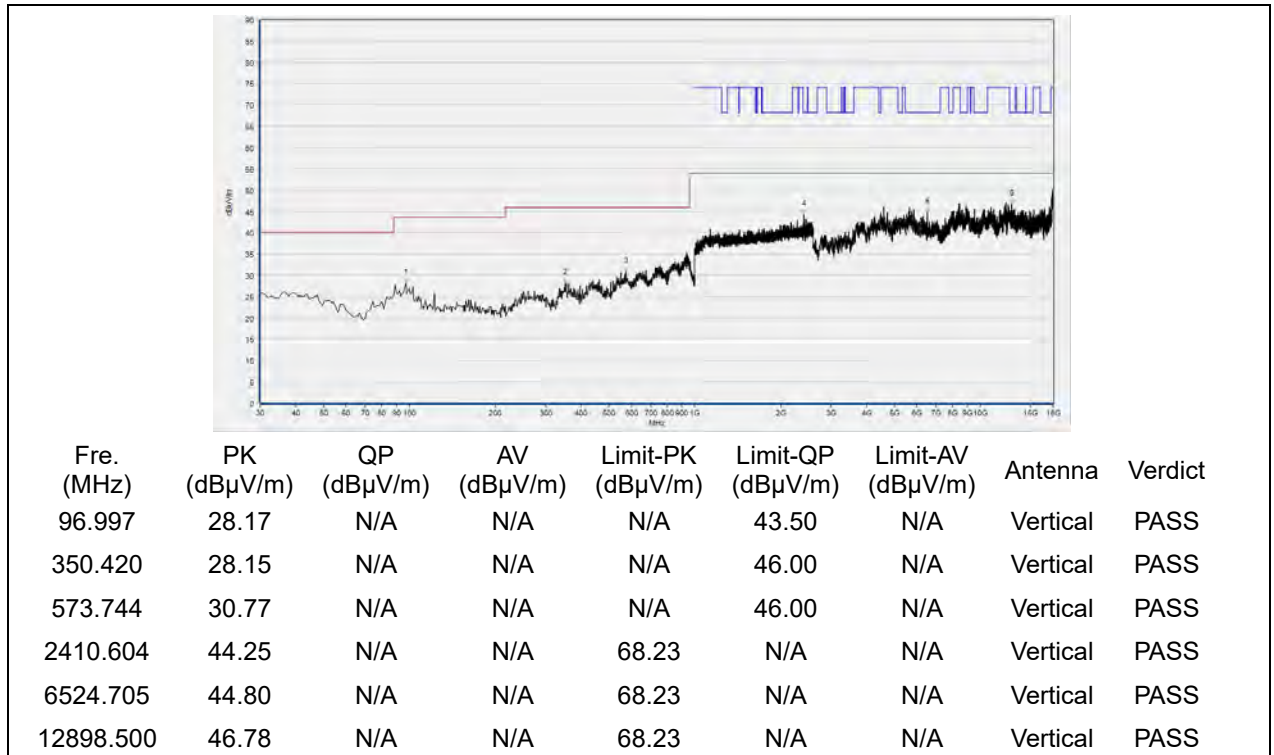
| Fre. (MHz) | PK (dBµV/m) | QP (dBµV/m) | AV (dBµV/m) | Limit-PK (dBµV/m) | Limit-QP (dBµV/m) | Limit-AV (dBµV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 97.968     | 27.40       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 287.307    | 27.99       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 641.712    | 31.39       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1749.050   | 41.84       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5655.971   | 45.15       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 12186.877  | 46.33       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151

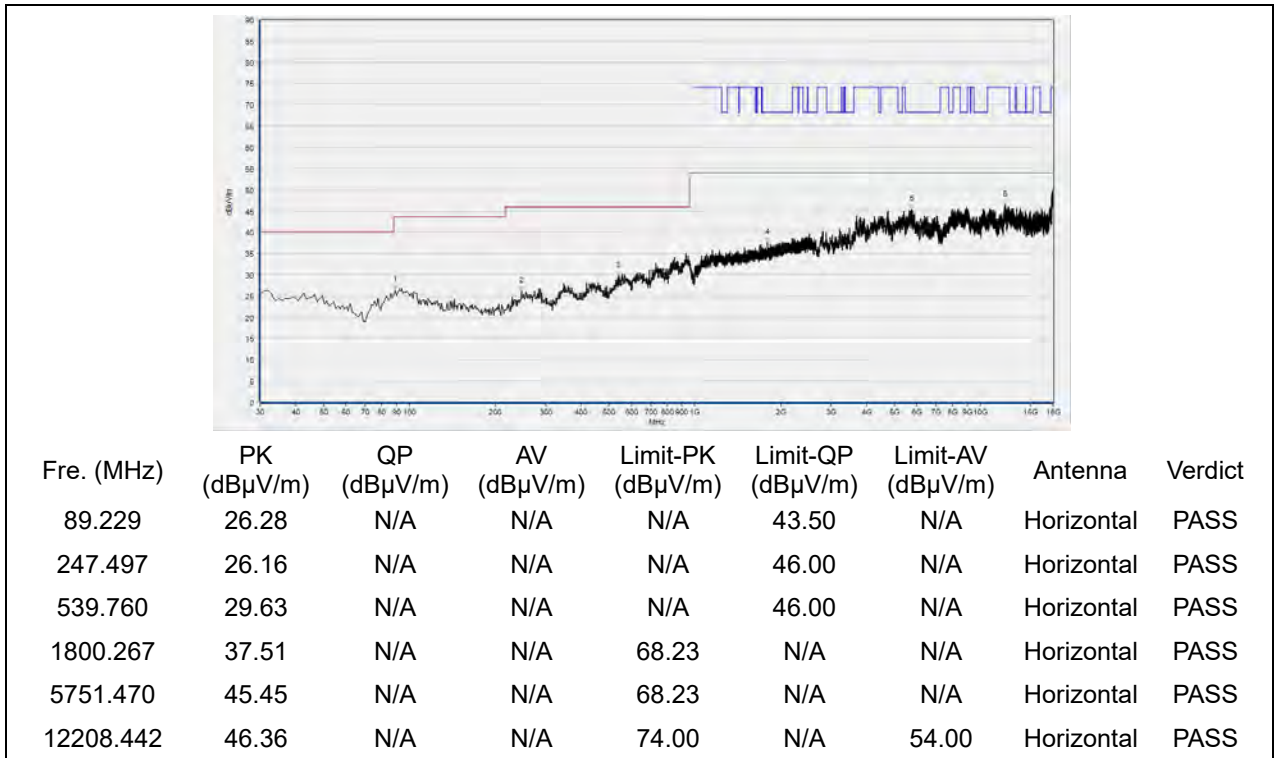


(Antenna Horizontal, 30MHz to 18GHz)

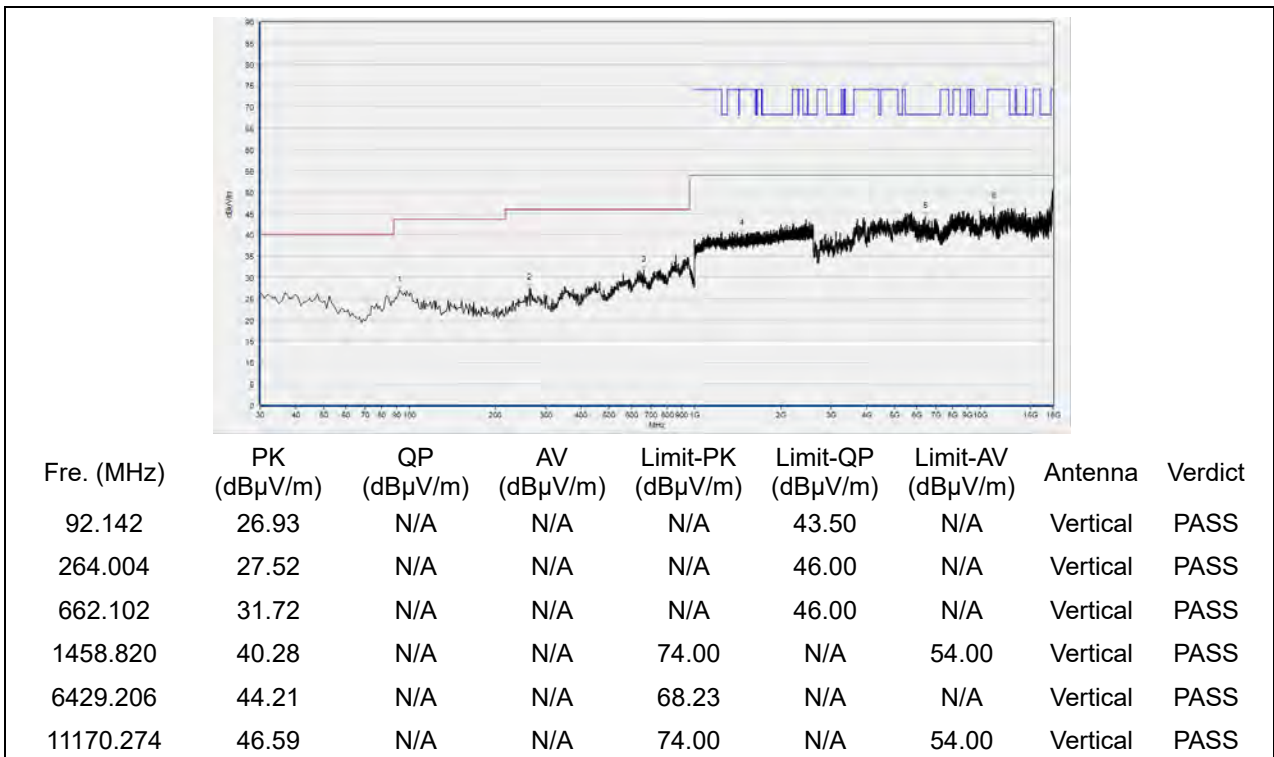


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 159



(Antenna Horizontal, 30MHz to 18GHz)

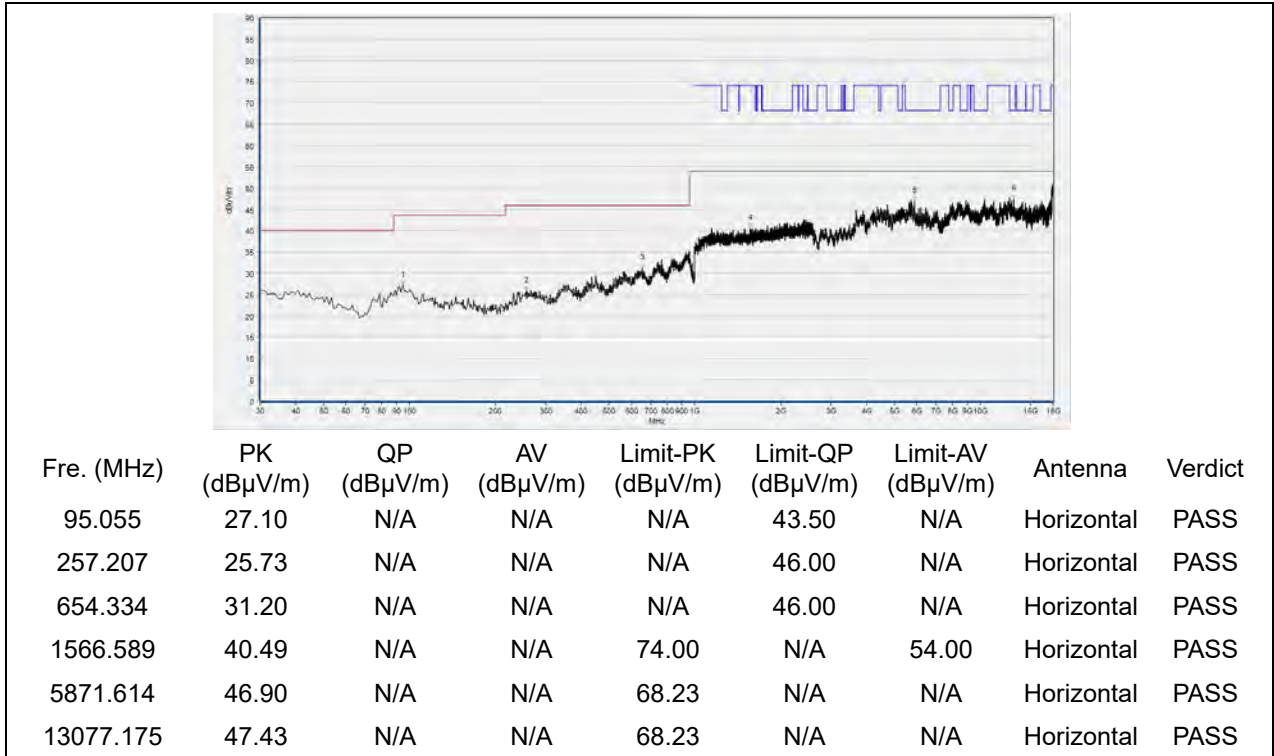


(Antenna Vertical, 30MHz to 18GHz)

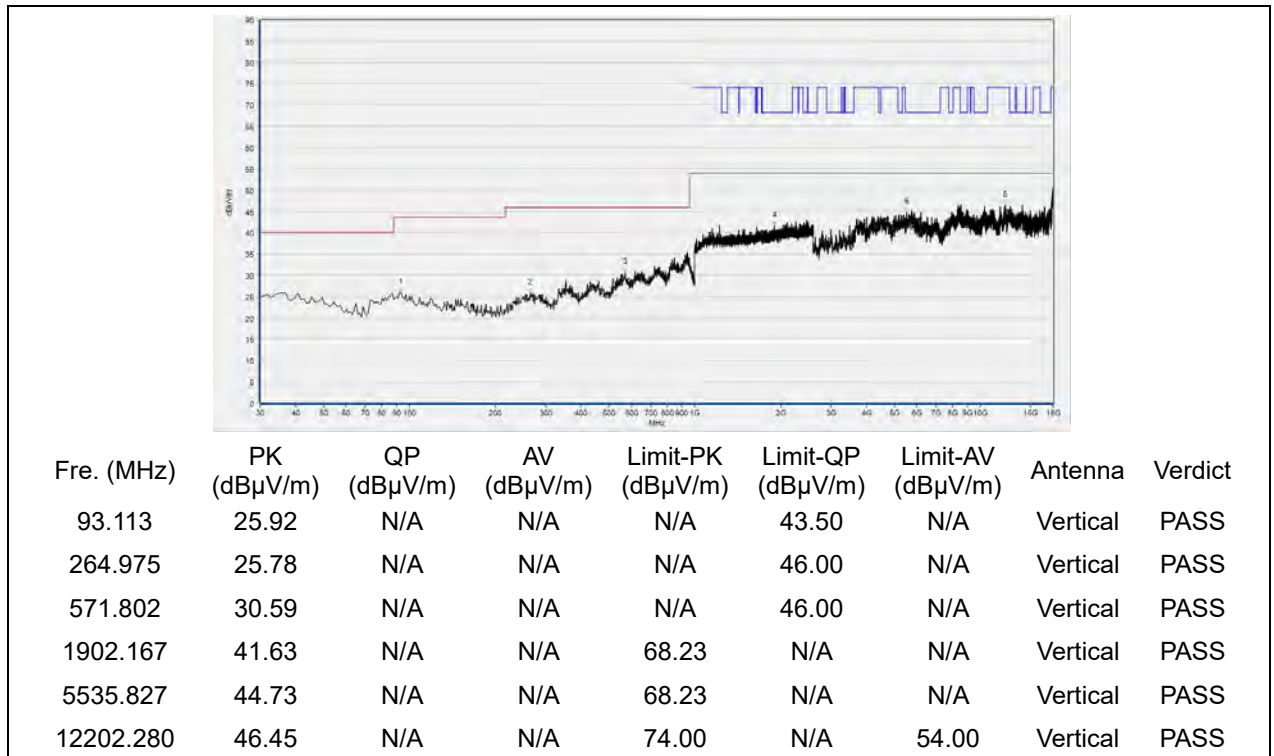


**802.11ac (VHT80) Mode**

Plot for Channel 42



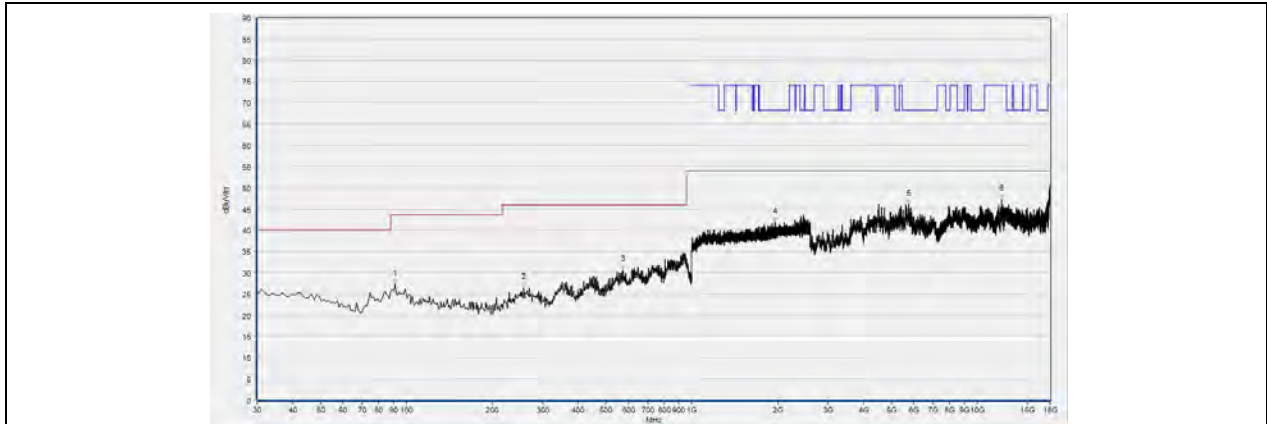
(Antenna Horizontal, 30MHz to 18GHz)



(Antenna Vertical, 30MHz to 18GHz)

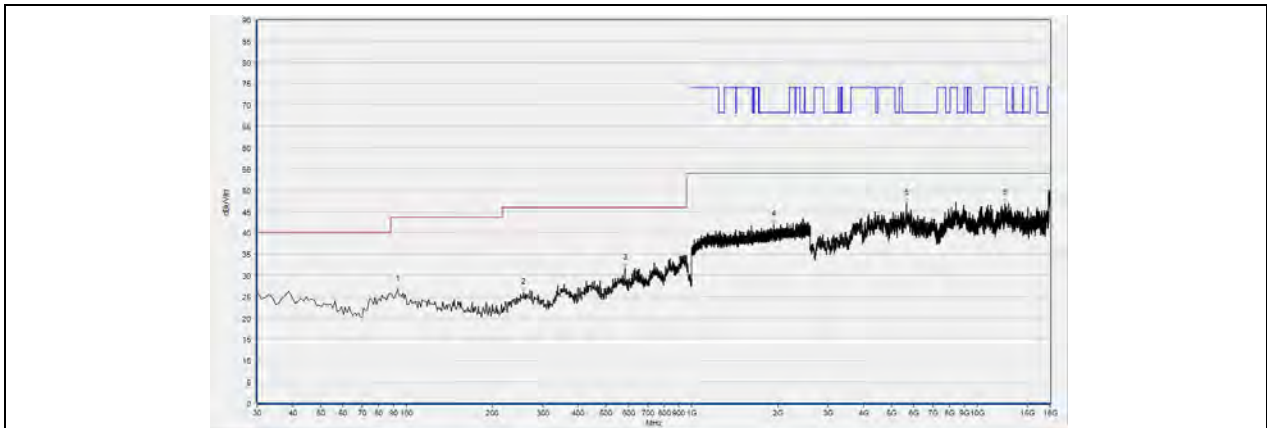


Plot for Channel 58



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 91.171     | 27.29       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 258.178    | 26.45       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 574.715    | 30.75       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1956.052   | 41.94       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5748.390   | 46.07       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 12149.910  | 47.21       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

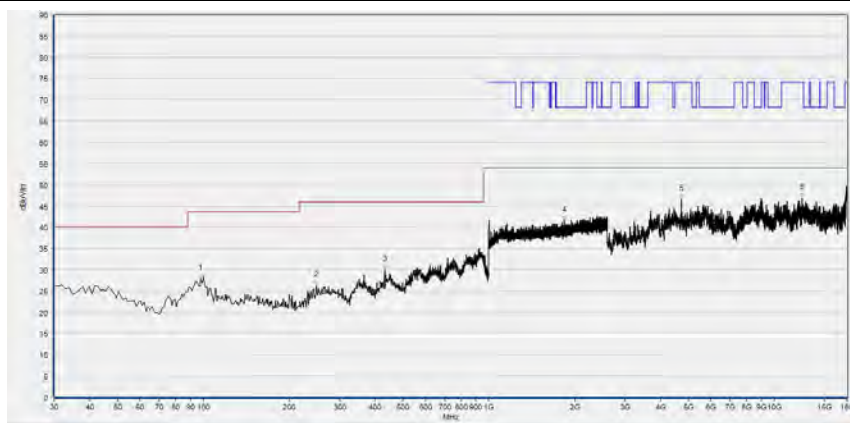
(Antenna Horizontal, 30MHz to 18GHz)



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 93.113     | 26.60       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 257.207    | 26.06       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 582.482    | 31.64       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1936.846   | 41.87       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5640.568   | 46.85       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 12485.697  | 46.96       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

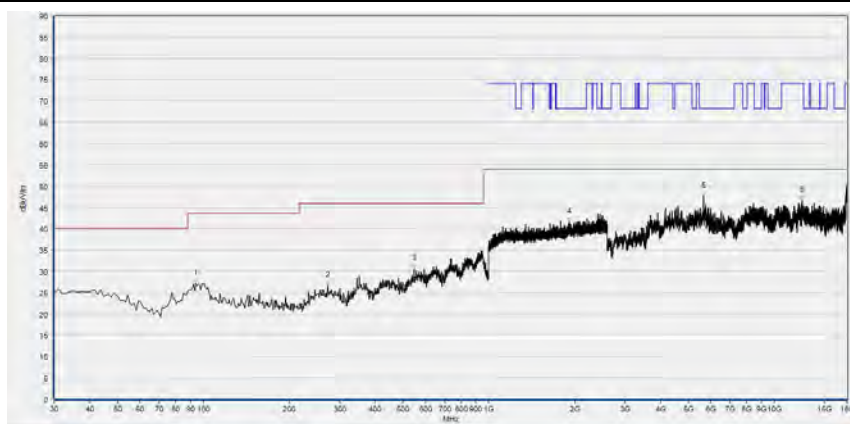
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 155



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 97.968     | 27.89       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 248.468    | 26.39       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 431.982    | 30.06       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1839.747   | 41.54       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 4731.786   | 46.58       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12519.584  | 46.88       | 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 94.084     | 27.09       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 272.743    | 26.67       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 547.528    | 30.46       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1912.838   | 41.56       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5655.971   | 47.57       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 12513.423  | 46.55       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

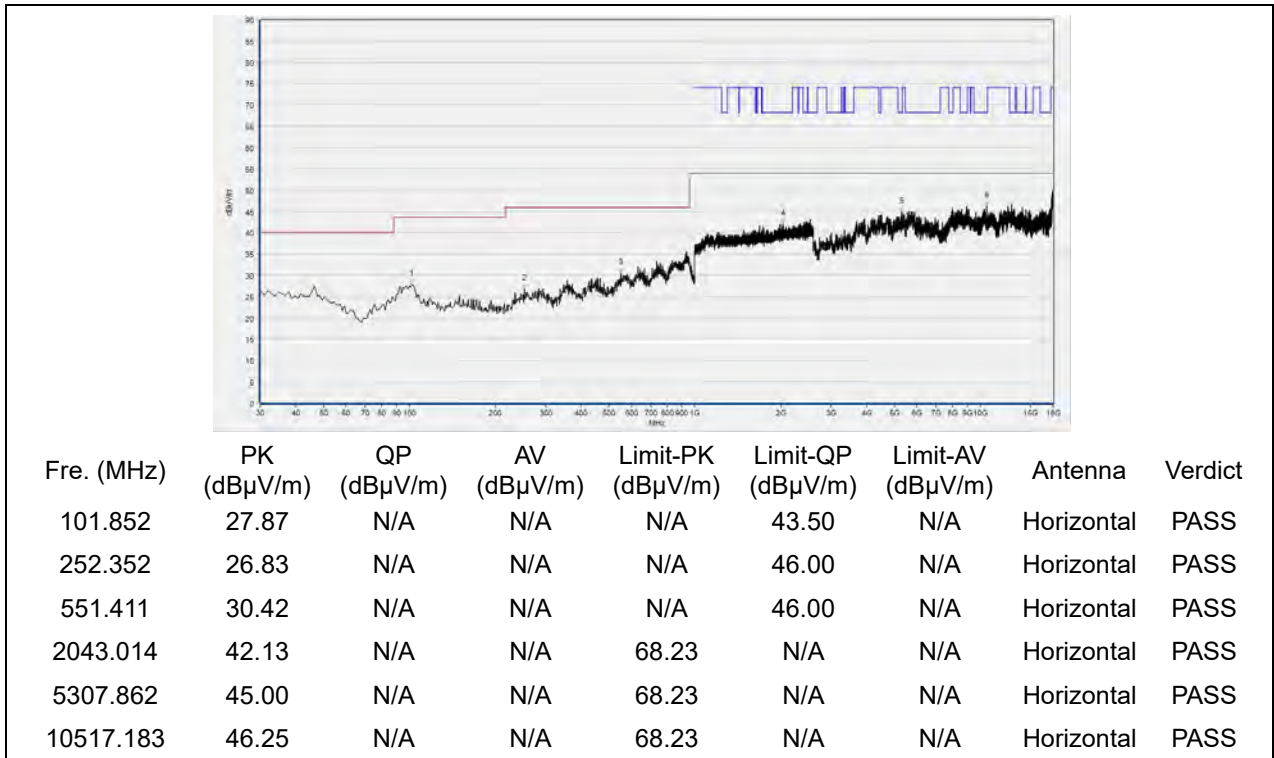
(Antenna Vertical, 30MHz to 18GHz)



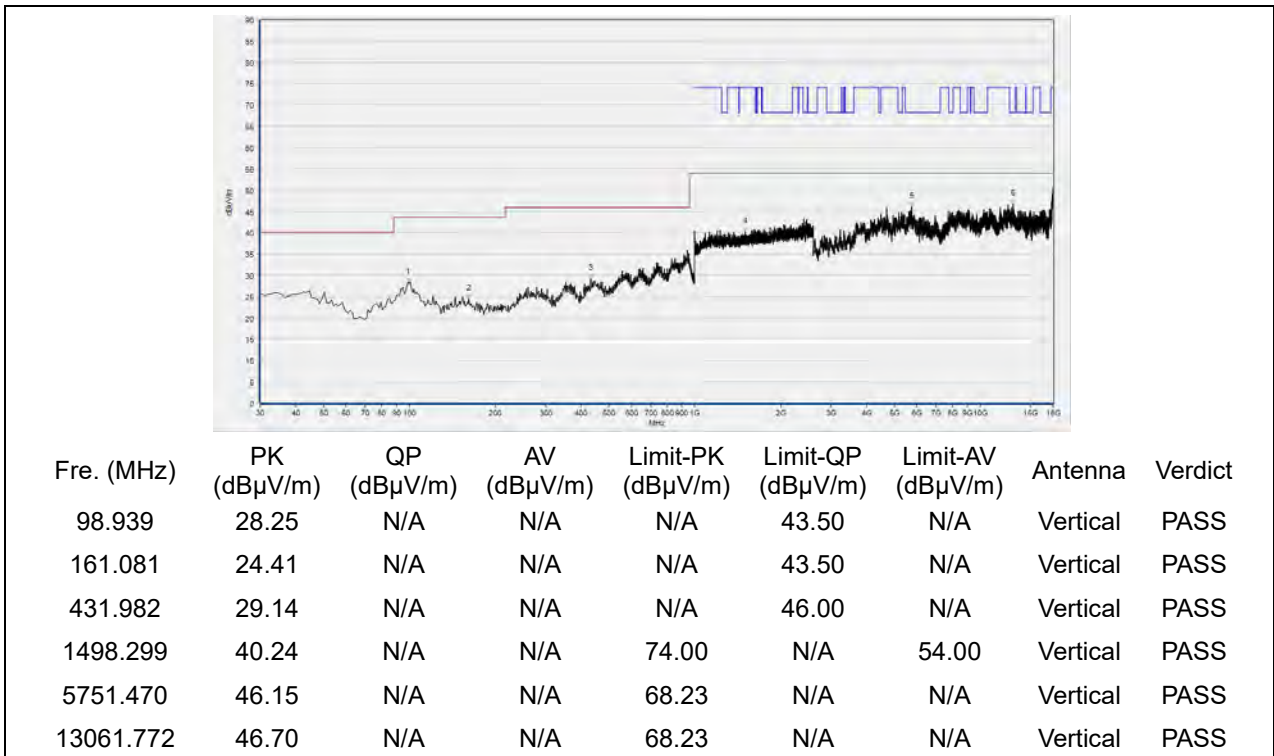


**802.11ax (HEW20) Mode**

Plot for Channel 36

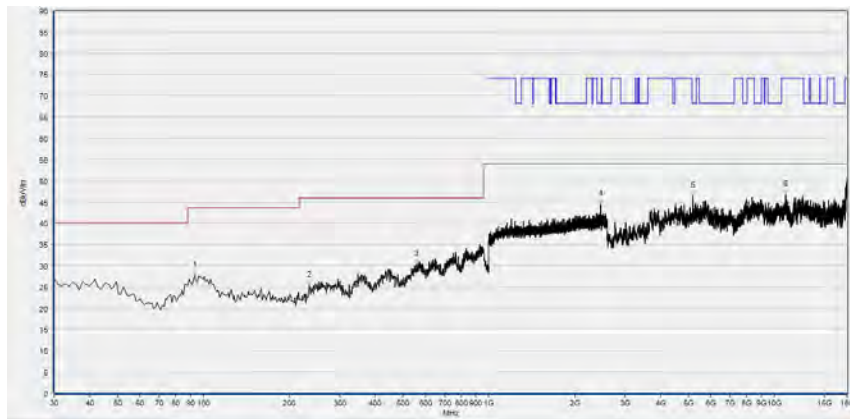


(Antenna Horizontal, 30MHz to 18GHz)



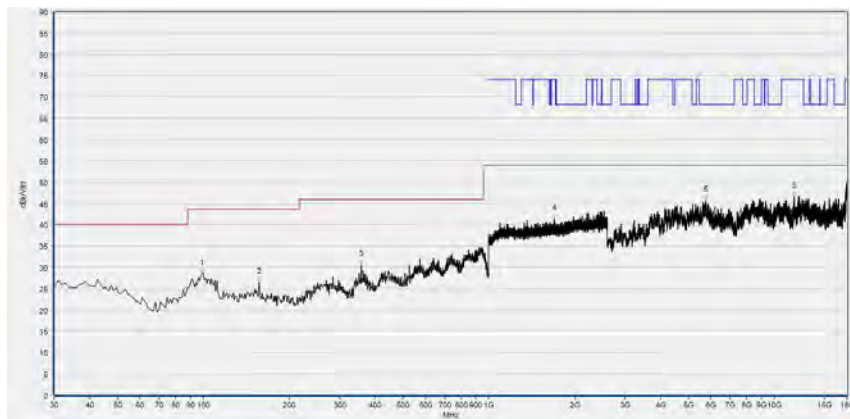
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 93.113     | 27.73       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 234.875    | 25.27       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 558.208    | 30.30       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2462.888   | 44.48       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5221.540   | 46.39       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 10970.034  | 46.68       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

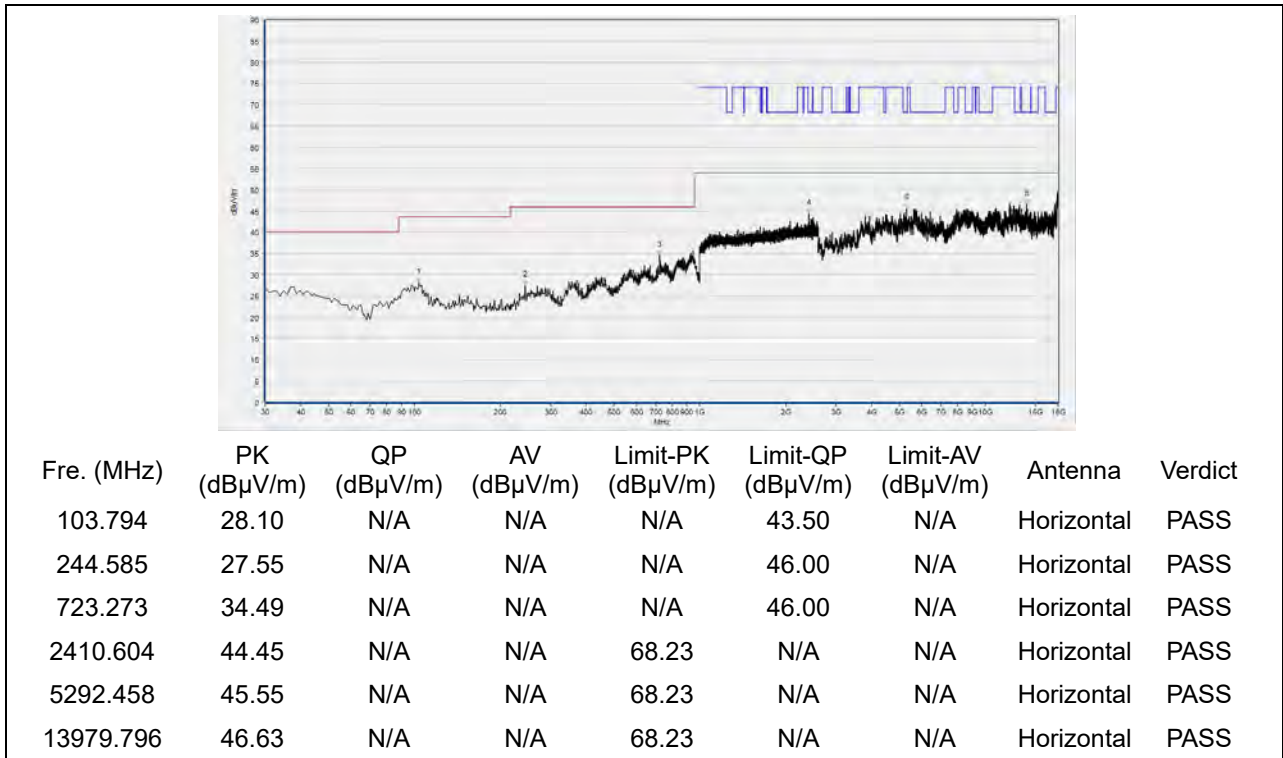
(Antenna Horizontal, 30MHz to 18GHz)



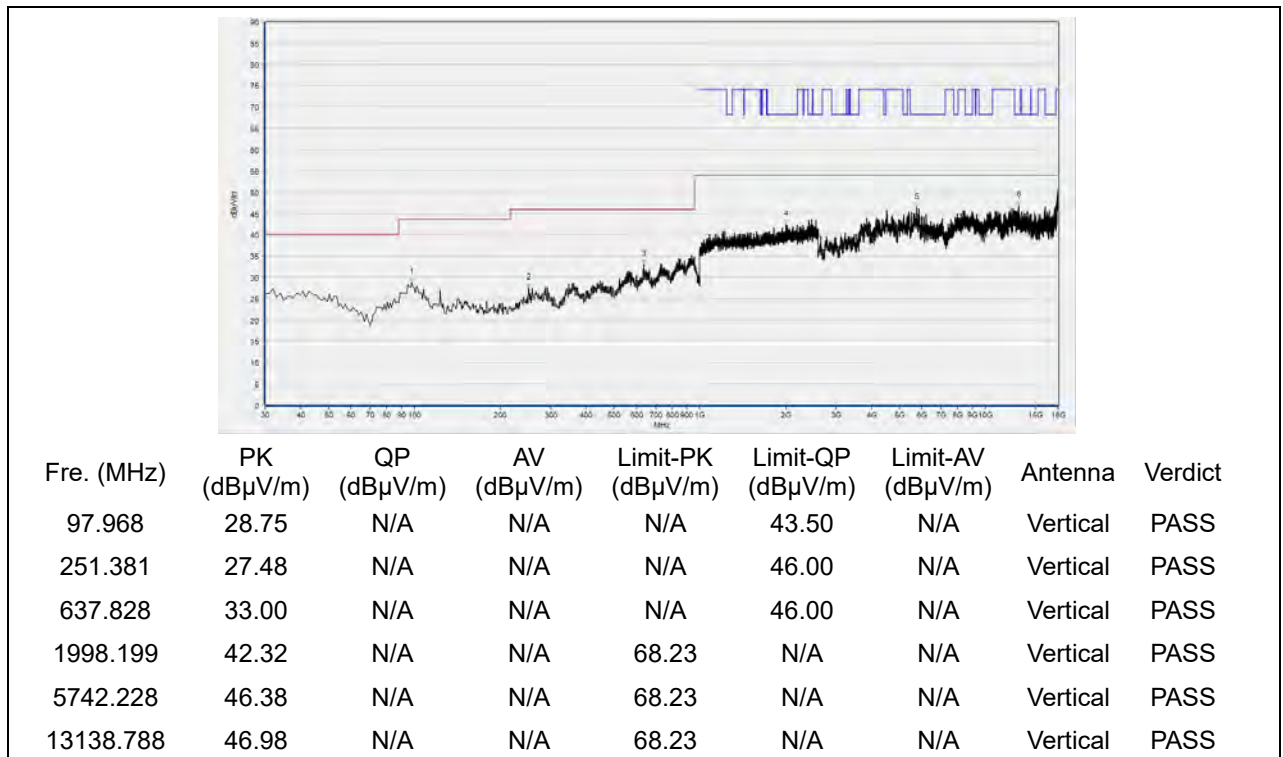
| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 98.939     | 28.47       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 157.197    | 26.56       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 357.217    | 30.45       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1696.232   | 41.48       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 5739.148   | 45.71       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 11743.269  | 46.54       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48

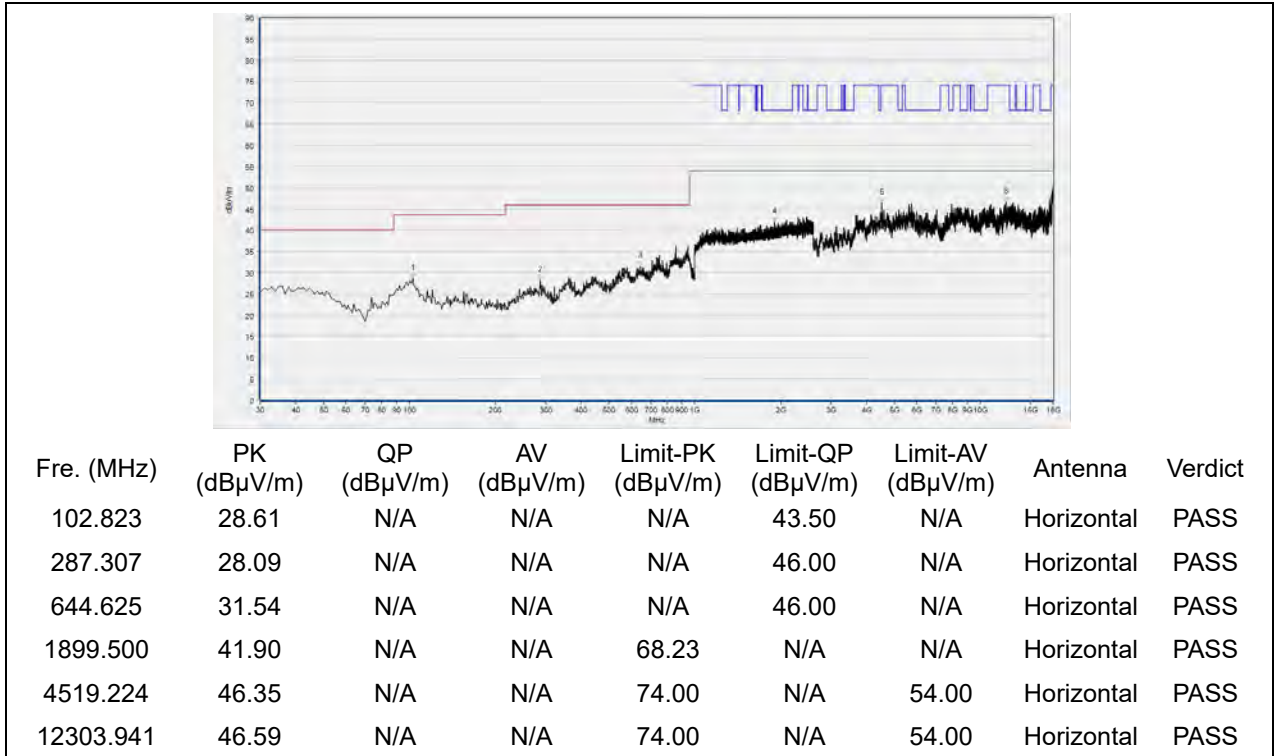


(Antenna Horizontal, 30MHz to 18GHz)

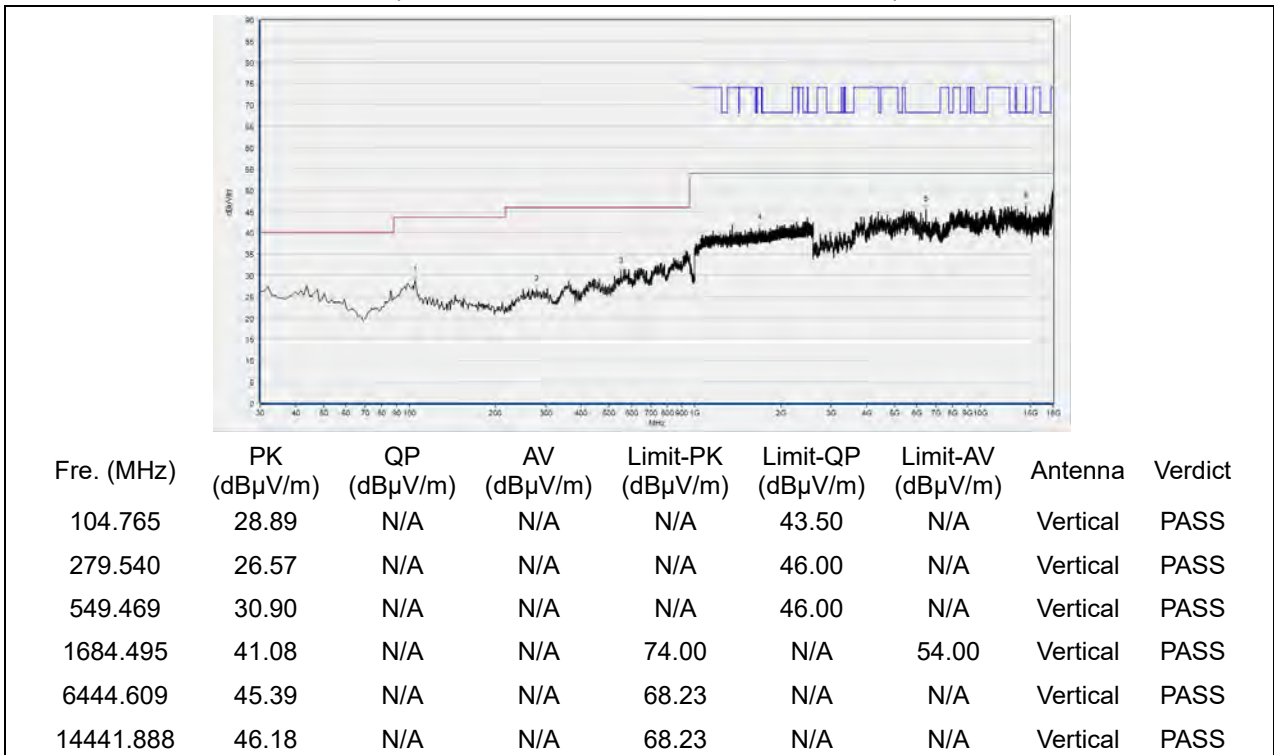


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 52

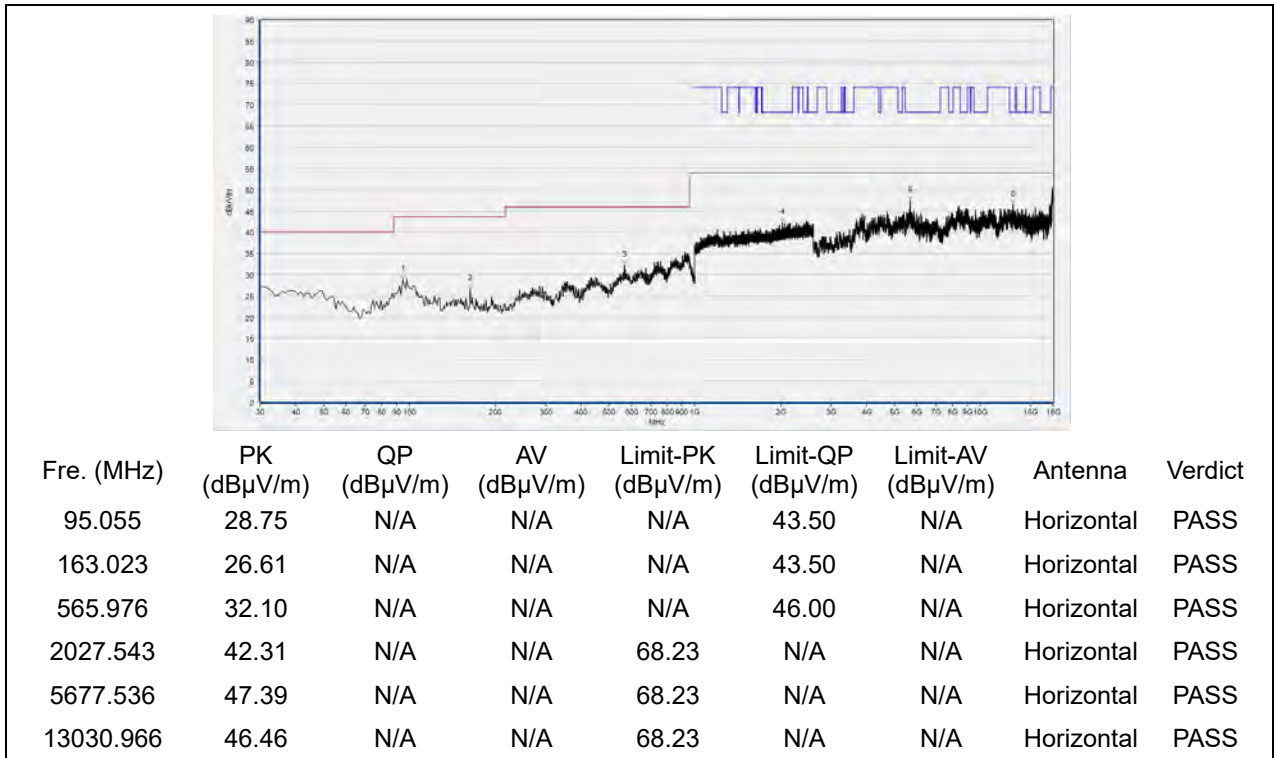


(Antenna Horizontal, 30MHz to 18GHz)

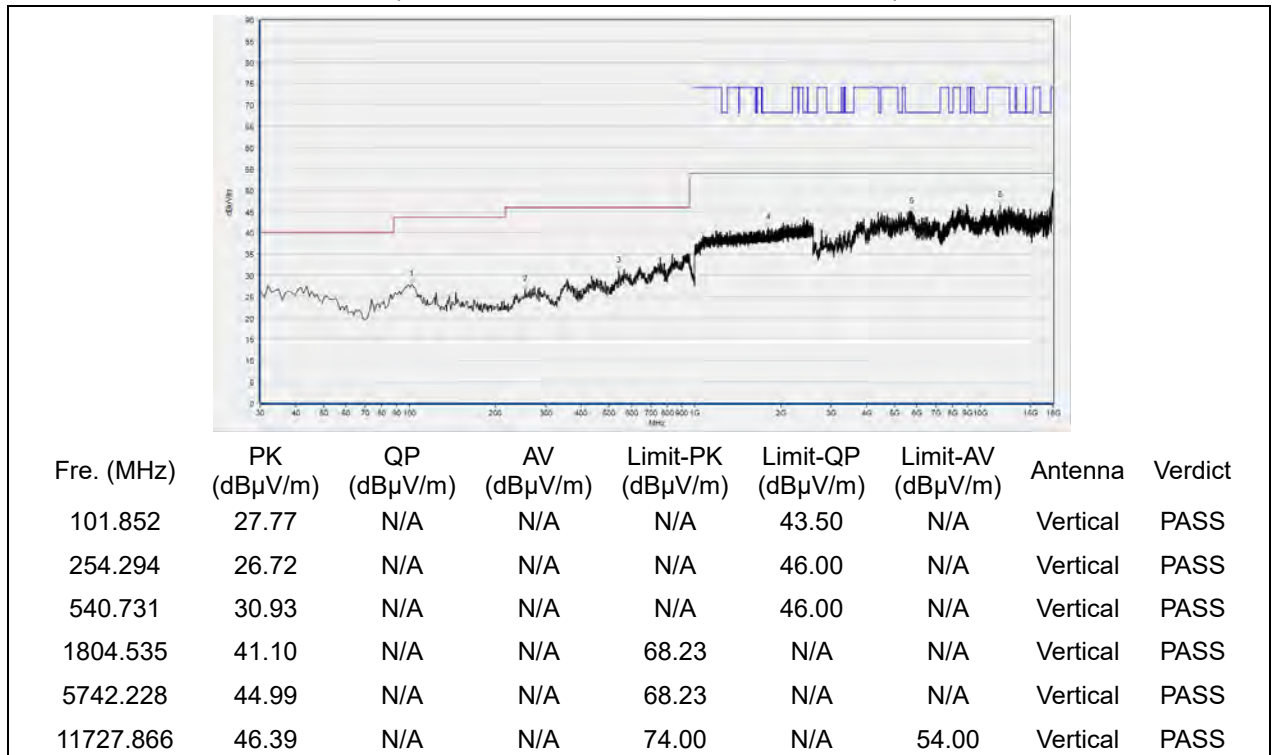


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 60



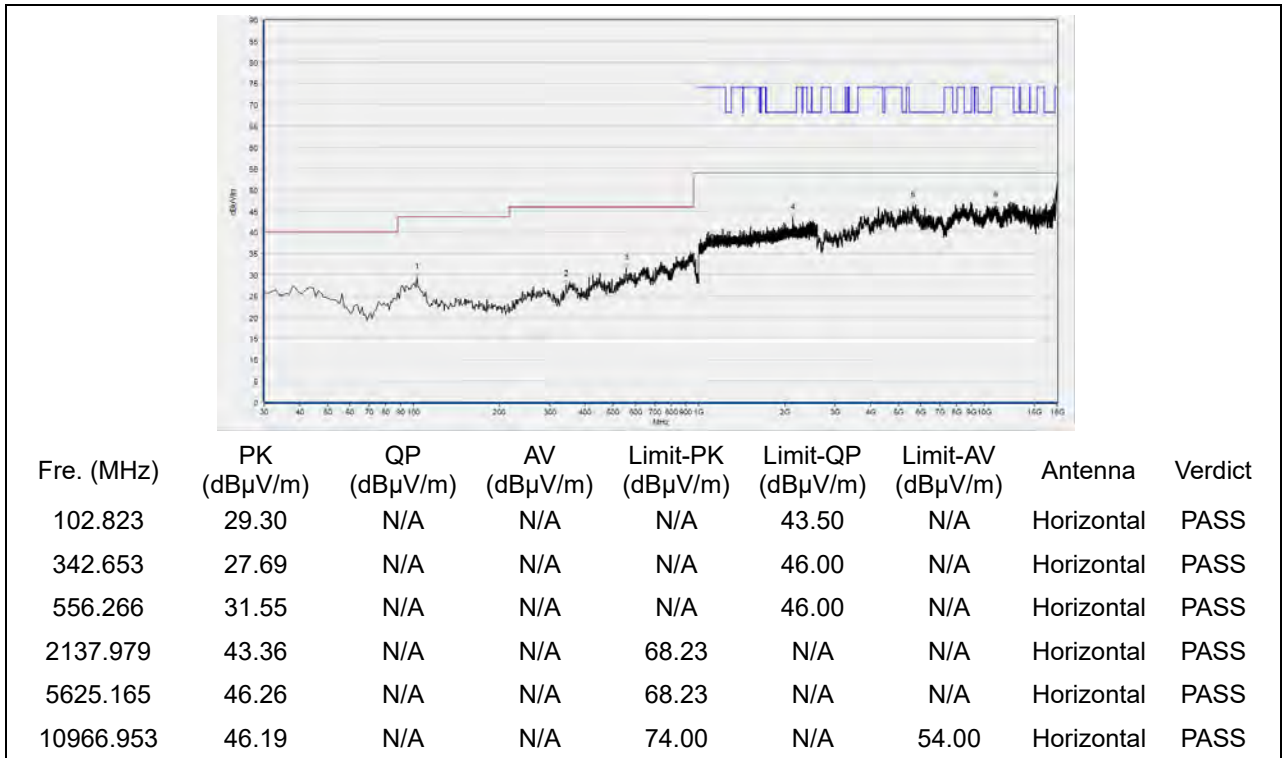
(Antenna Horizontal, 30MHz to 18GHz)



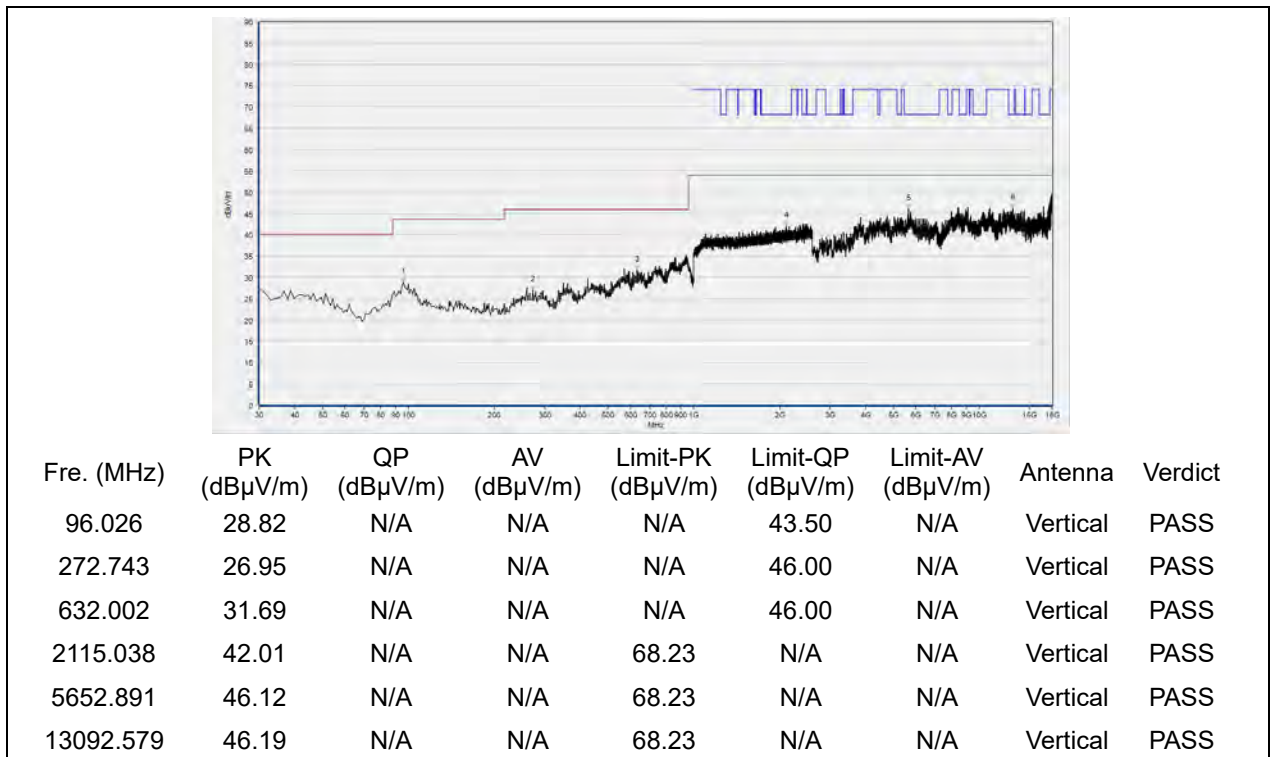
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 64



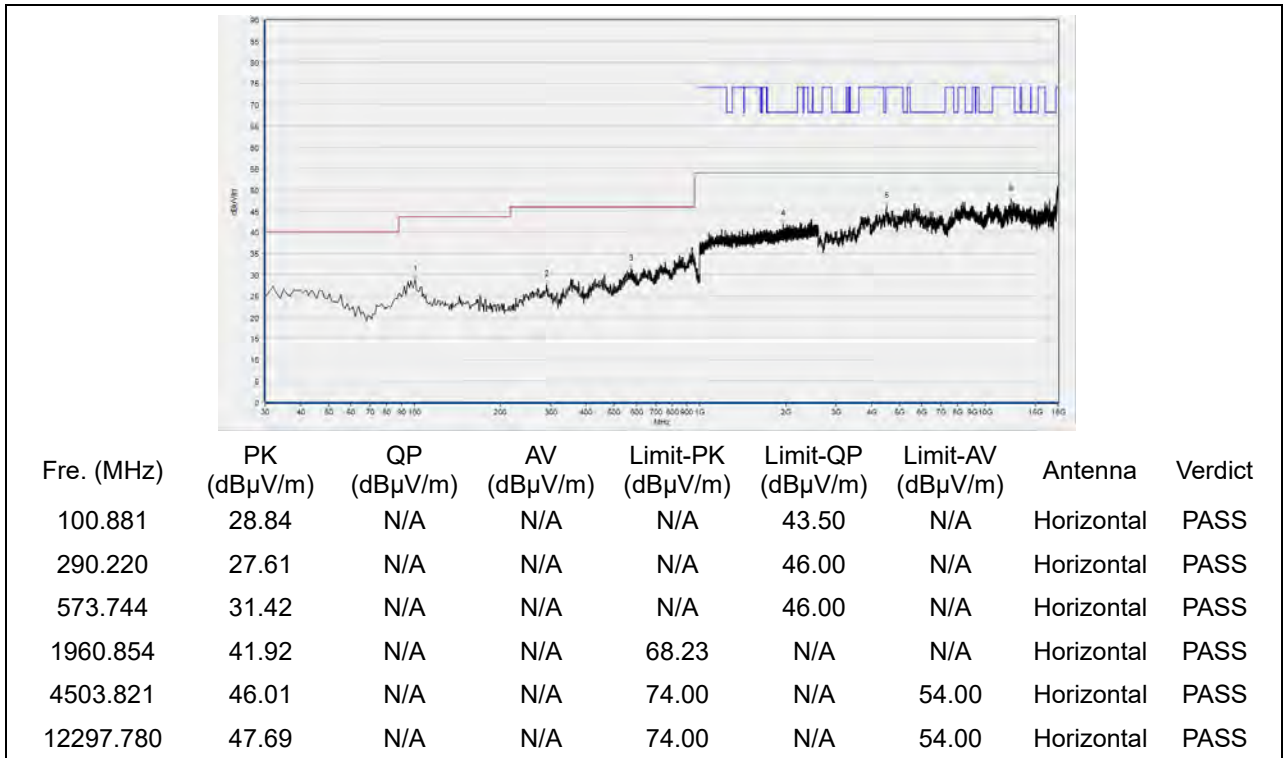
(Antenna Horizontal, 30MHz to 18GHz)



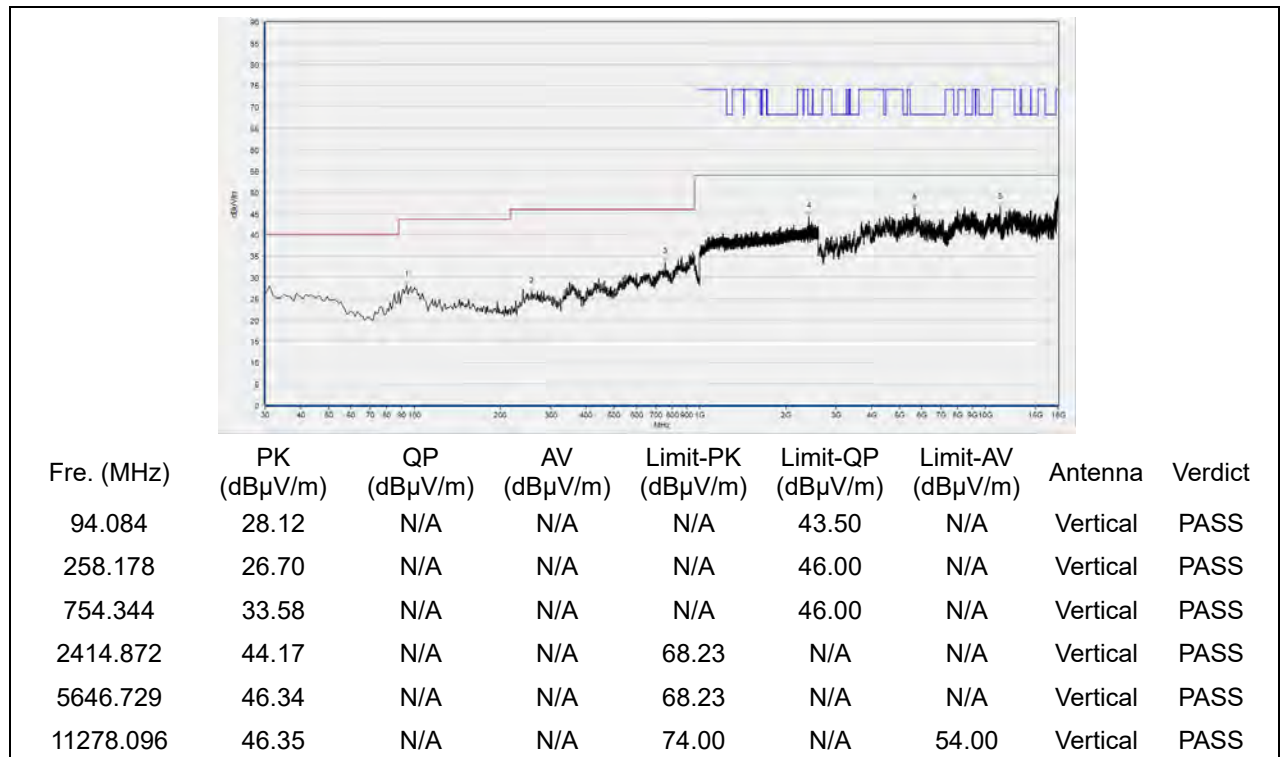
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 149

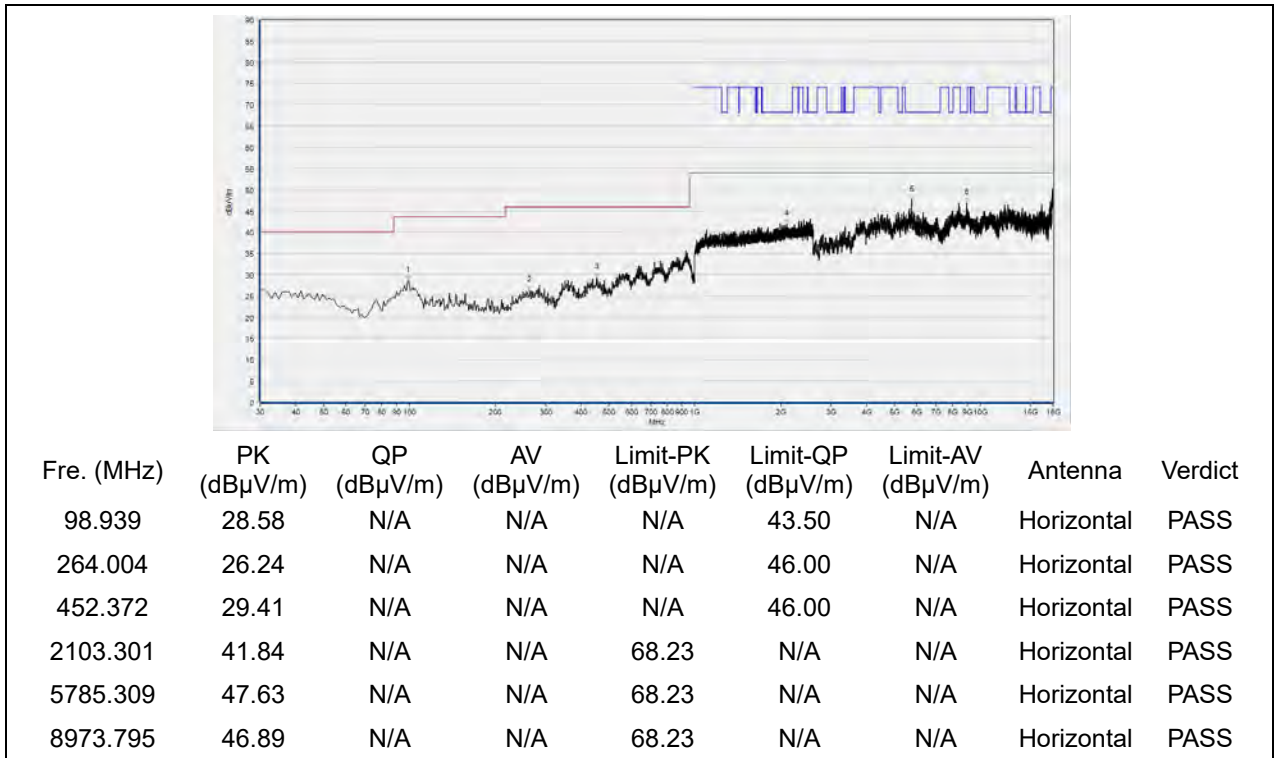


(Antenna Horizontal, 30MHz to 18GHz)

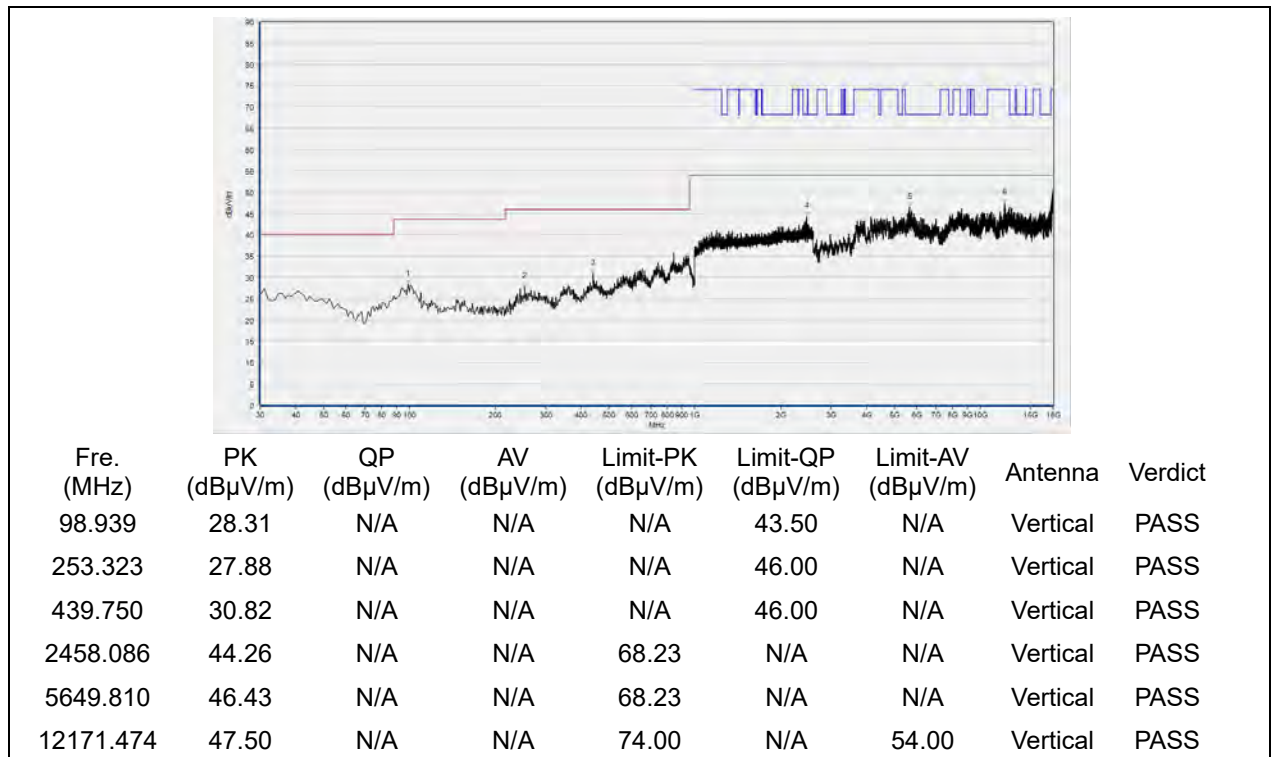


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157

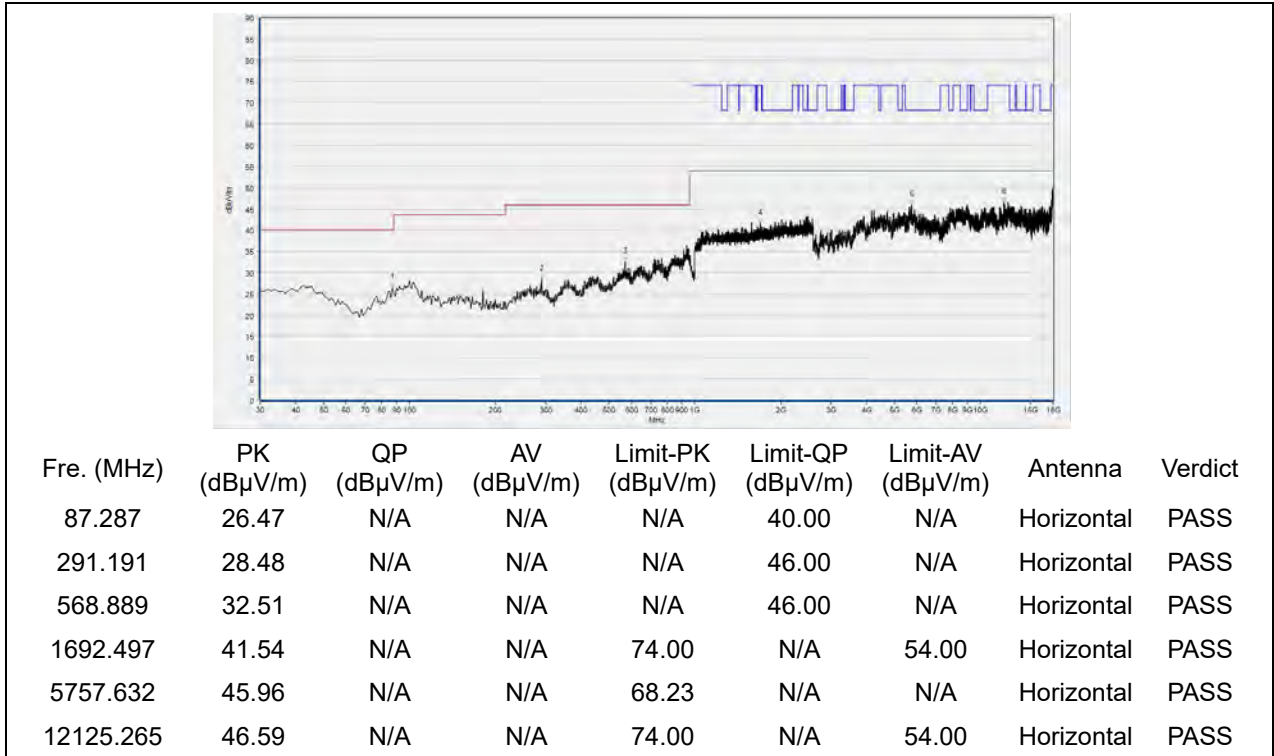


(Antenna Horizontal, 30MHz to 18GHz)

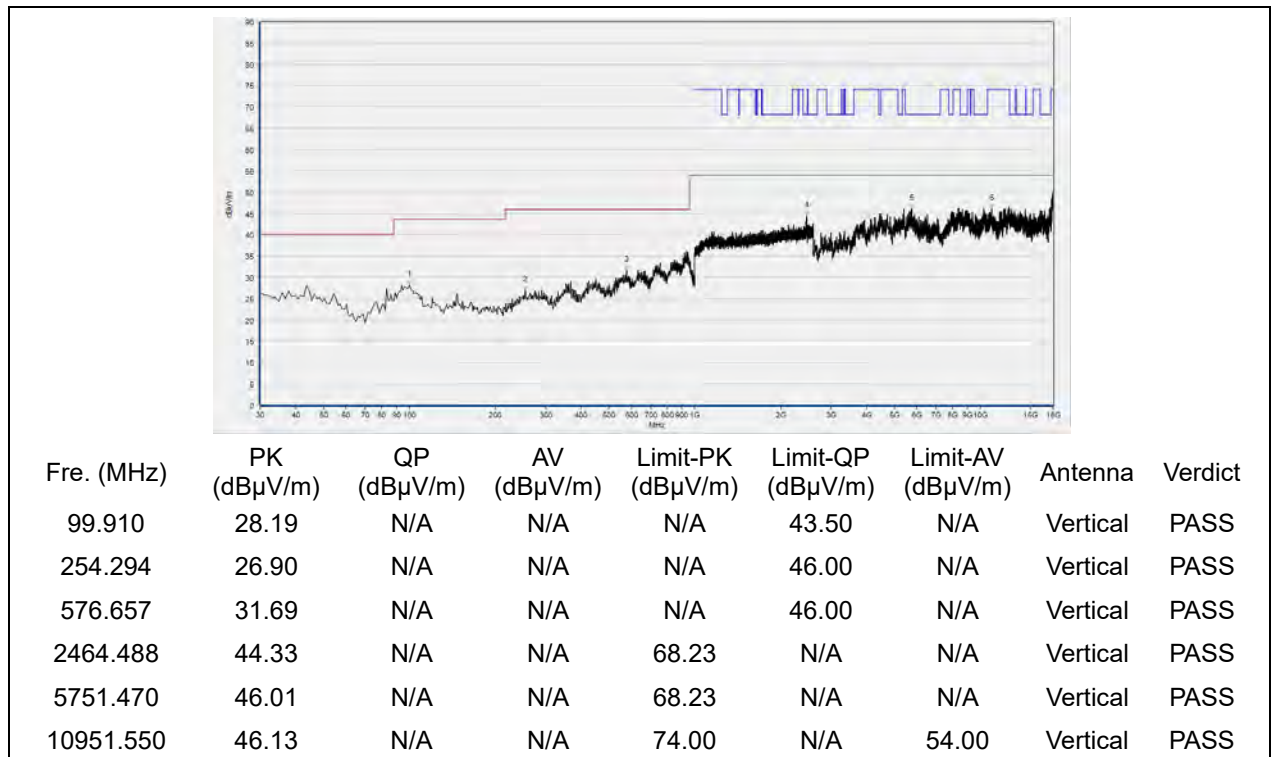


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



(Antenna Horizontal, 30MHz to 18GHz)

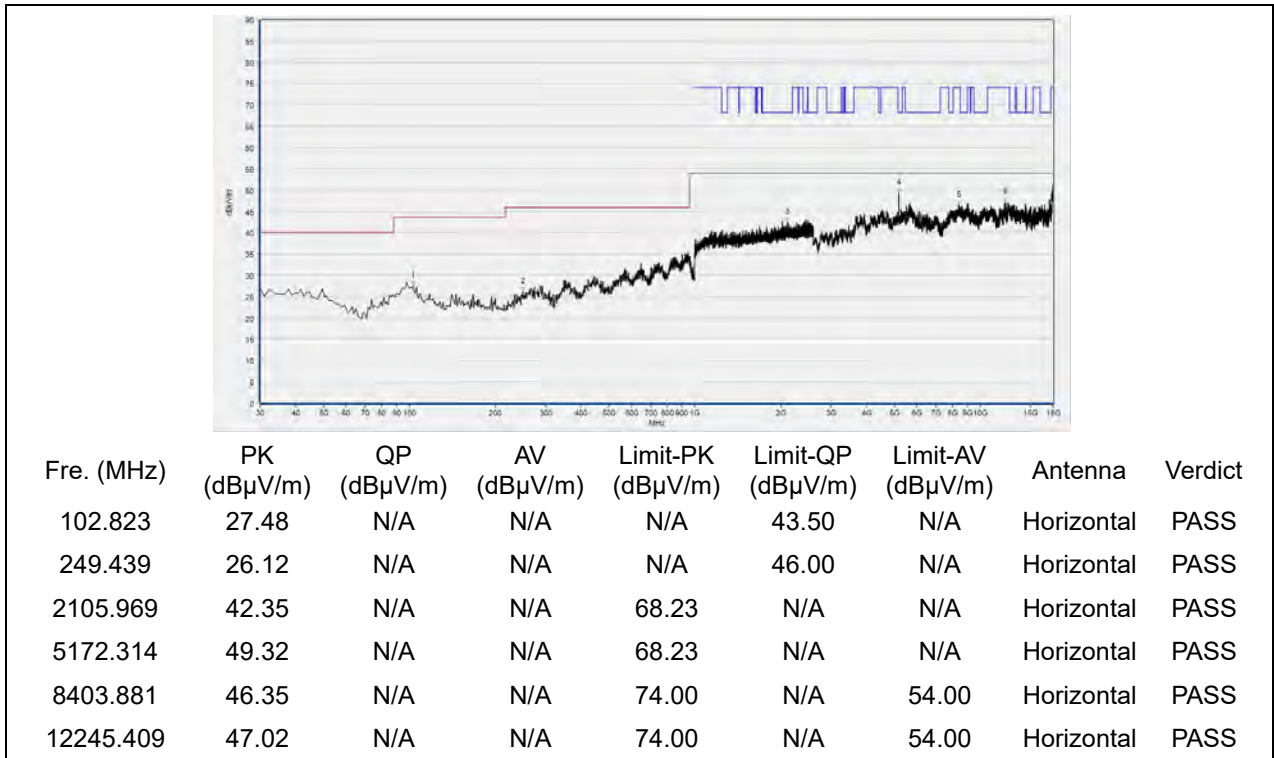


(Antenna Vertical, 30MHz to 18GHz)

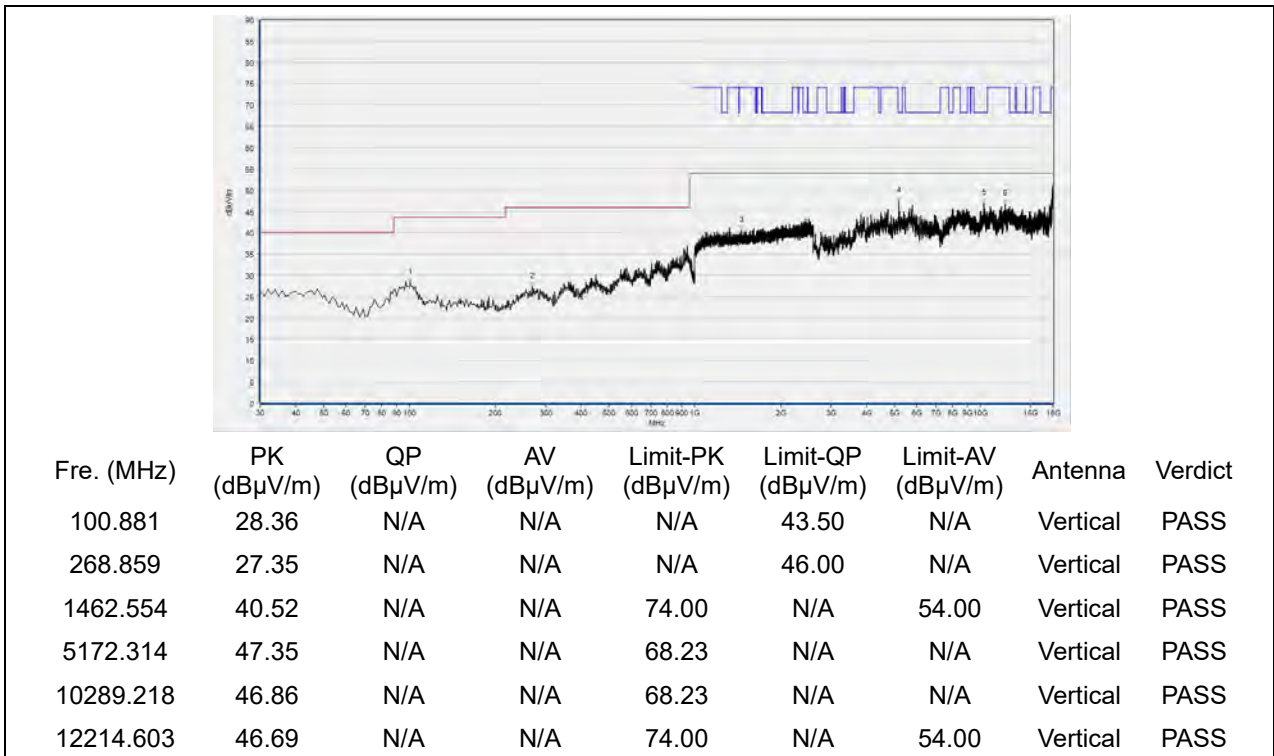


**802.11ax (HEW20) RU26 Mode**

Plot for Channel 36

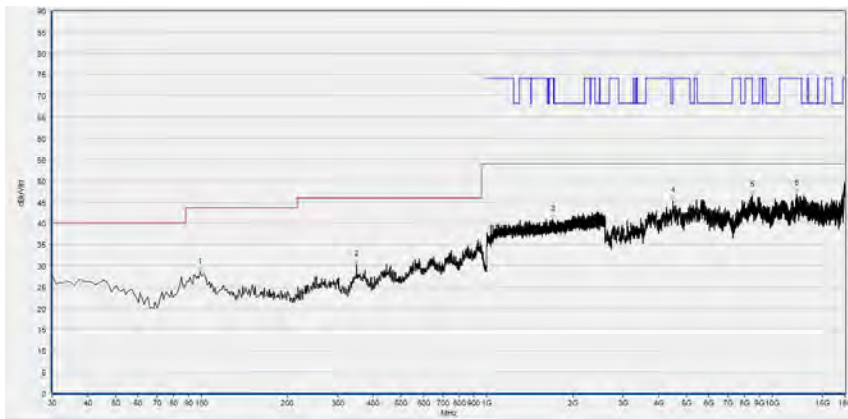


(Antenna Horizontal, 30MHz to 18GHz)



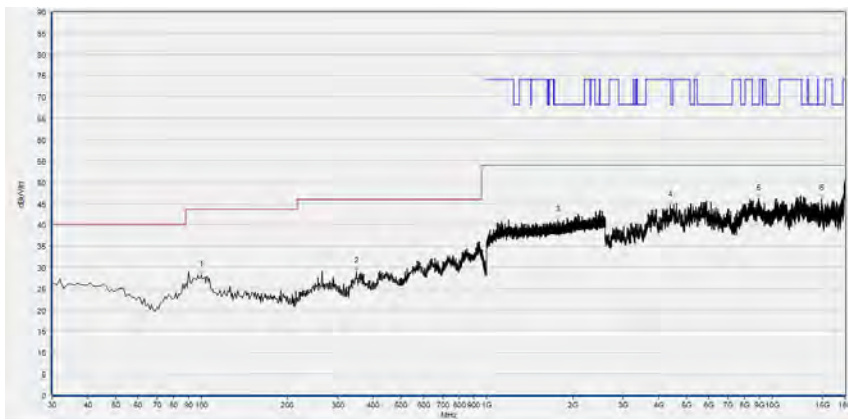
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 98.939     | 28.50       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 349.449    | 30.30       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1703.168   | 40.94       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 4476.095   | 45.30       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 8487.057   | 46.57       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12152.991  | 46.96       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

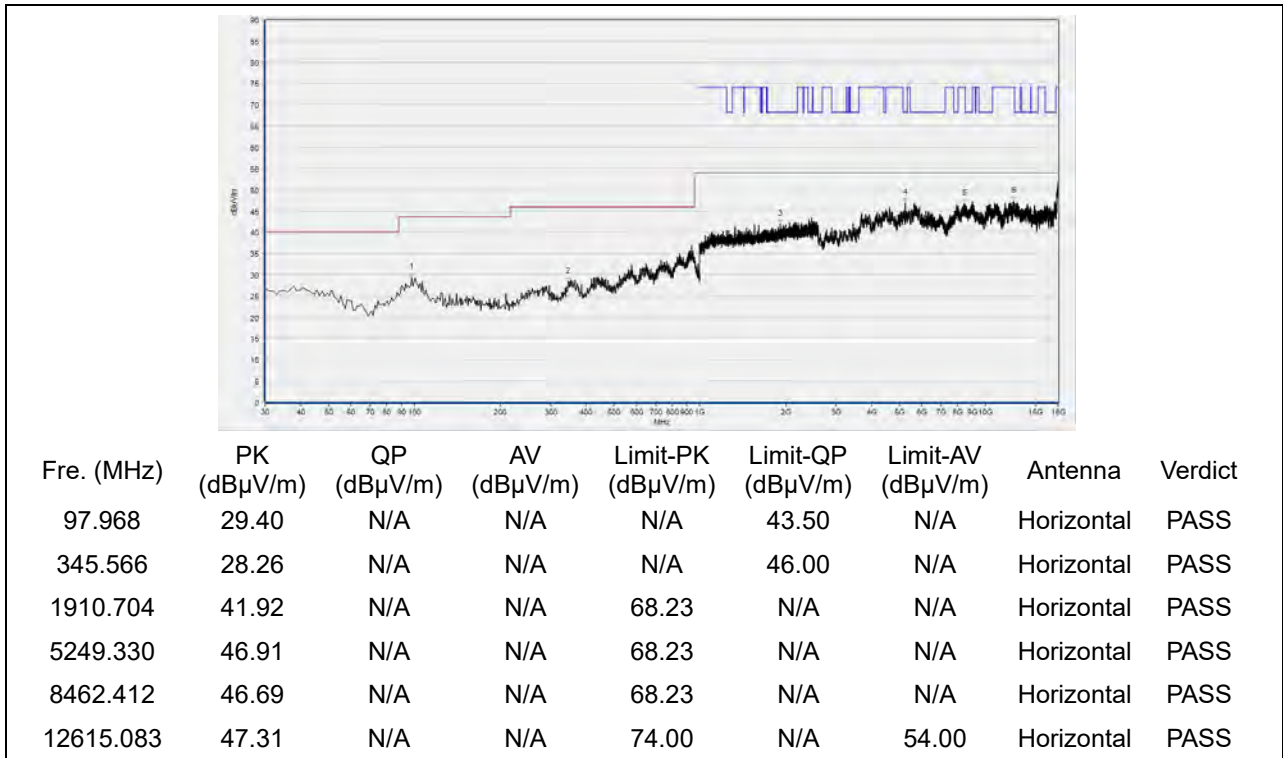


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 99.910     | 28.22       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 348.478    | 28.94       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1777.859   | 41.01       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4386.757   | 44.61       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8949.150   | 46.08       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 14922.464  | 46.11       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

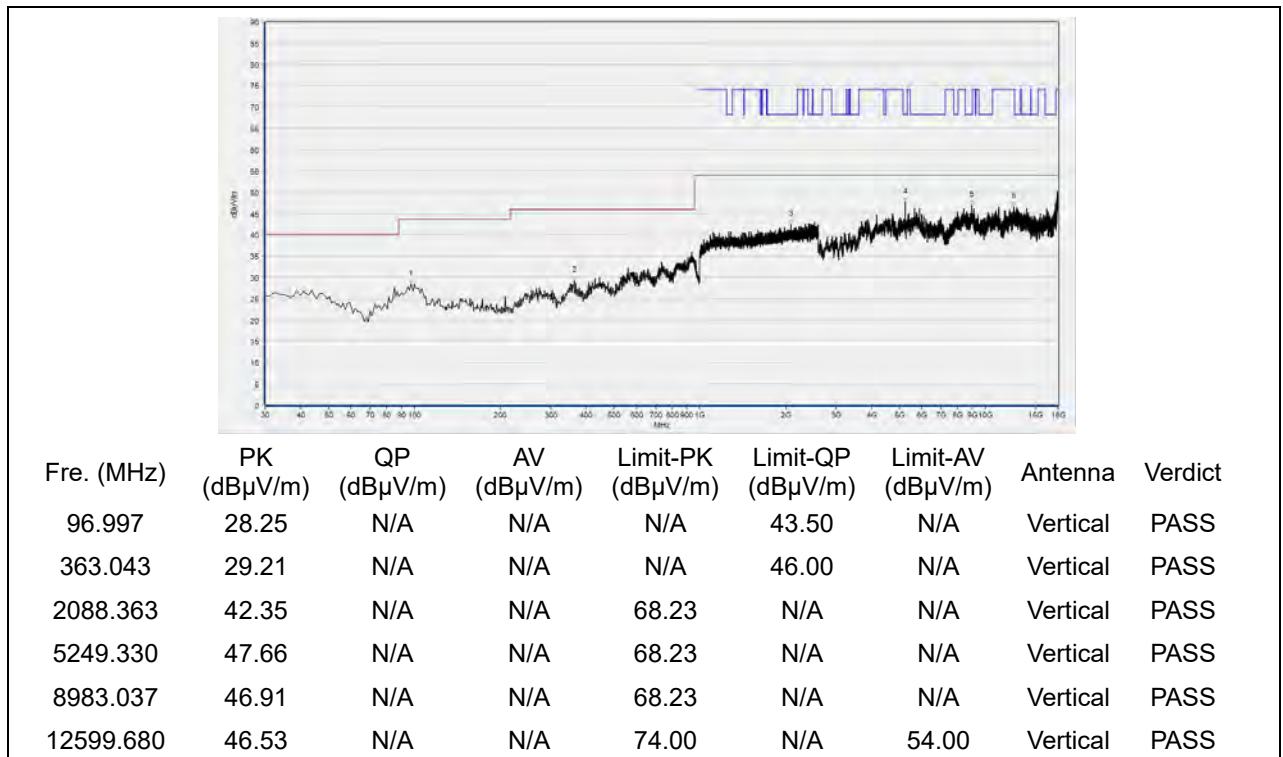
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 48



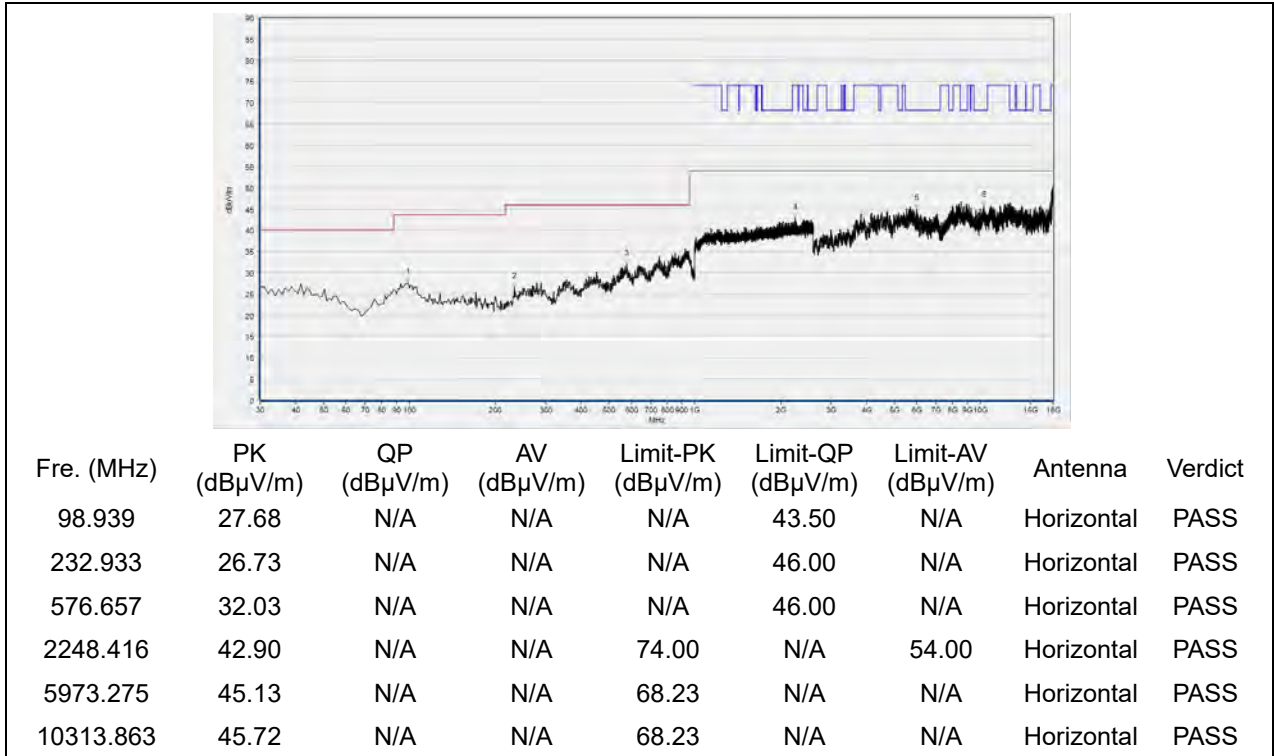
(Antenna Horizontal, 30MHz to 18GHz)



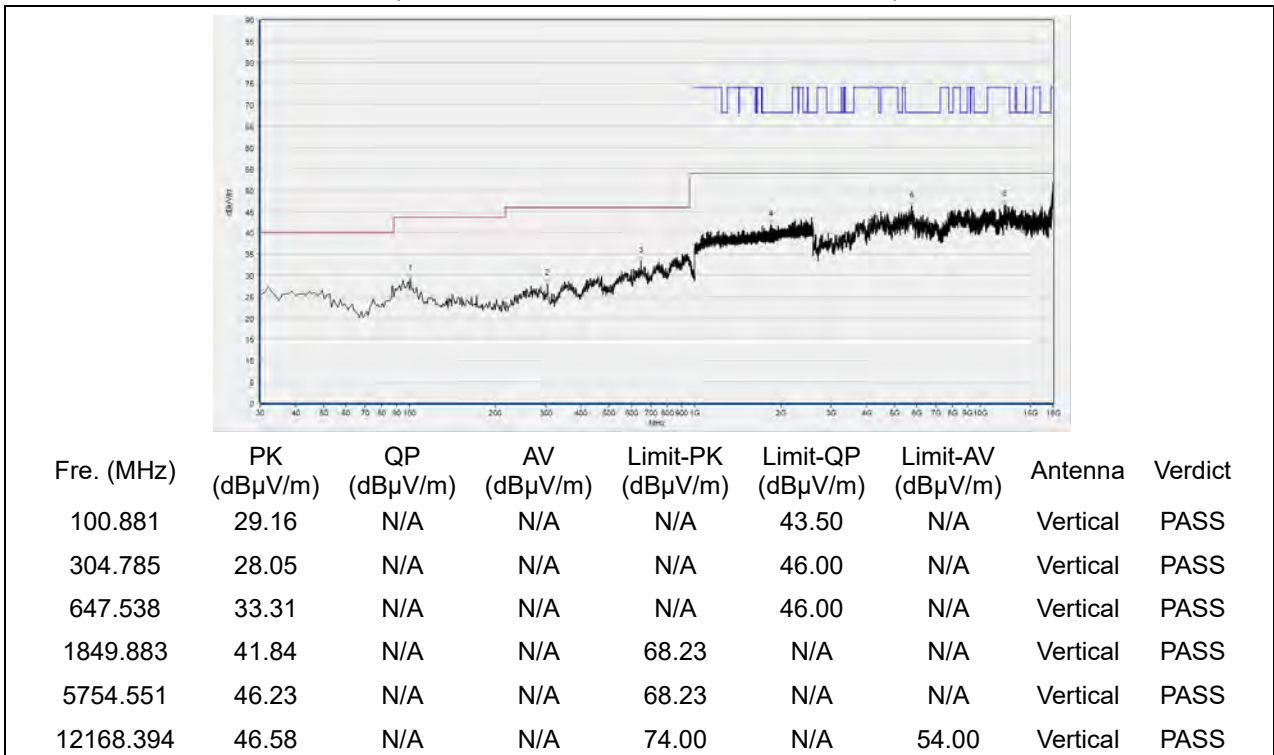
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 52

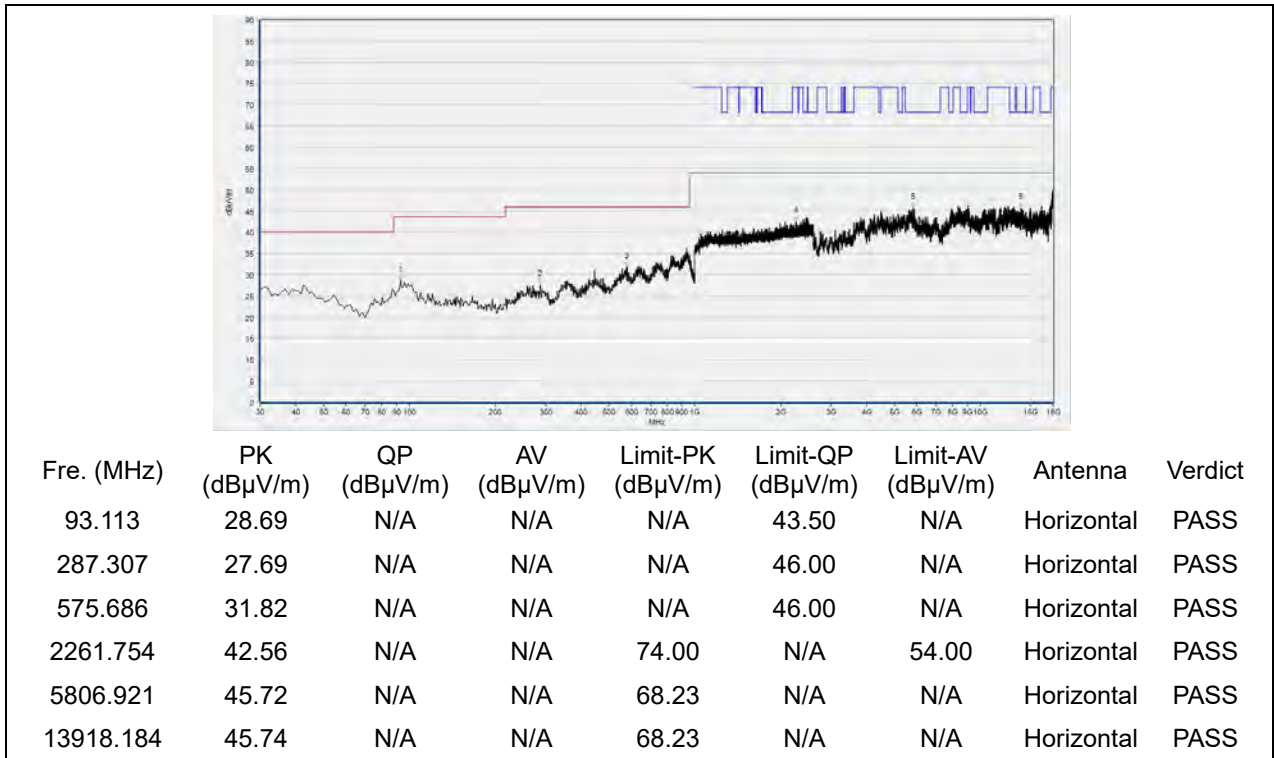


(Antenna Horizontal, 30MHz to 18GHz)

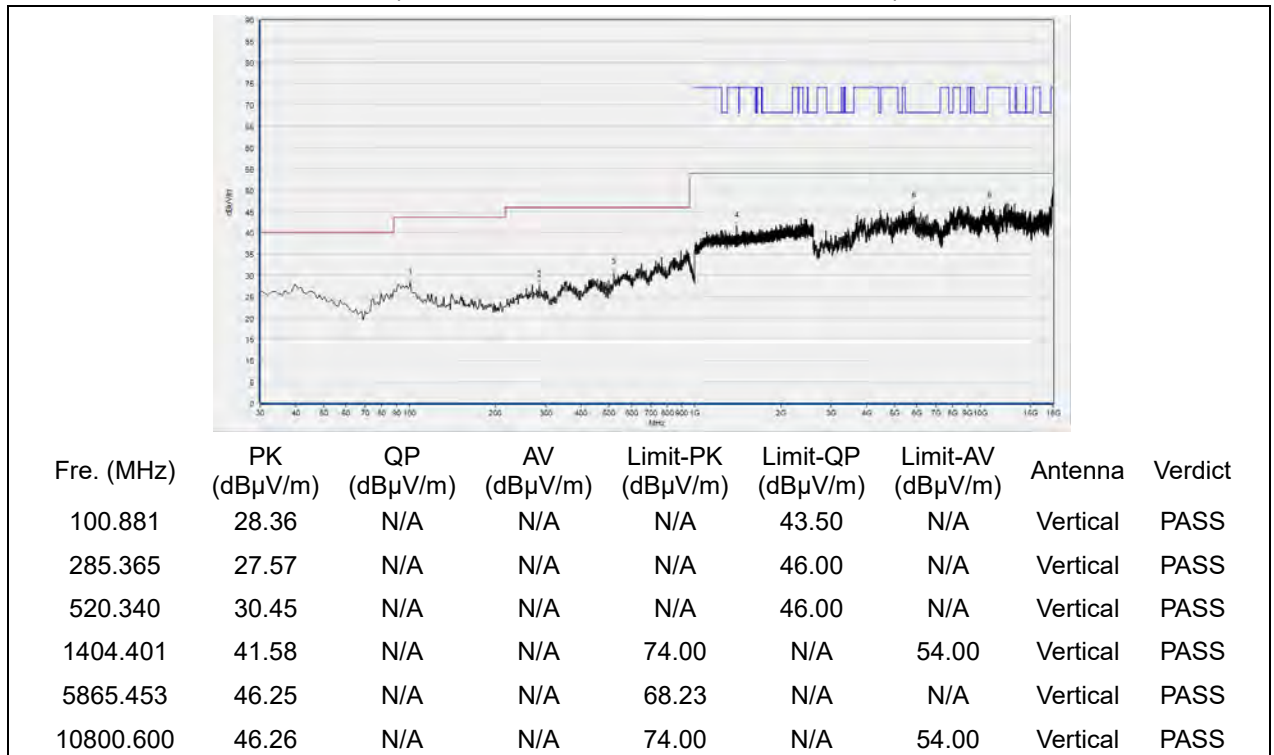


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 60

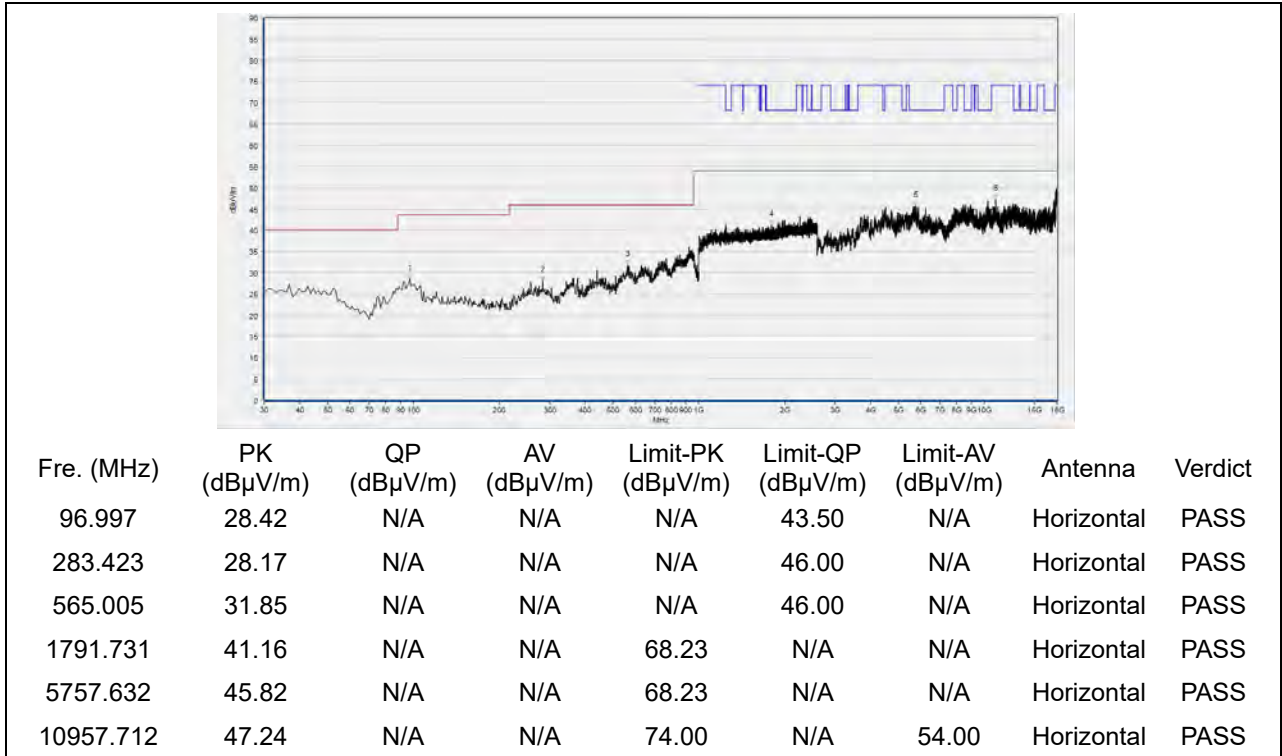


(Antenna Horizontal, 30MHz to 18GHz)

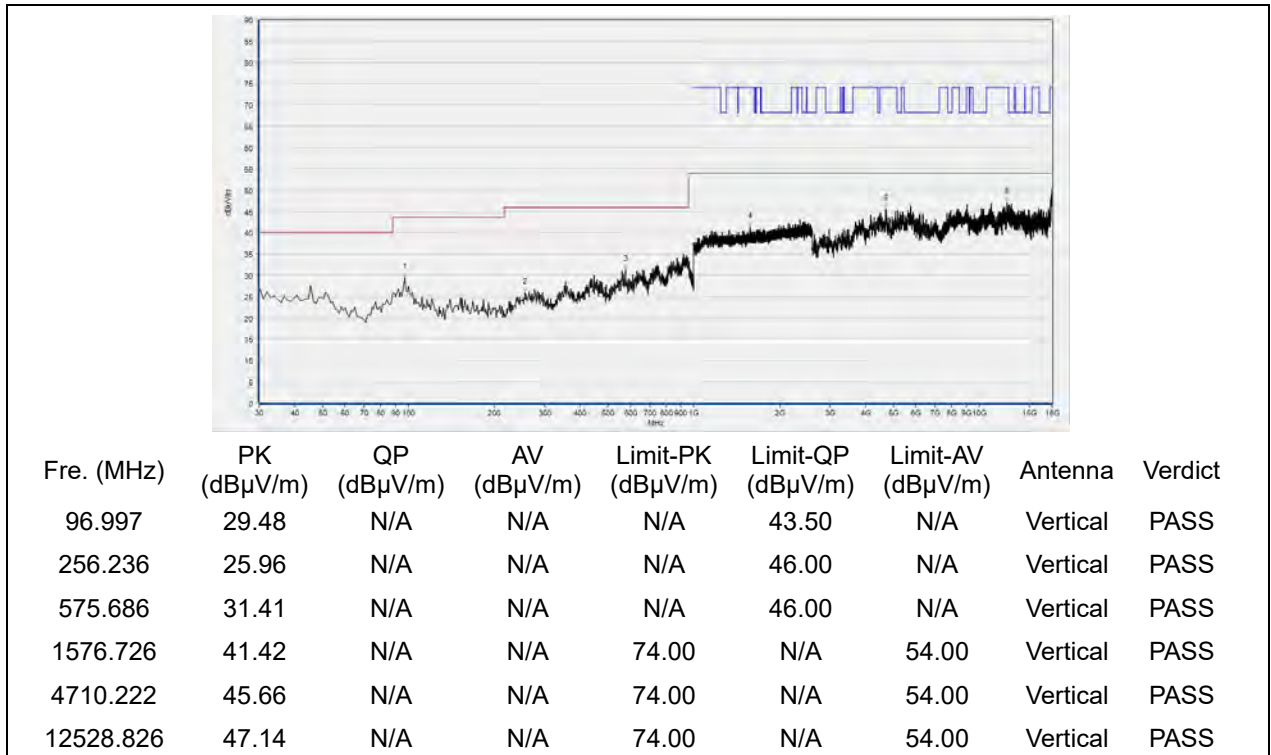


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 64

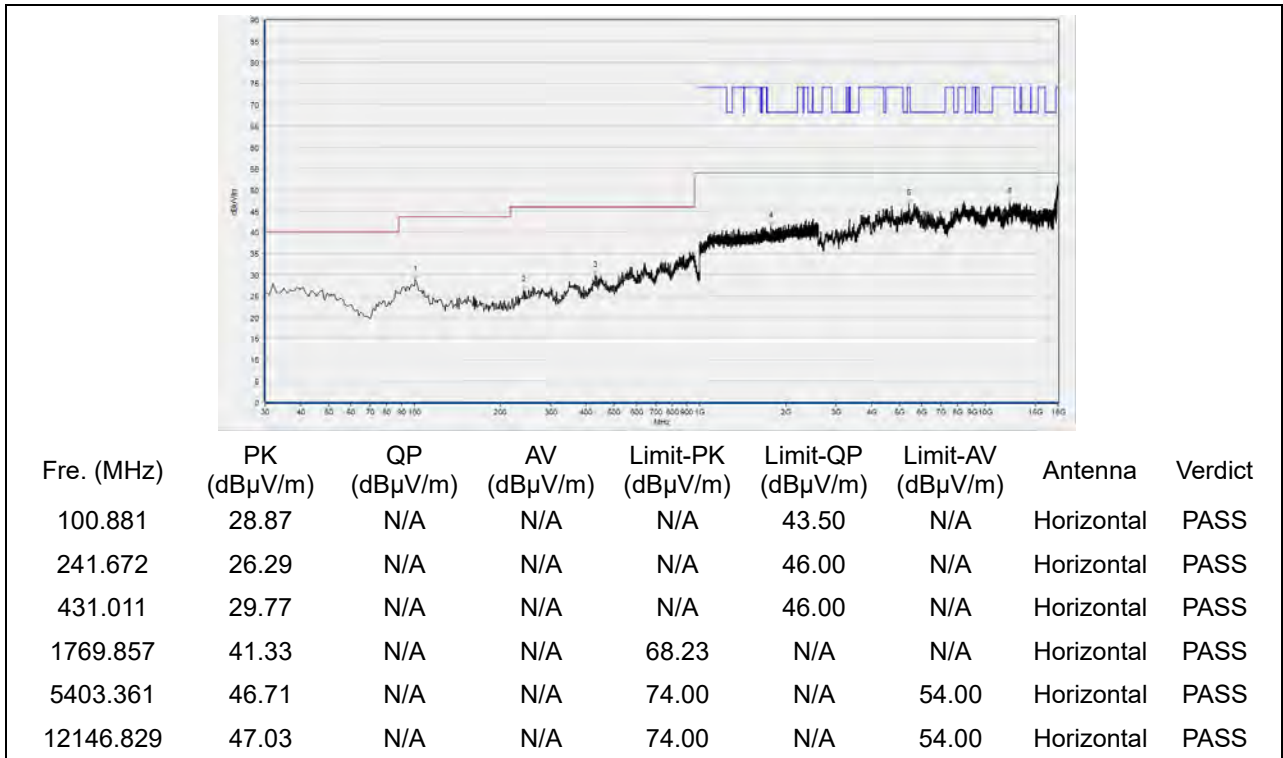


(Antenna Horizontal, 30MHz to 18GHz)

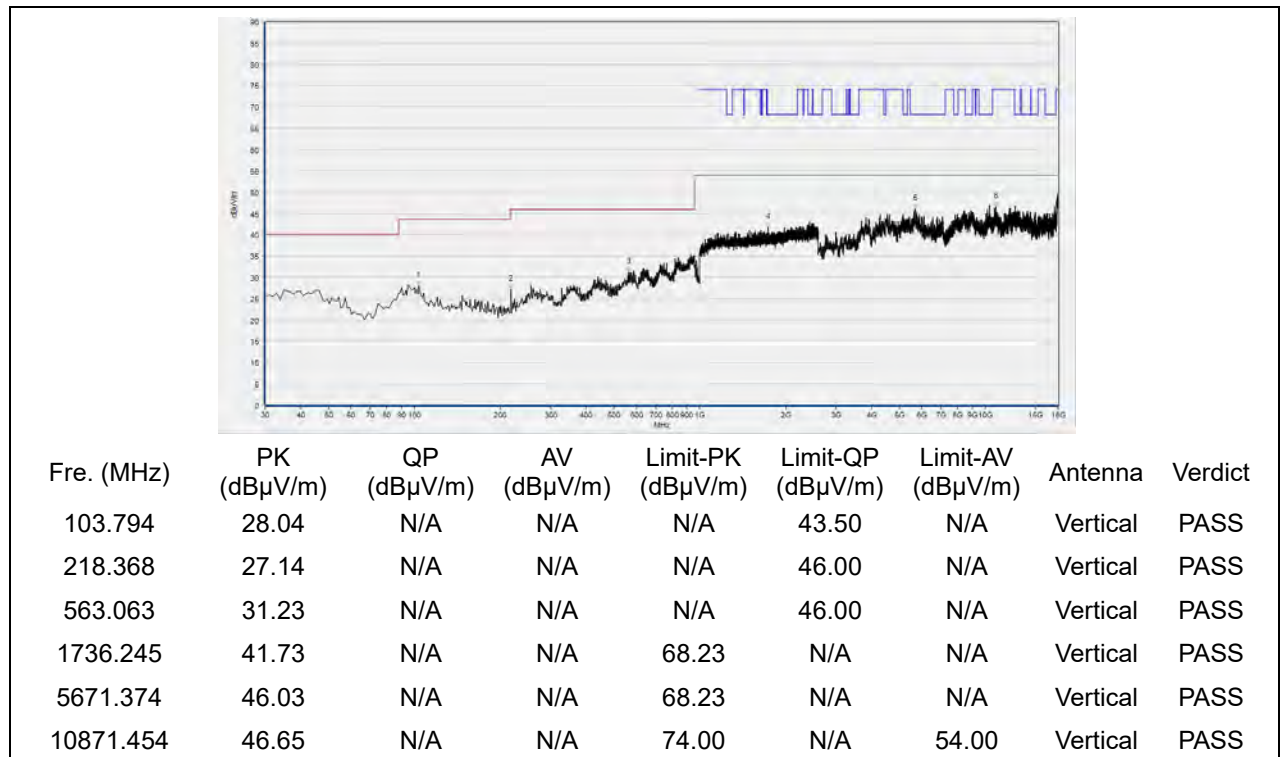


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149

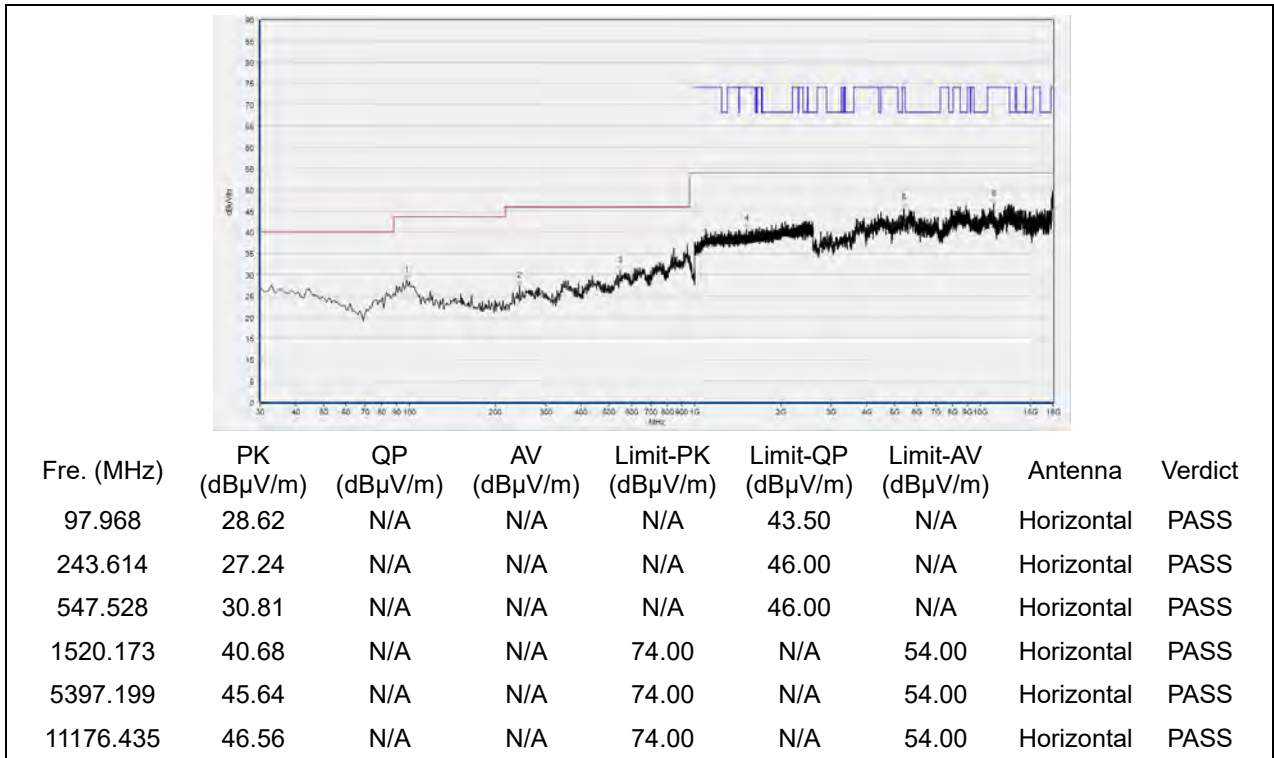


(Antenna Horizontal, 30MHz to 18GHz)

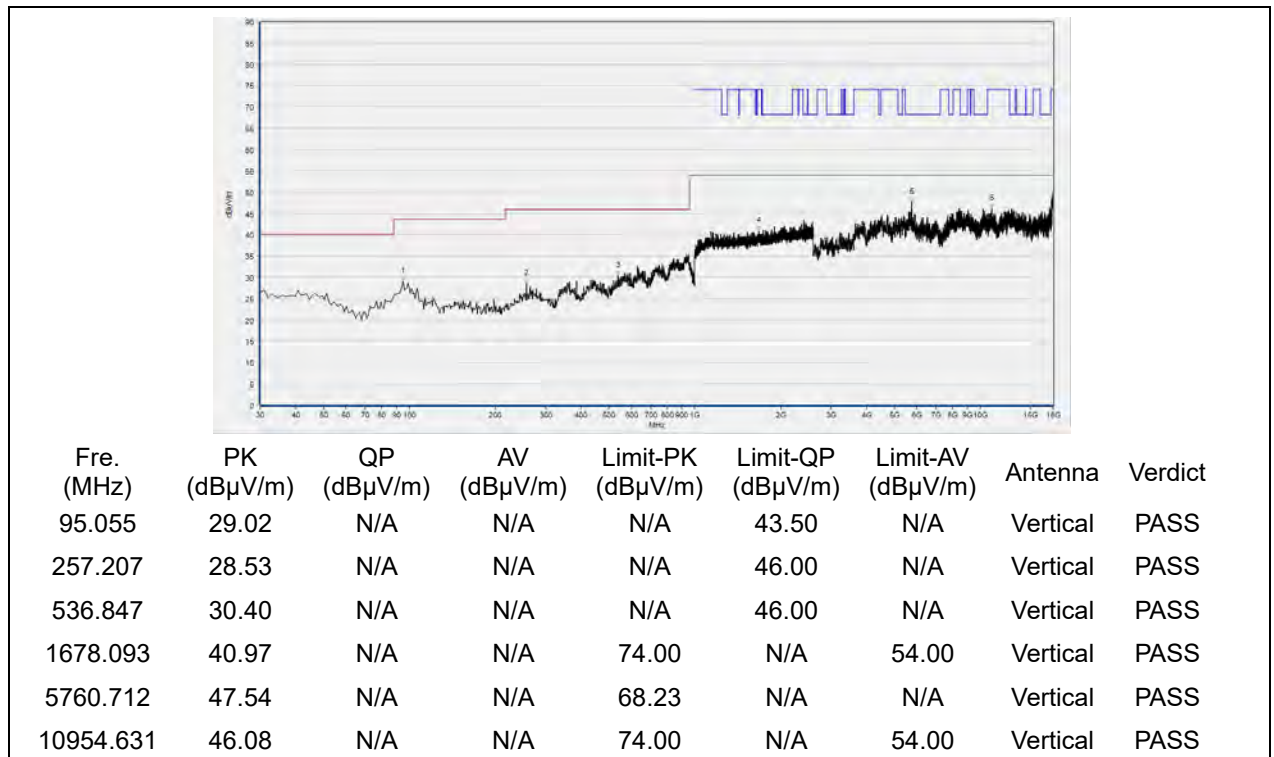


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157



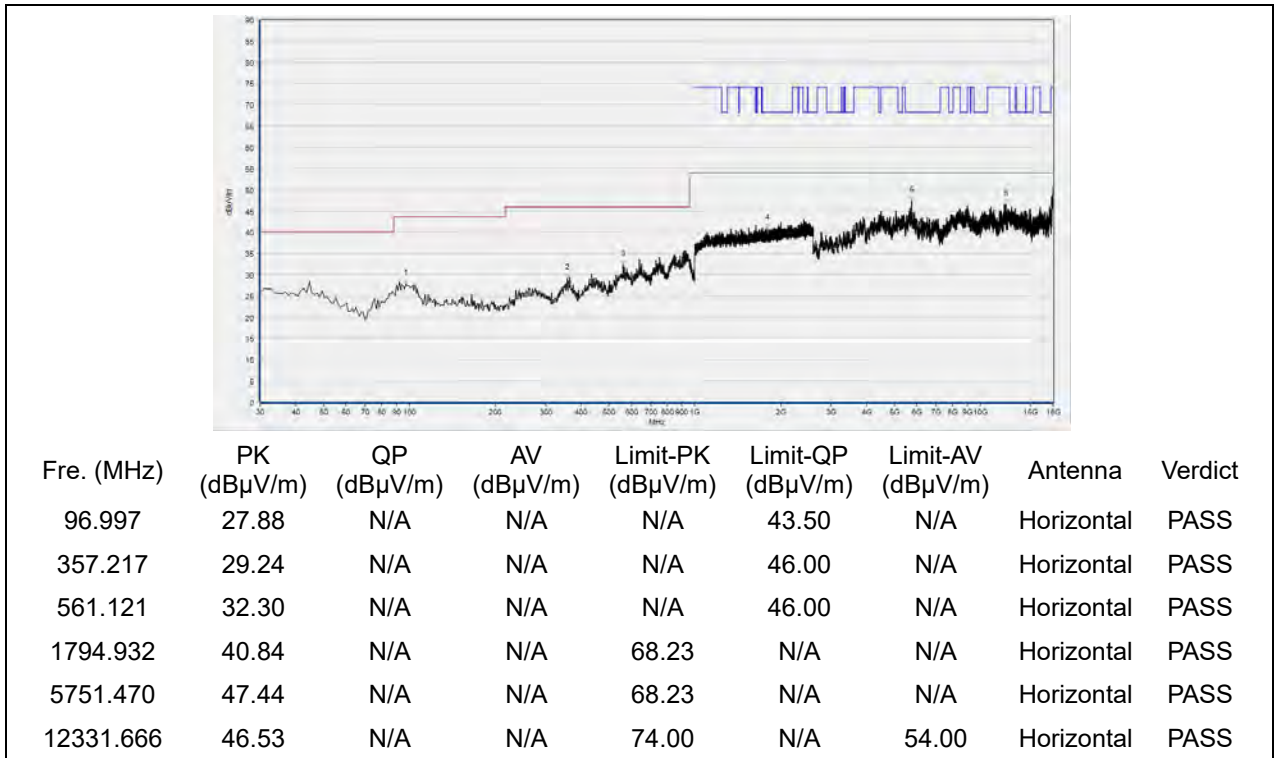
(Antenna Horizontal, 30MHz to 18GHz)



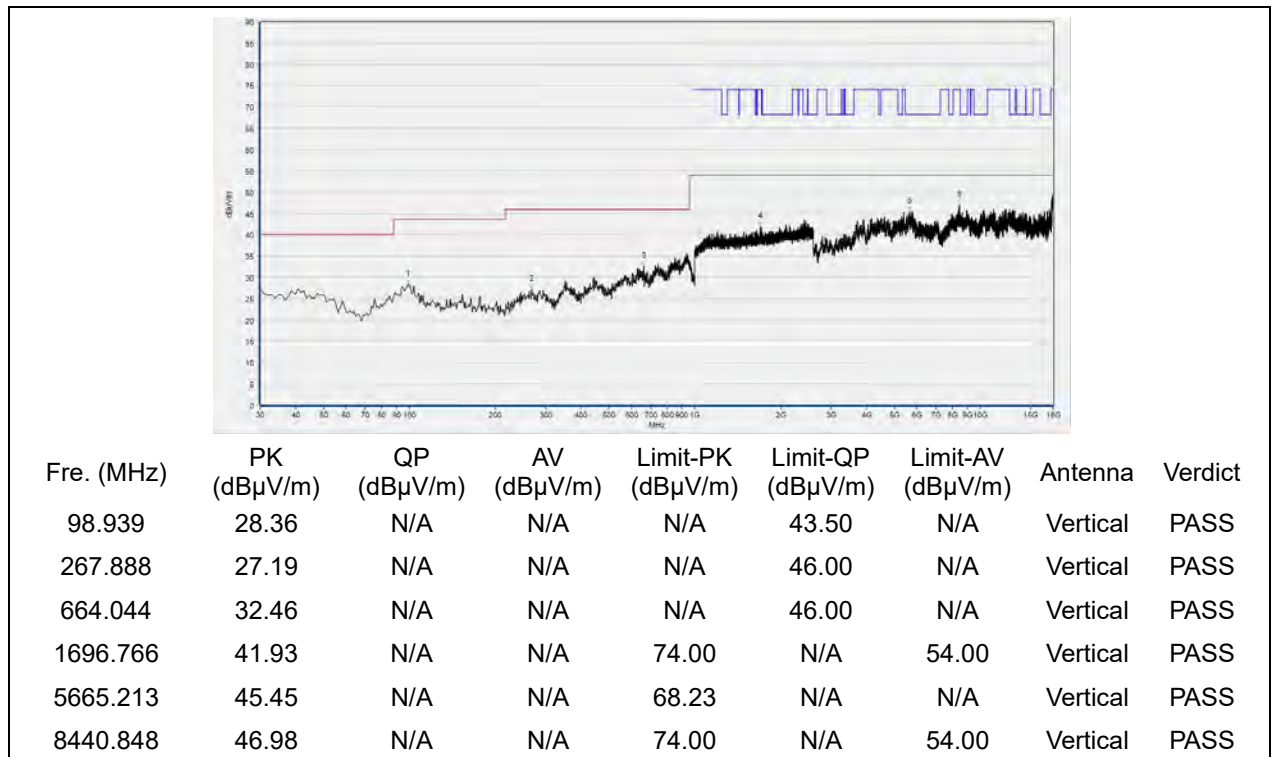
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 165



(Antenna Horizontal, 30MHz to 18GHz)



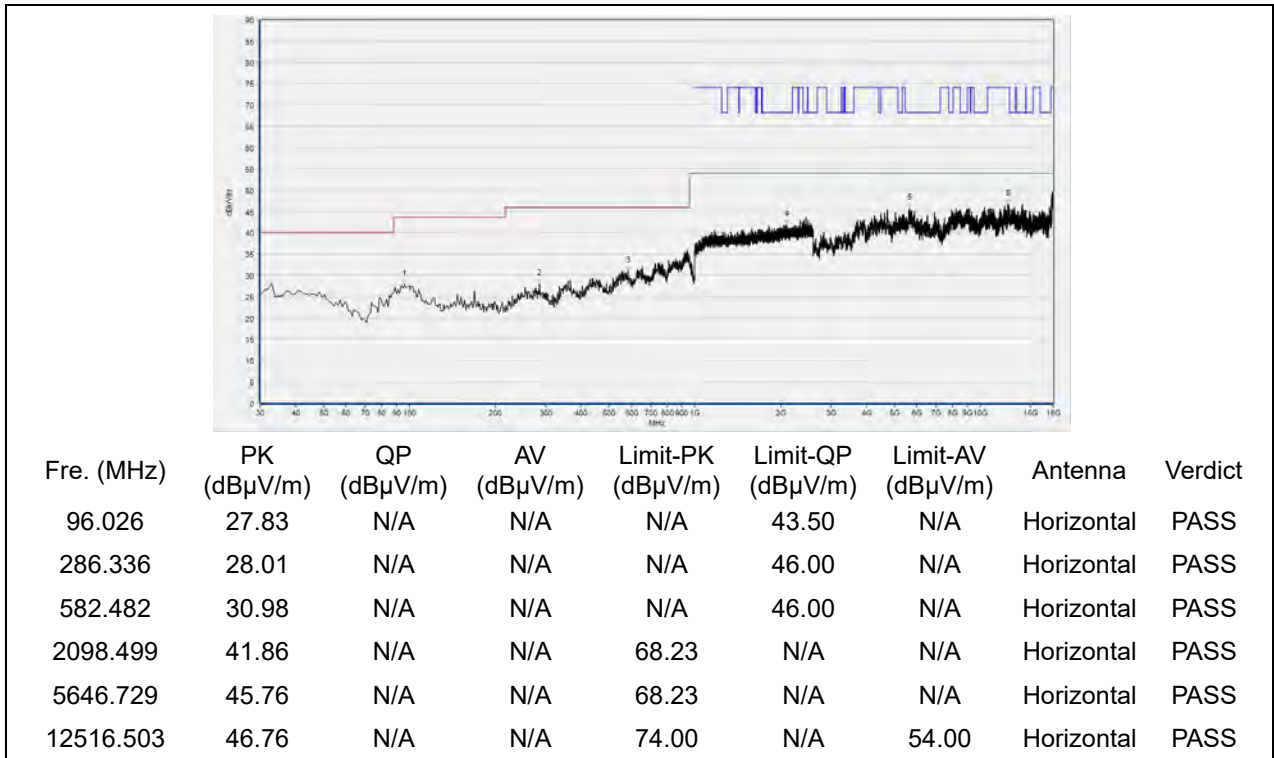
(Antenna Vertical, 30MHz to 18GHz)



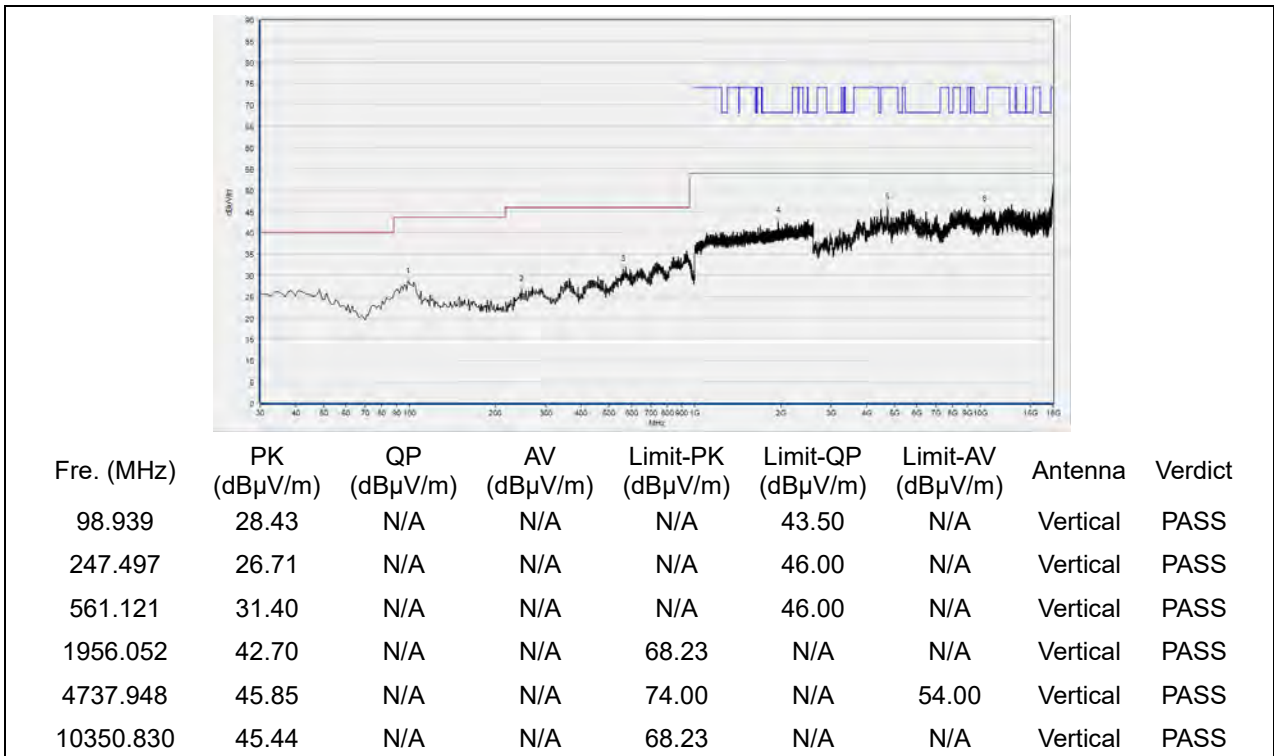


**802.11ax (HEW20) RU52 Mode**

Plot for Channel 36

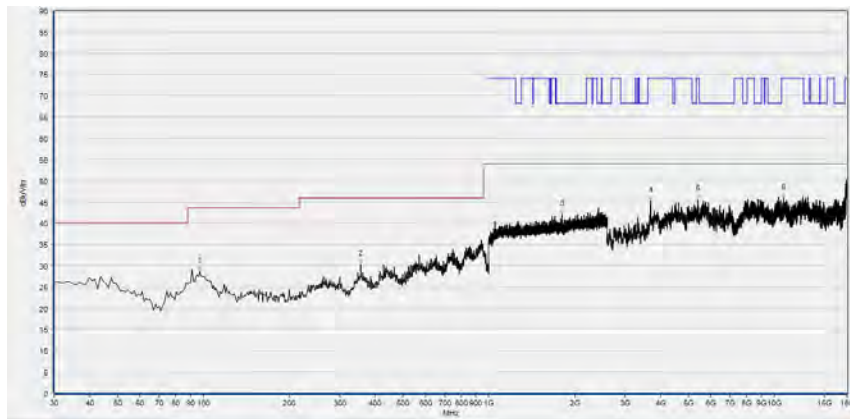


(Antenna Horizontal, 30MHz to 18GHz)



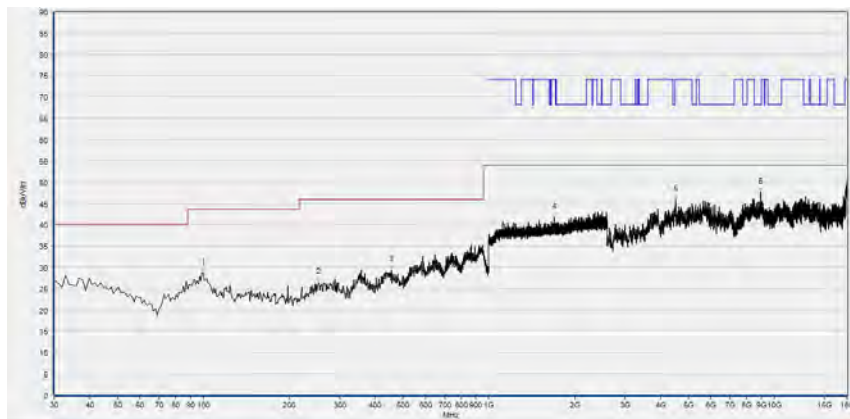
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 96.997     | 28.74       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 356.246    | 30.37       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1801.334   | 41.99       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 3681.296   | 45.24       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 5406.441   | 45.66       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 10788.278  | 45.98       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

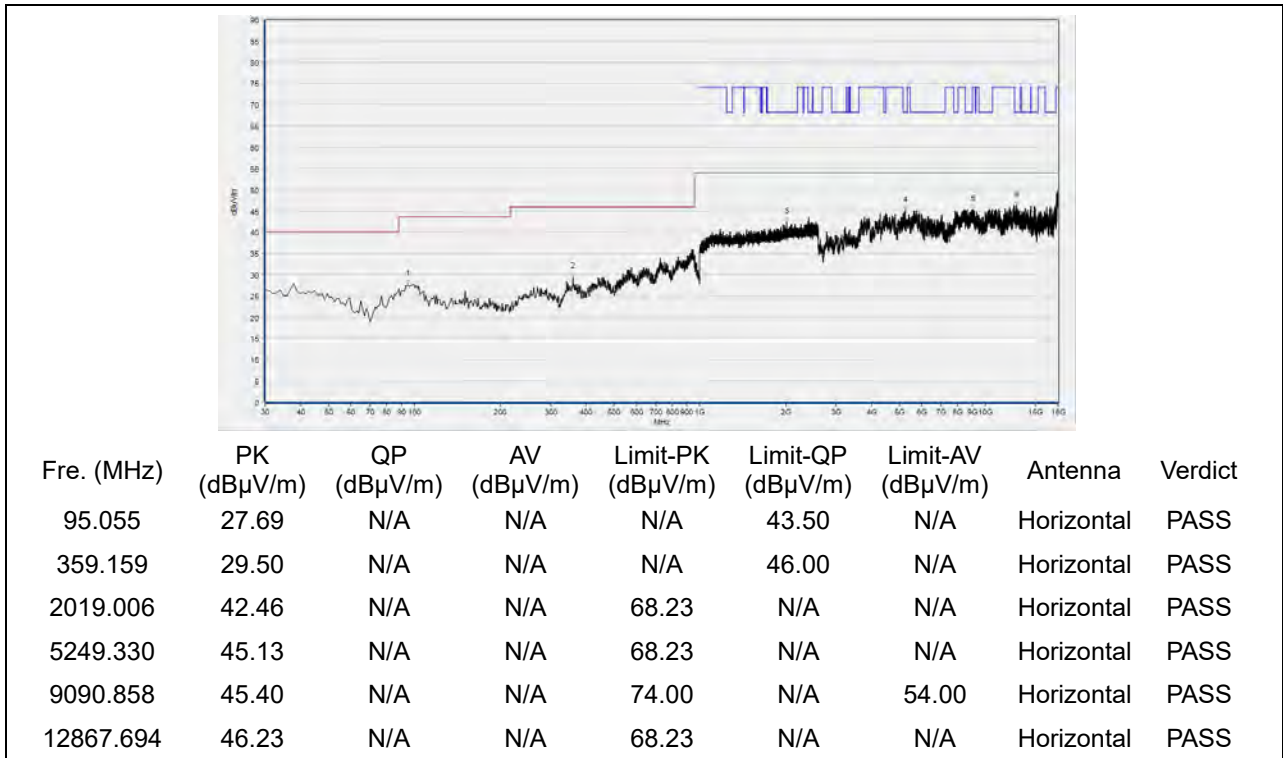
(Antenna Horizontal, 30MHz to 18GHz)



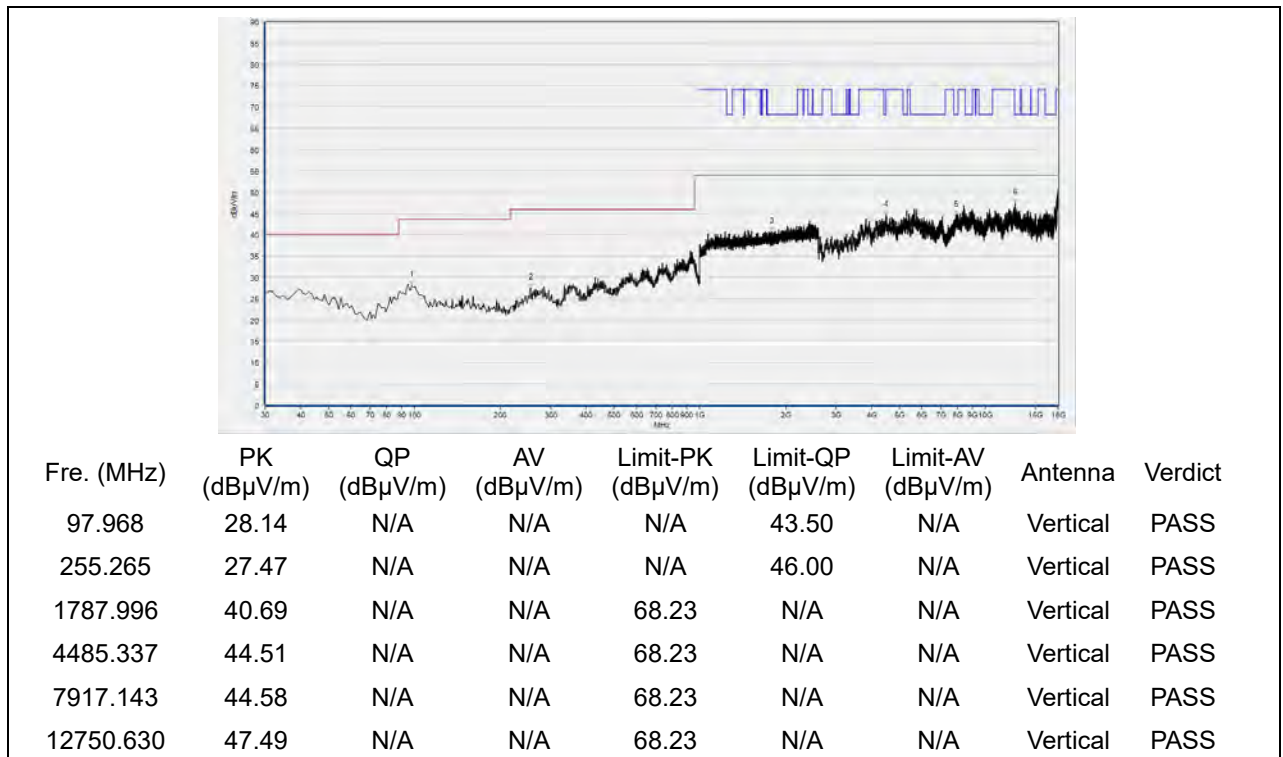
| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 99.910     | 28.60       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 252.352    | 26.43       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 455.285    | 29.25       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1690.363   | 41.71       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 4503.821   | 45.85       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 8979.956   | 47.53       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 48

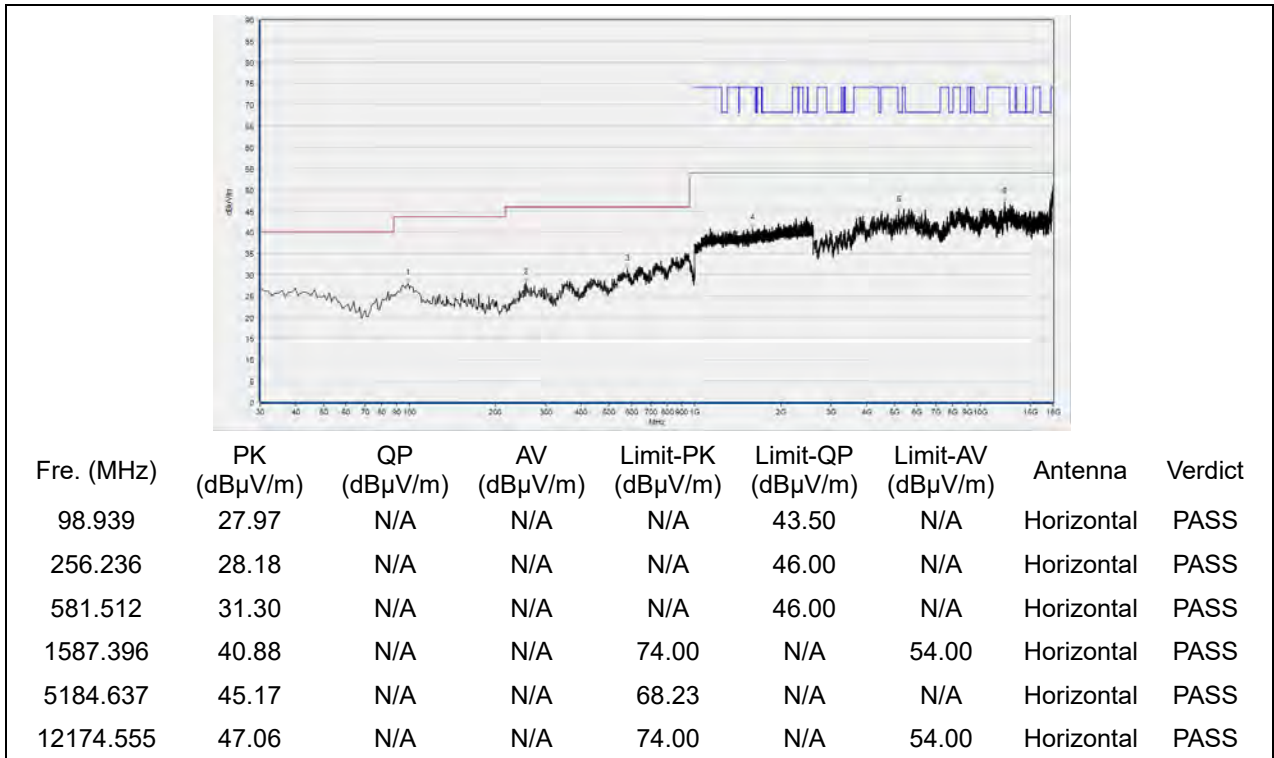


(Antenna Horizontal, 30MHz to 18GHz)

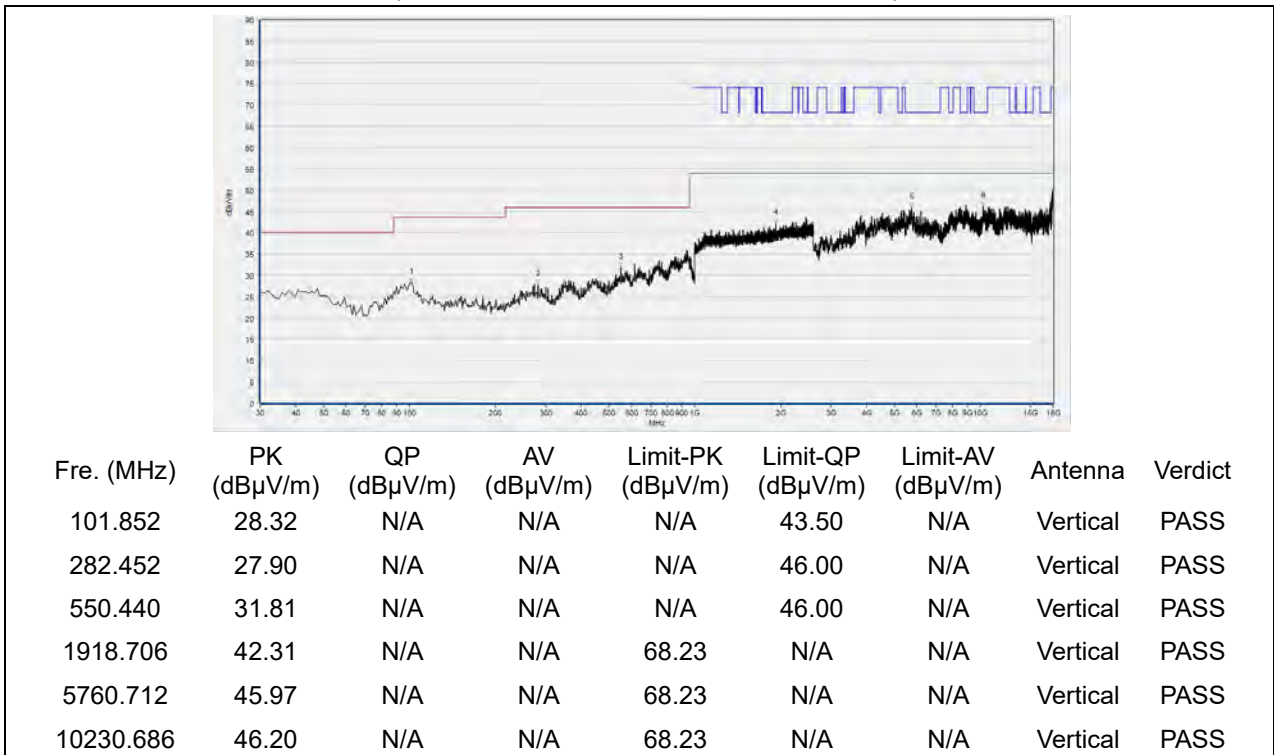


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 52

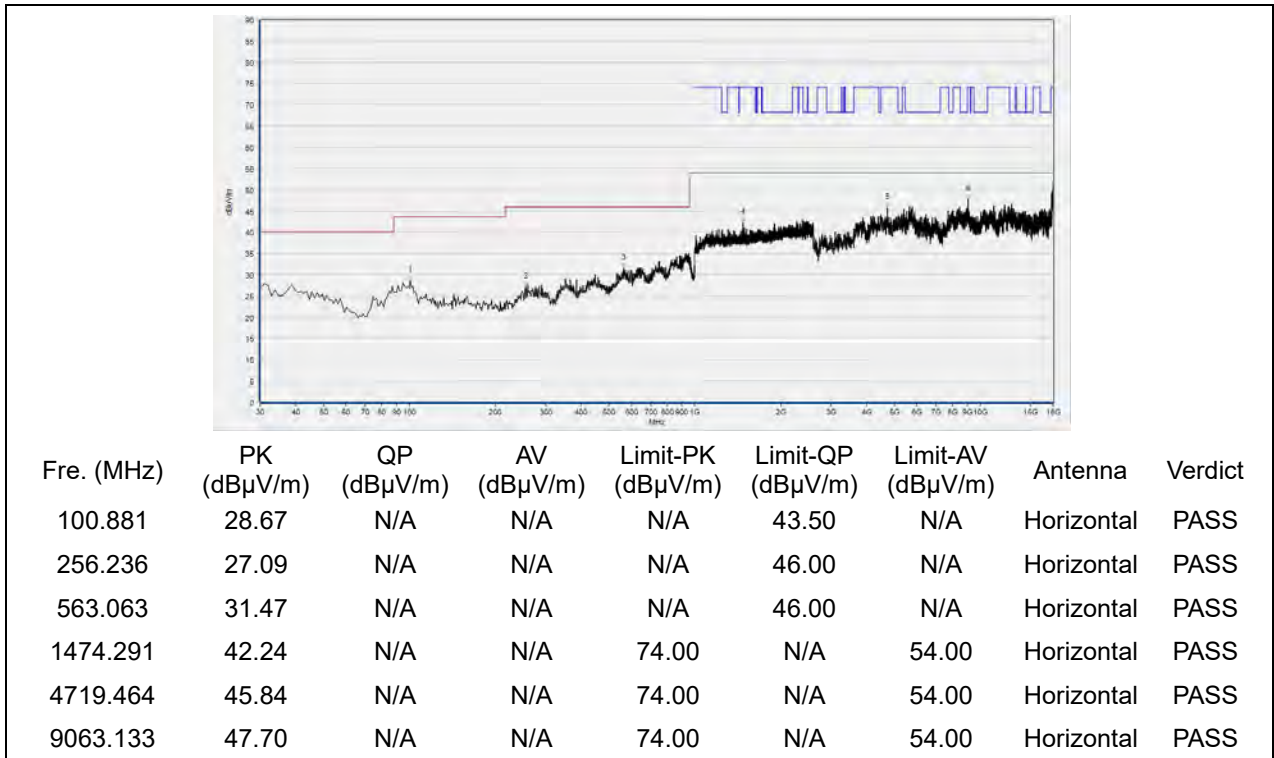


(Antenna Horizontal, 30MHz to 18GHz)

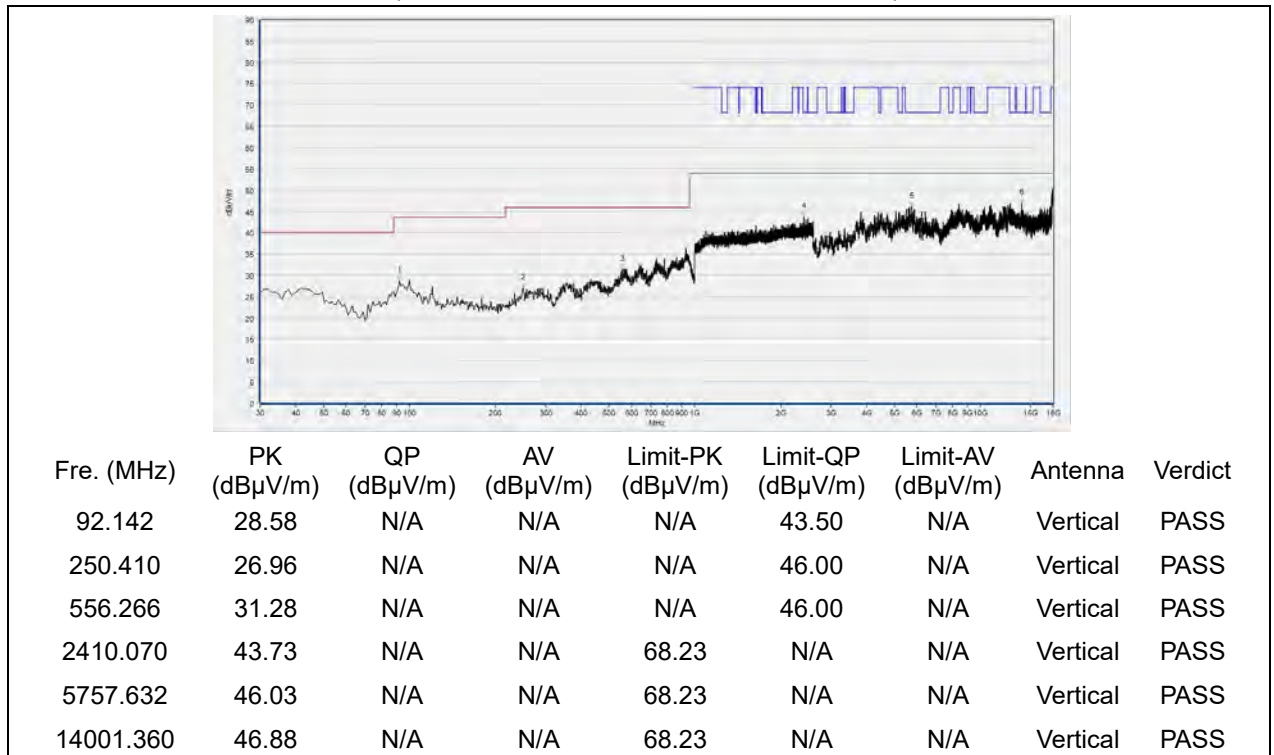


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 60



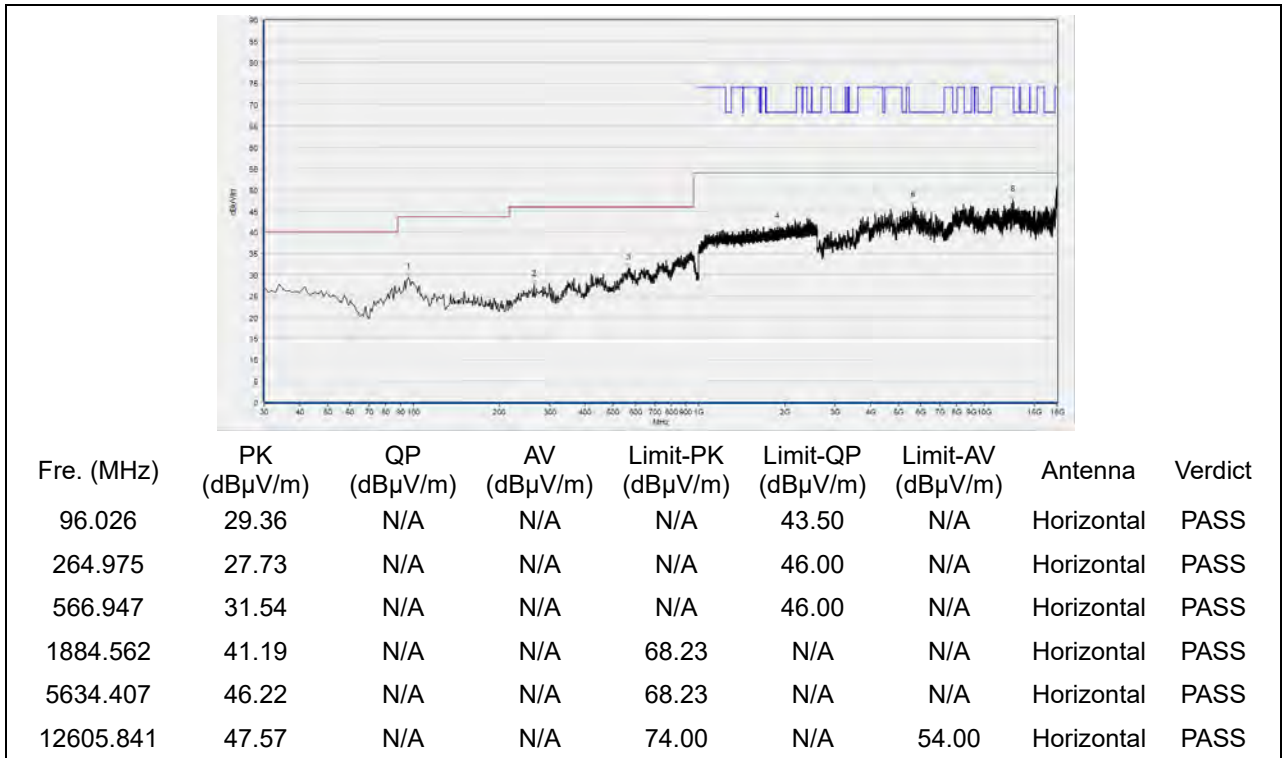
(Antenna Horizontal, 30MHz to 18GHz)



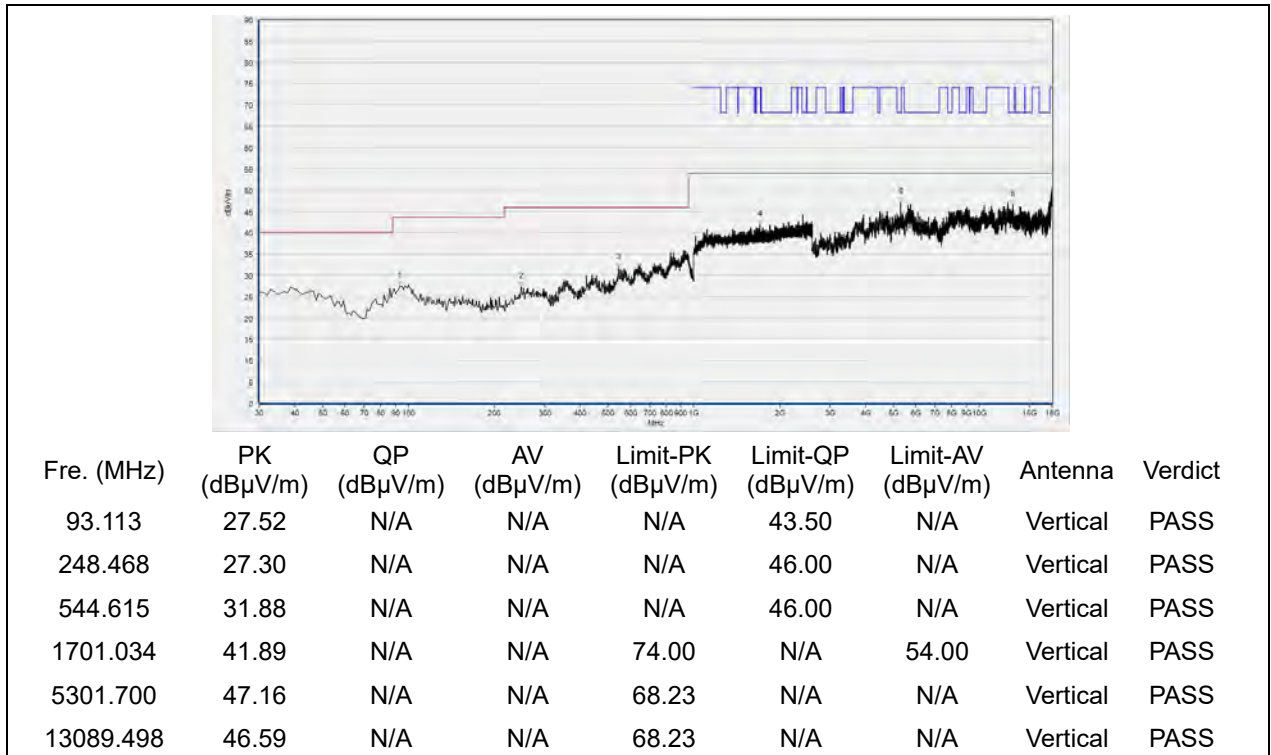
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 64



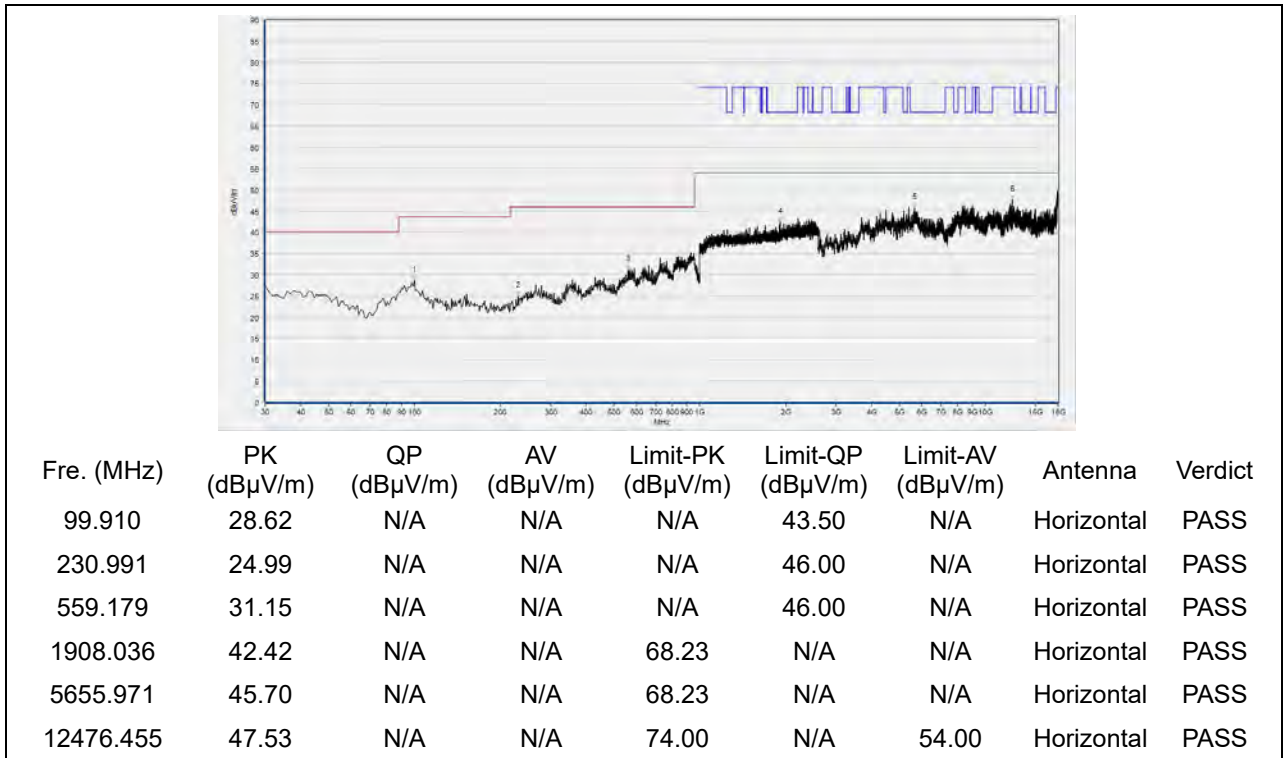
(Antenna Horizontal, 30MHz to 18GHz)



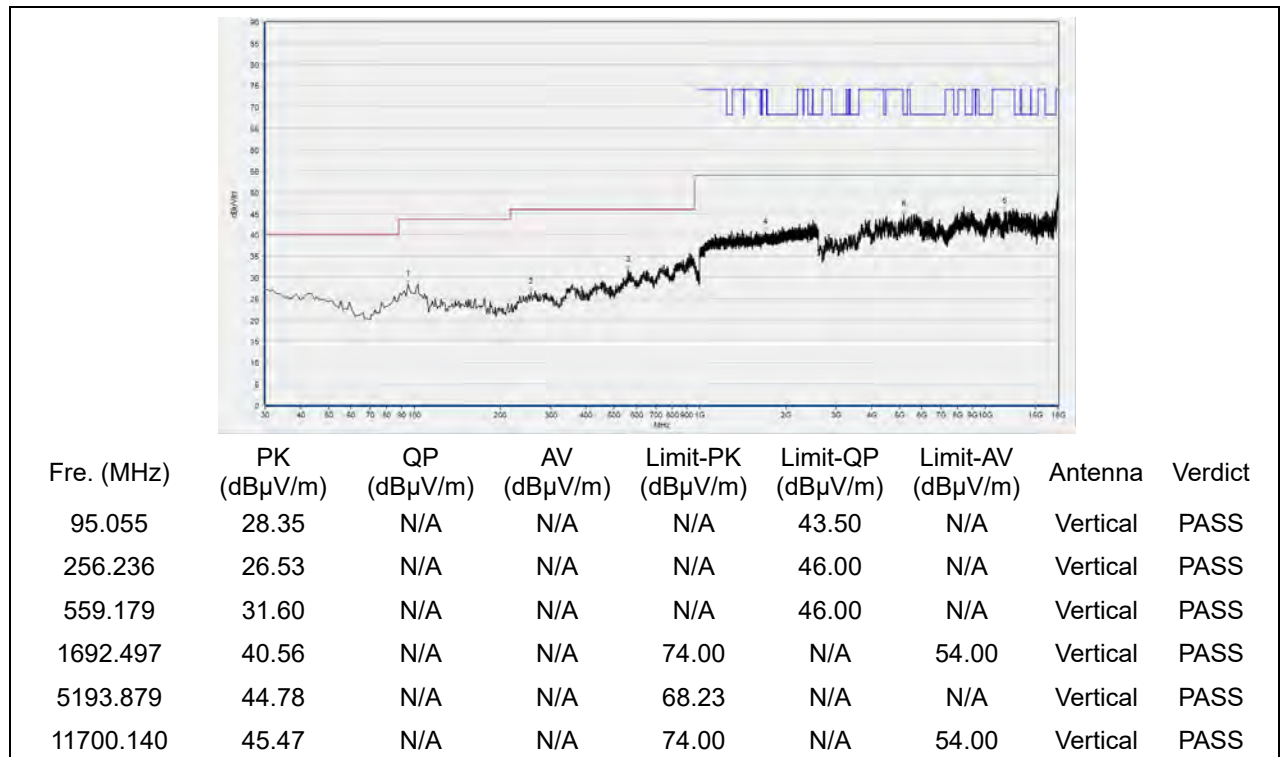
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 149

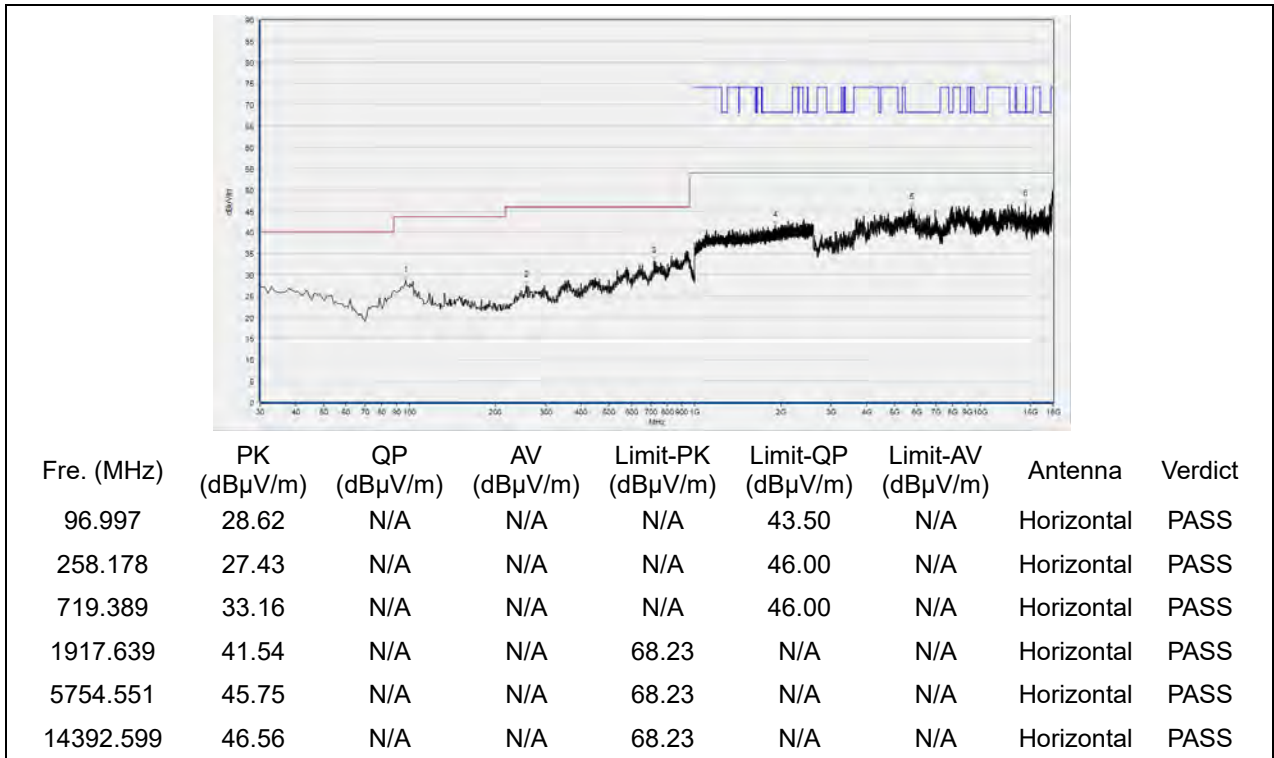


(Antenna Horizontal, 30MHz to 18GHz)

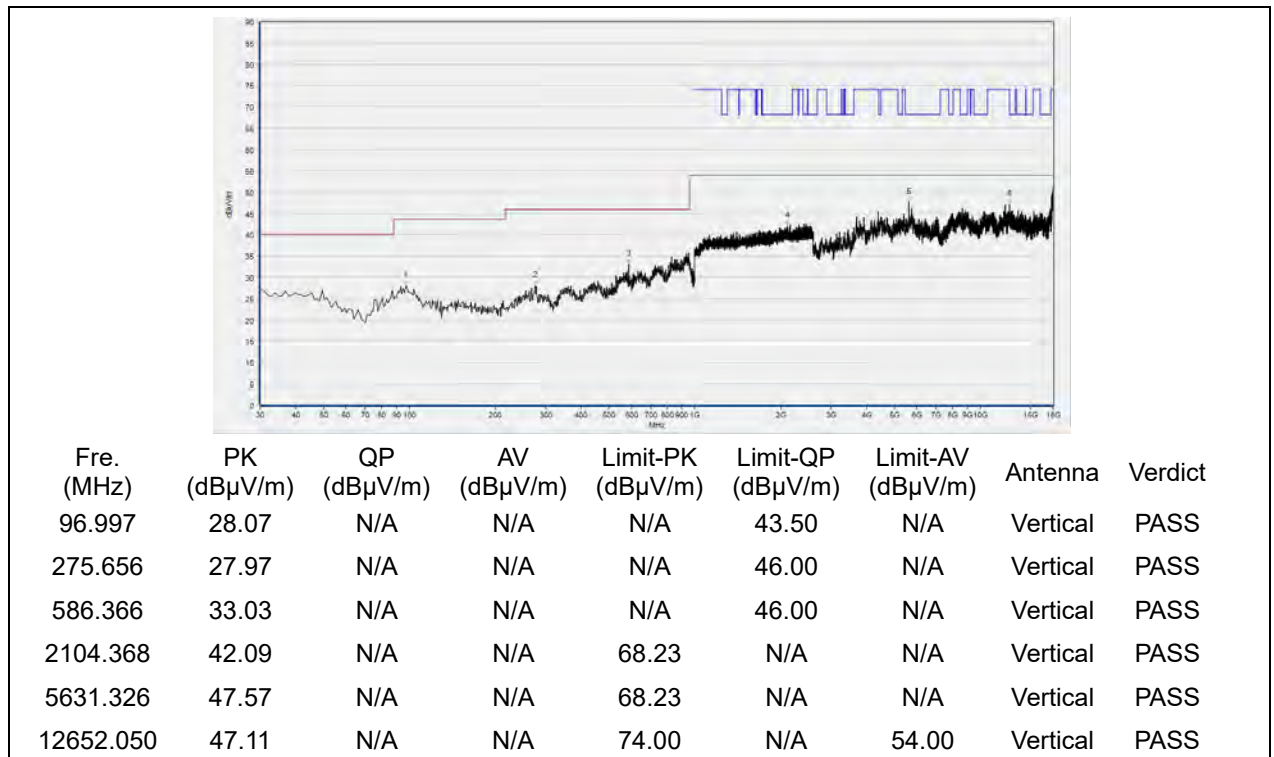


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 157

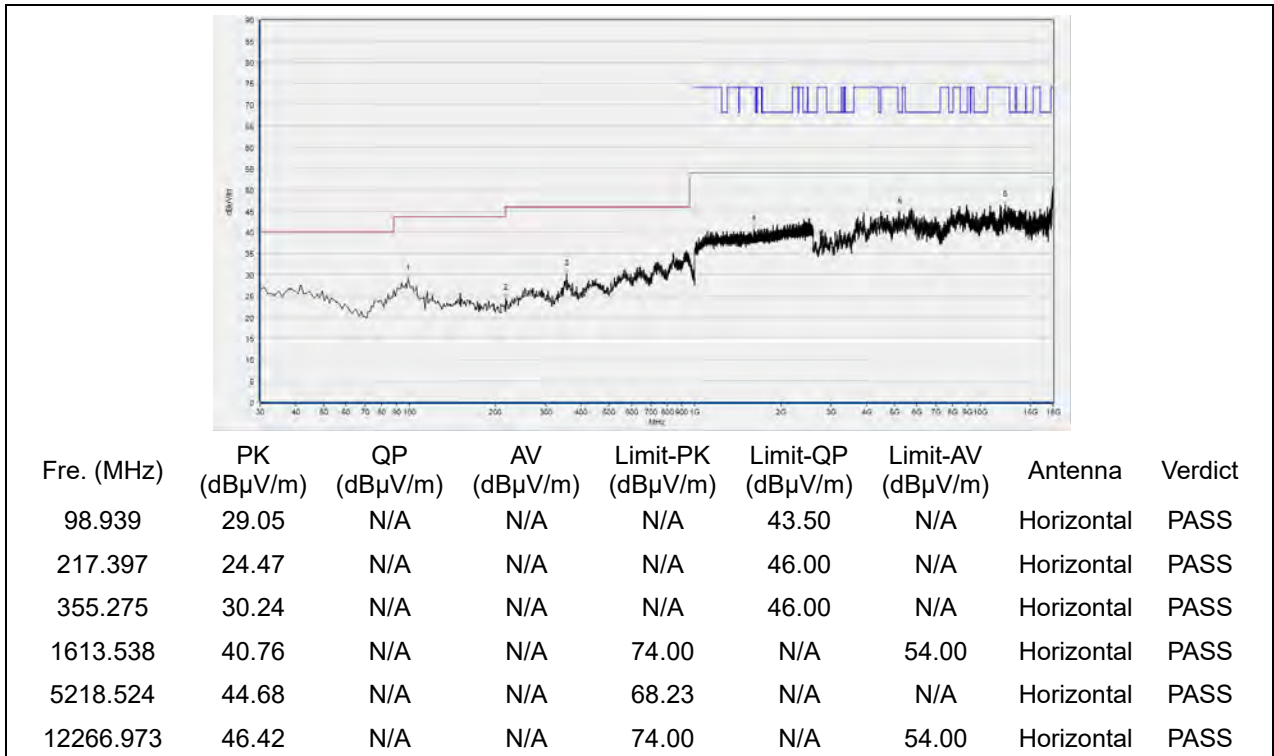


(Antenna Horizontal, 30MHz to 18GHz)

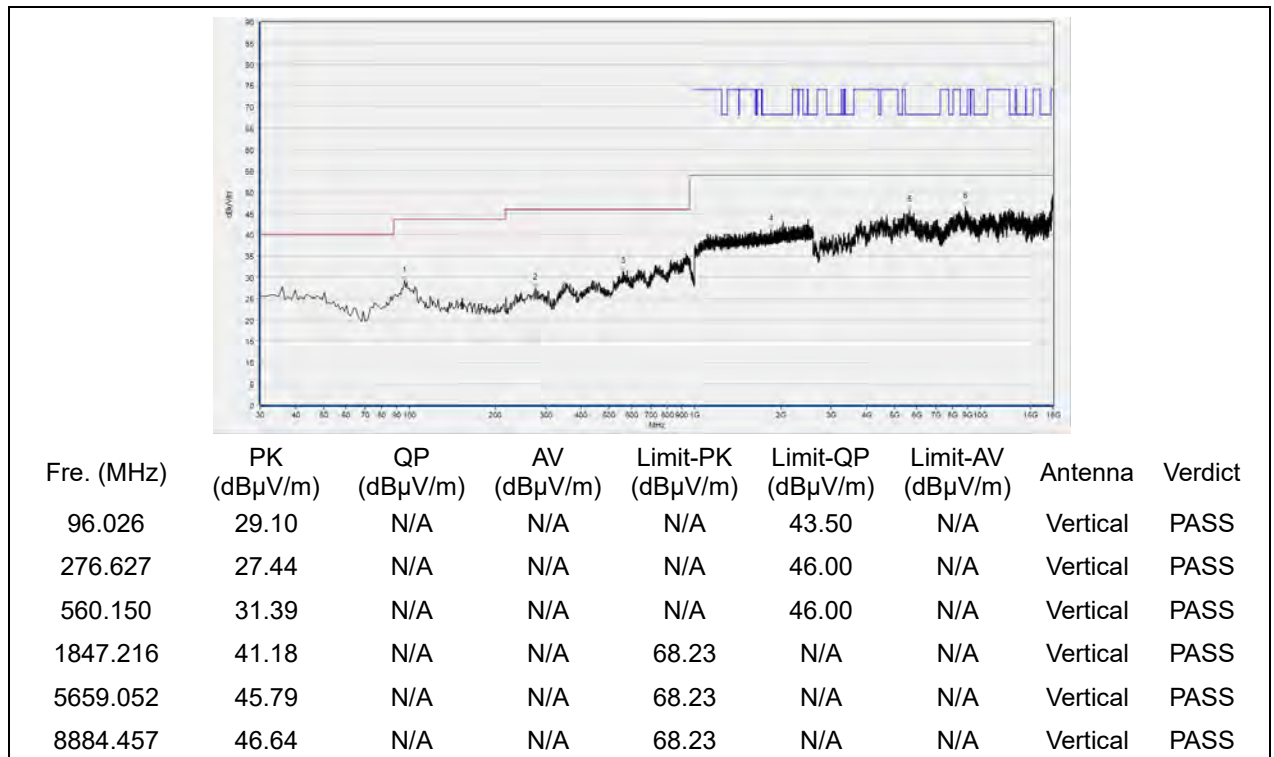


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



(Antenna Horizontal, 30MHz to 18GHz)

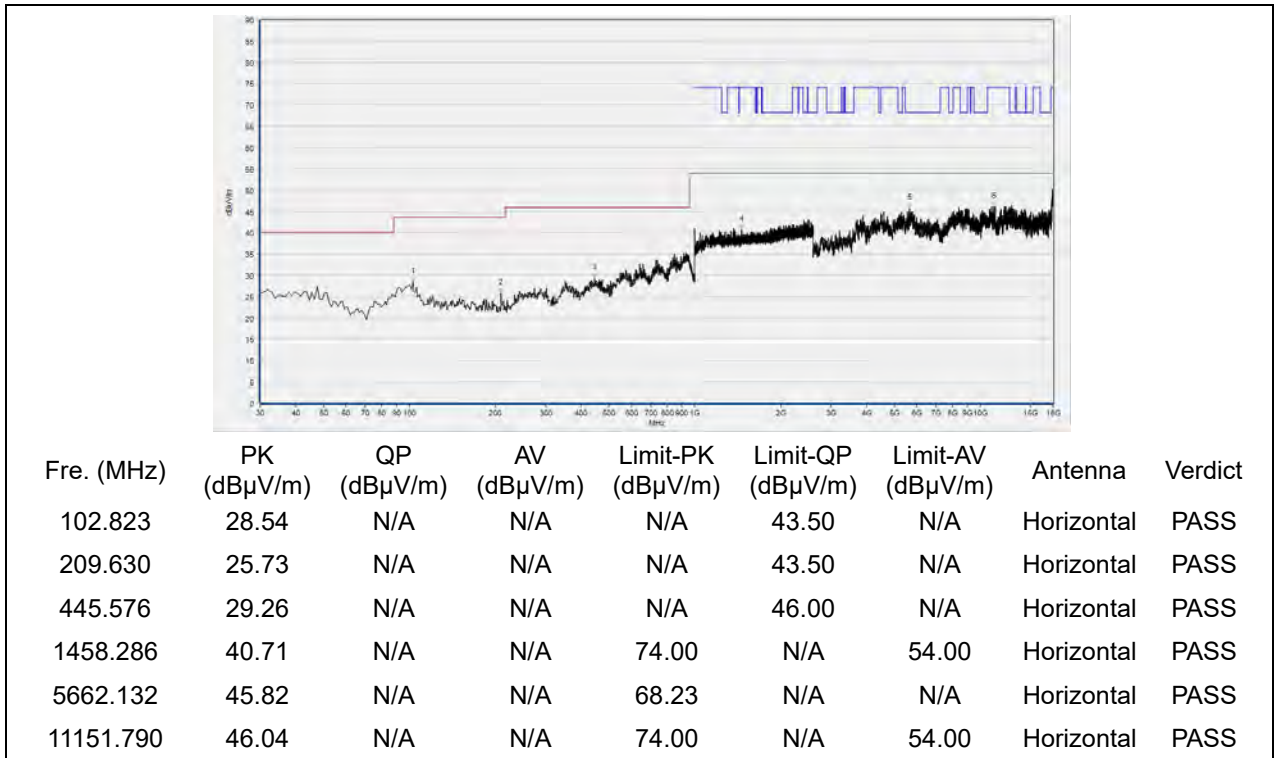


(Antenna Vertical, 30MHz to 18GHz)

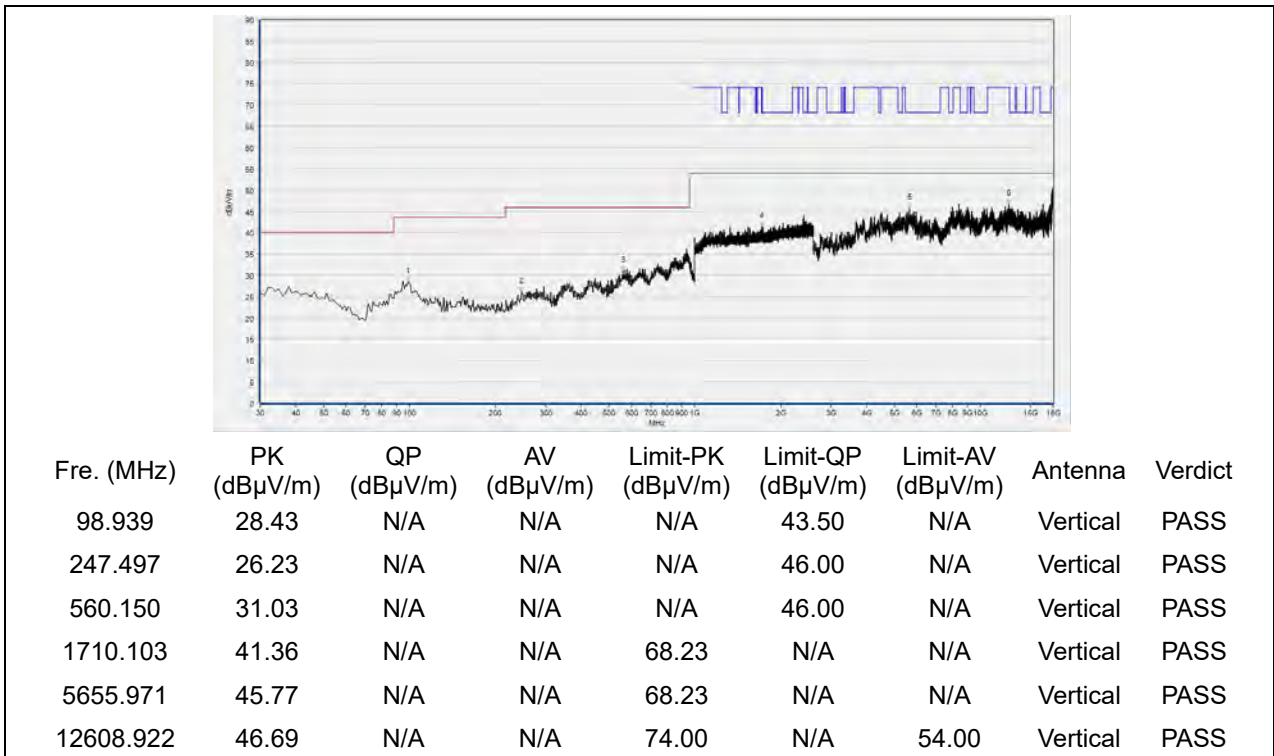


**802.11ax (HEW20) RU106 Mode**

Plot for Channel 36

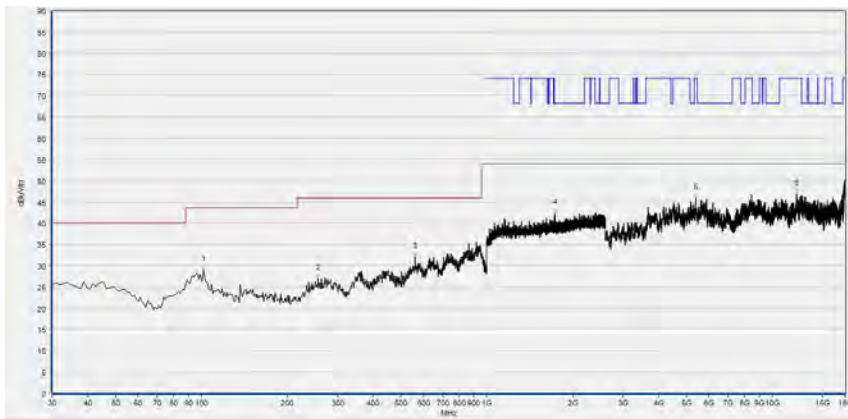


(Antenna Horizontal, 30MHz to 18GHz)



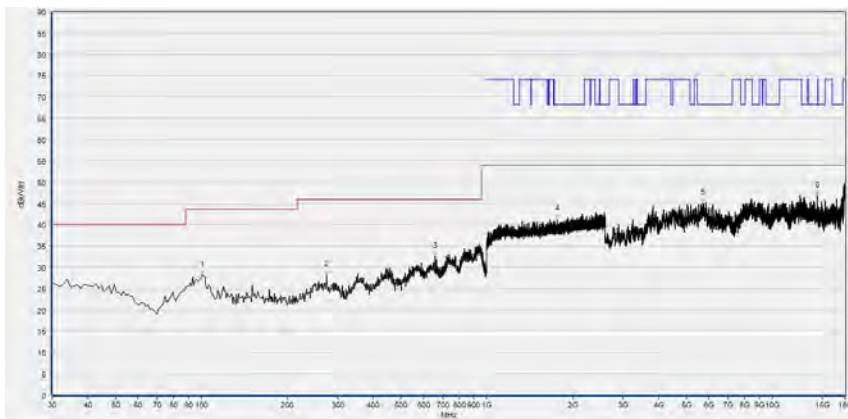
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 44



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 101.852    | 28.98       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 256.236    | 26.95       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 562.092    | 31.94       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1731.977   | 42.38       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5400.280   | 45.84       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 12146.829  | 47.00       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

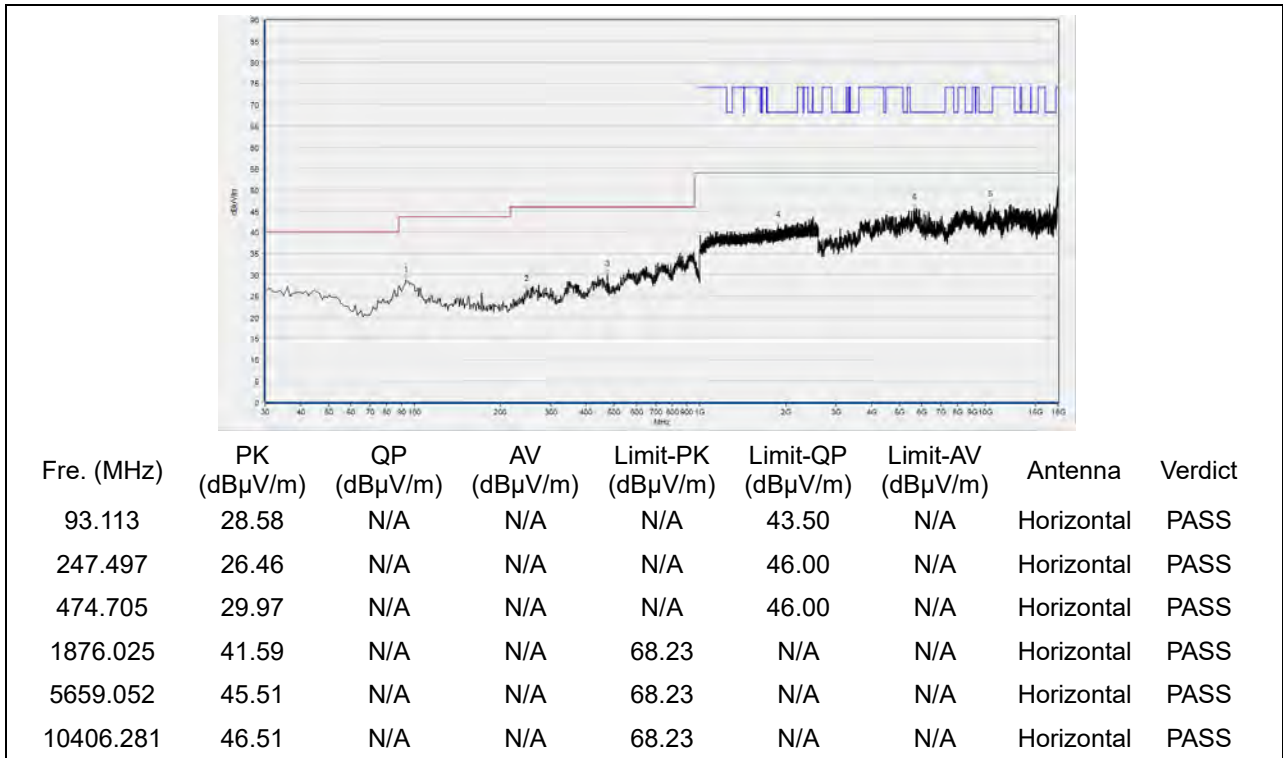


| Fre. (MHz) | PK (dBµV/m) | QP (dBµV/m) | AV (dBµV/m) | Limit-PK (dBµV/m) | Limit-QP (dBµV/m) | Limit-AV (dBµV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 100.881    | 28.21       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 274.685    | 28.10       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 660.160    | 32.50       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1768.790   | 41.24       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5726.825   | 45.15       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 14392.599  | 46.80       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

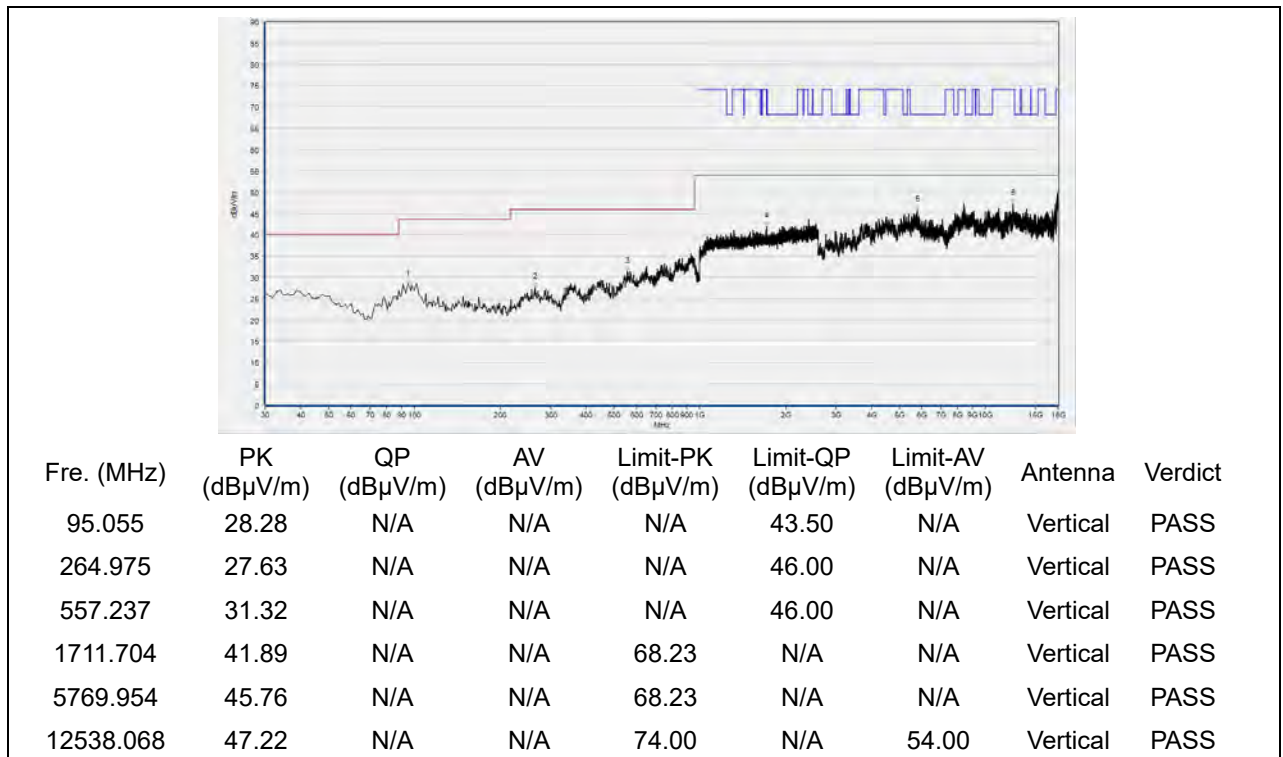
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 48

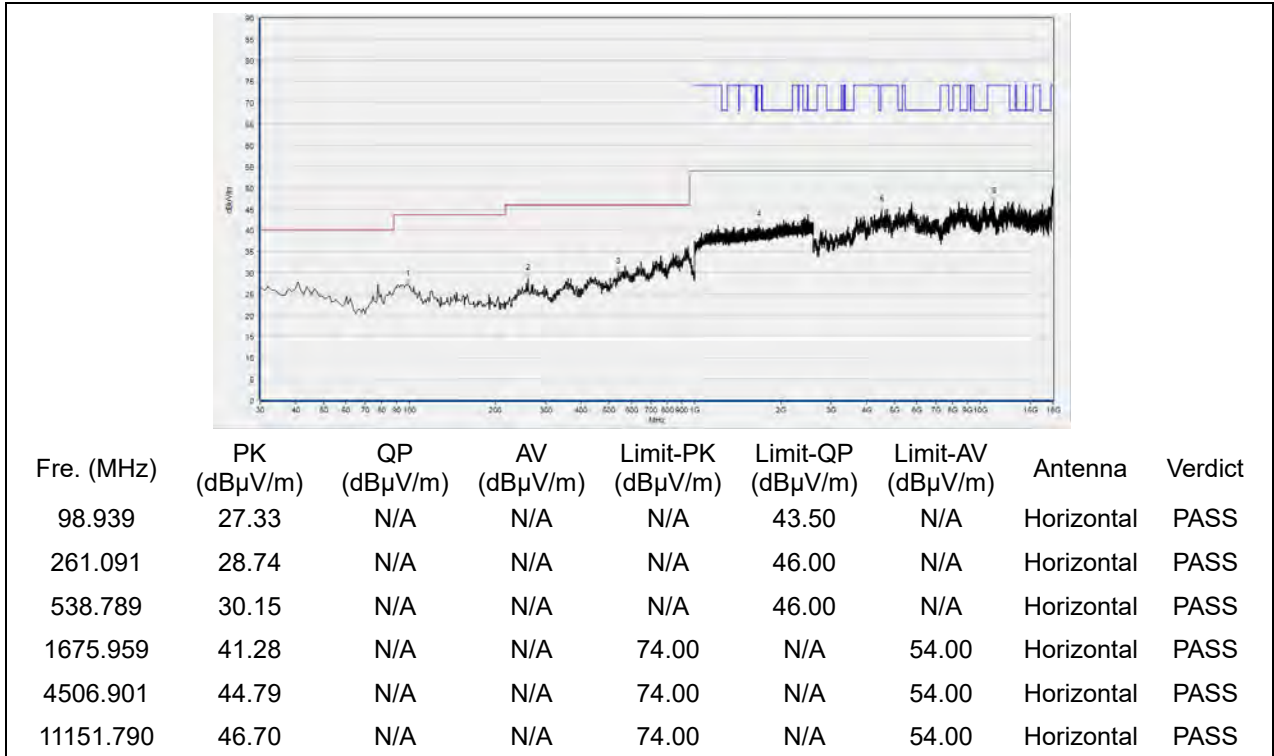


(Antenna Horizontal, 30MHz to 18GHz)

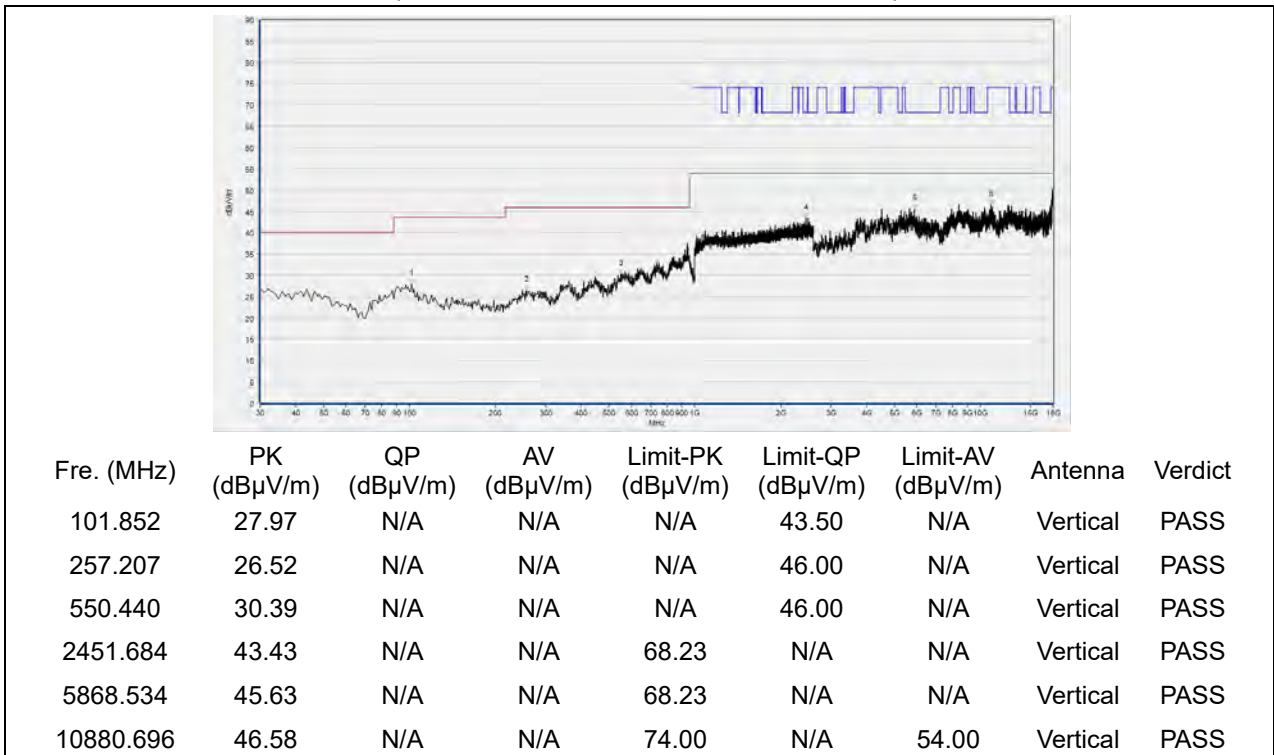


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 52

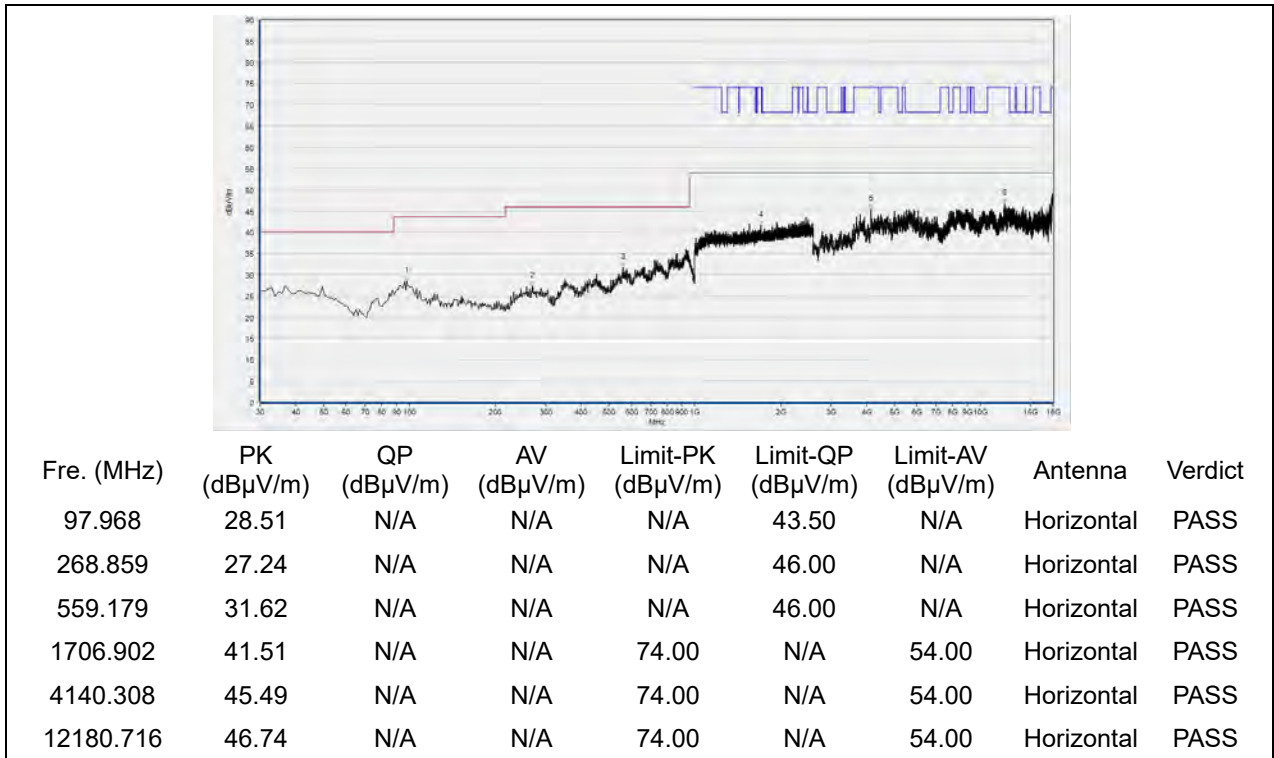


(Antenna Horizontal, 30MHz to 18GHz)

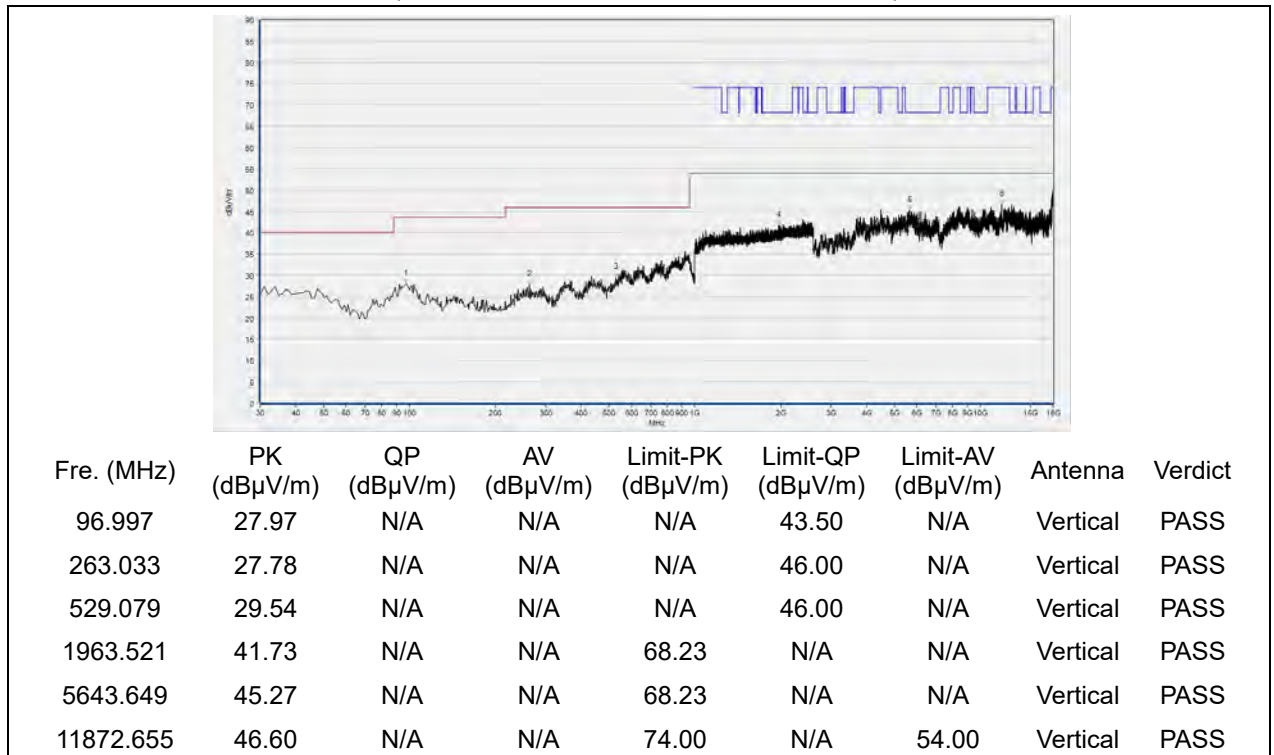


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 60

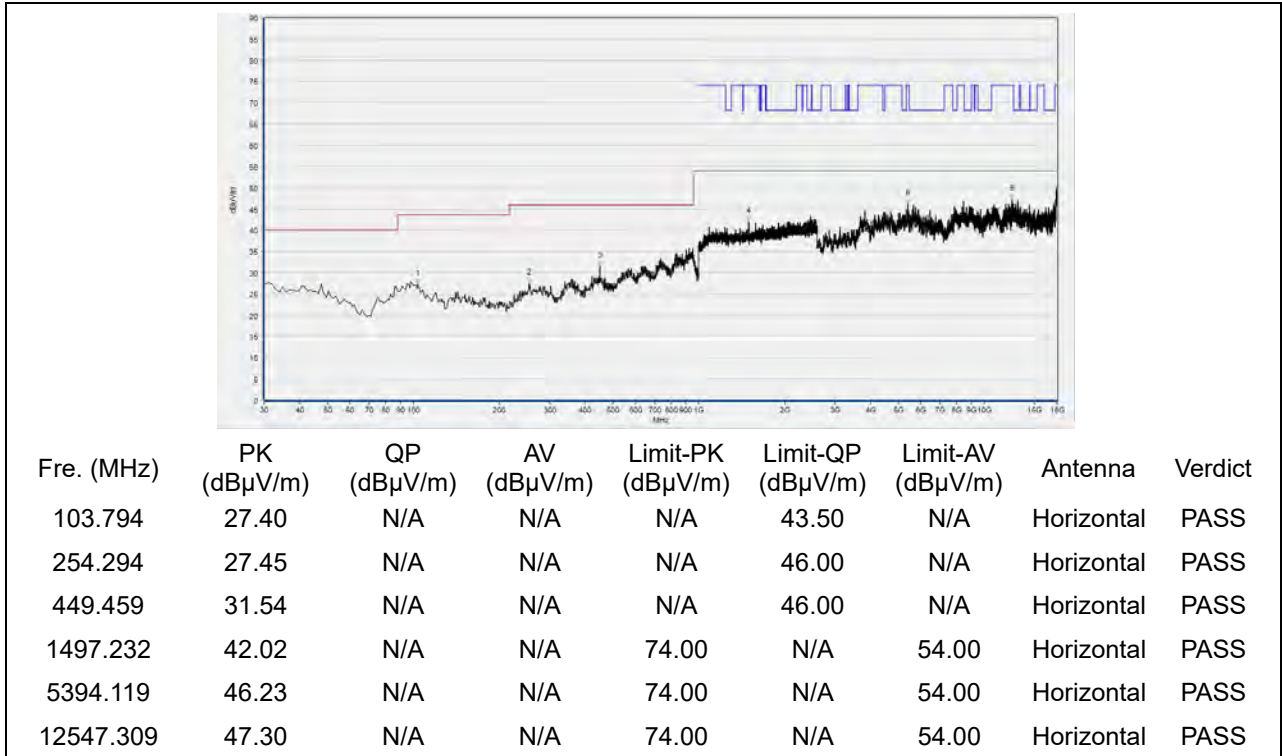


(Antenna Horizontal, 30MHz to 18GHz)

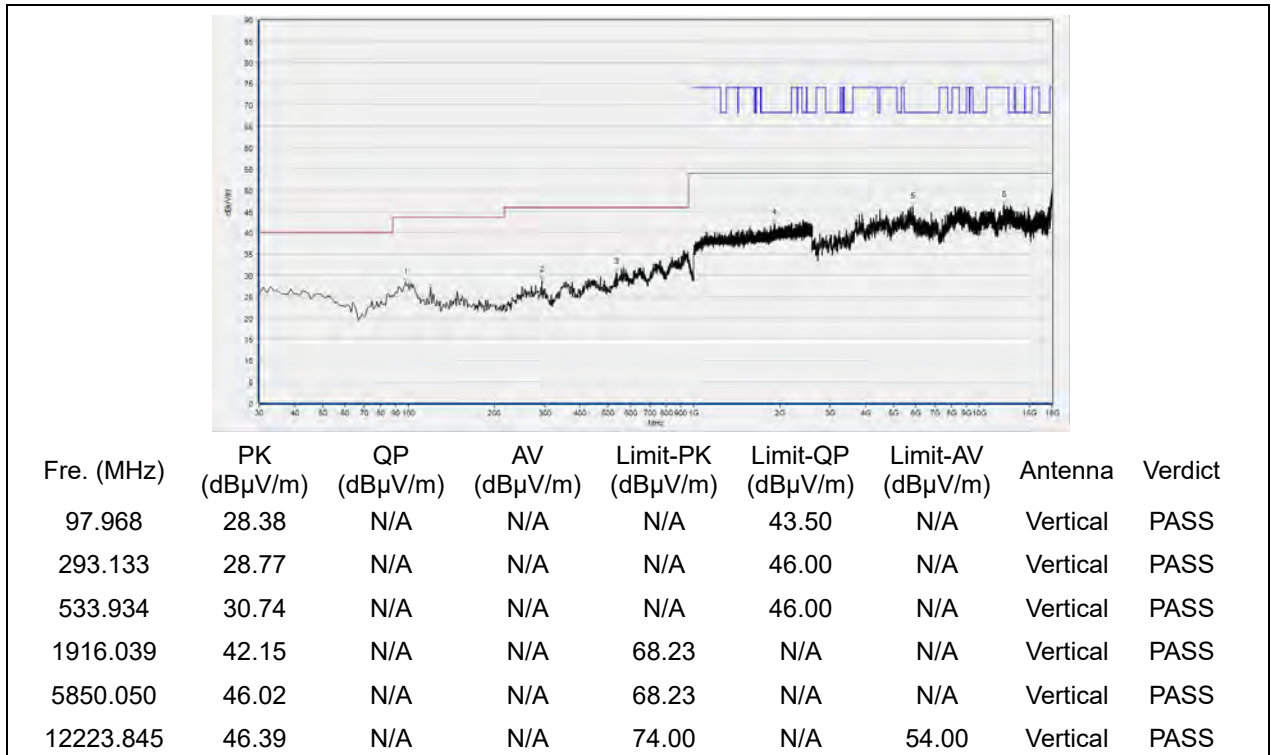


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 64

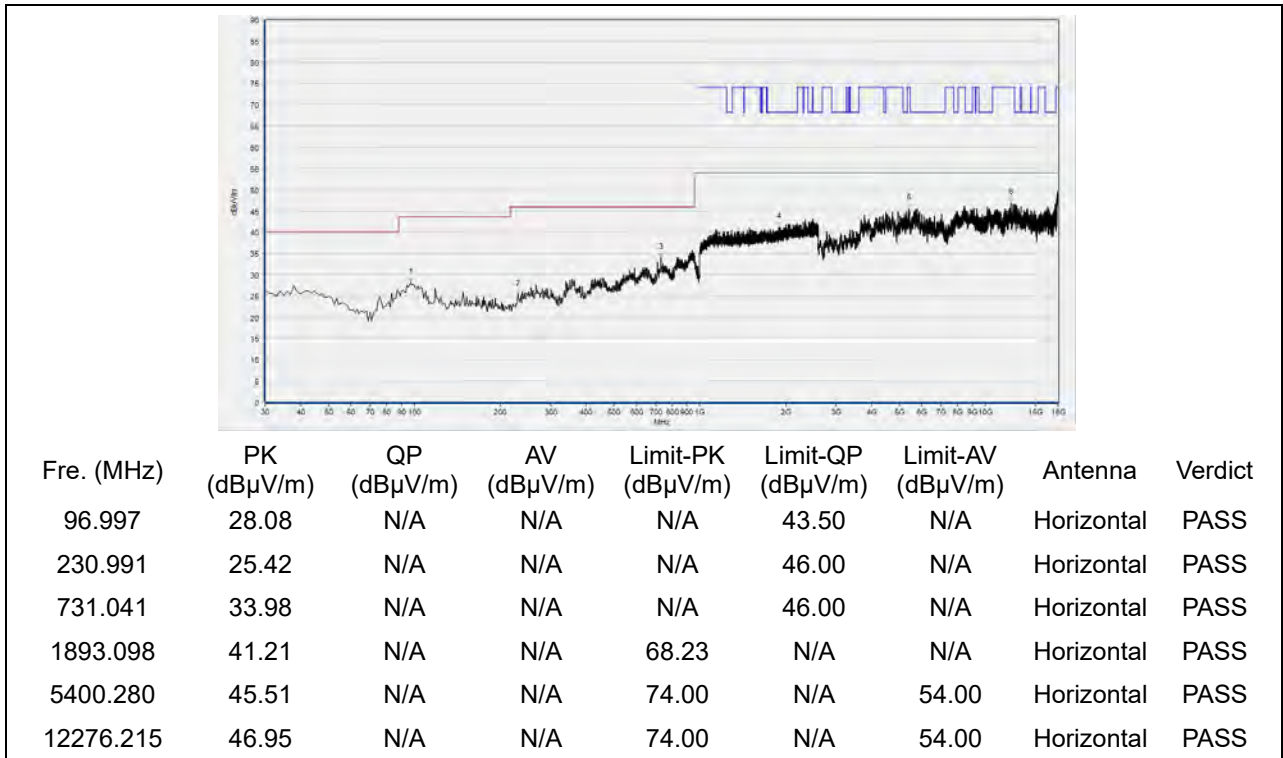


(Antenna Horizontal, 30MHz to 18GHz)

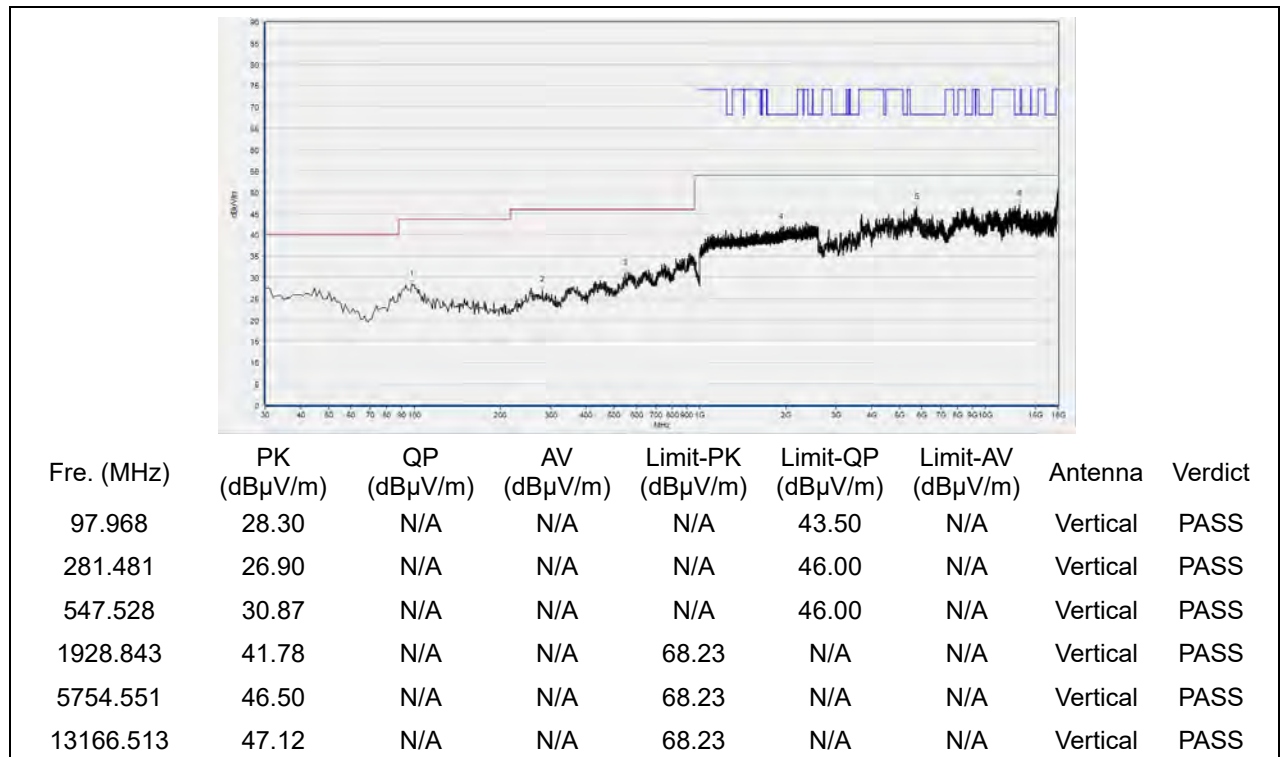


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 149



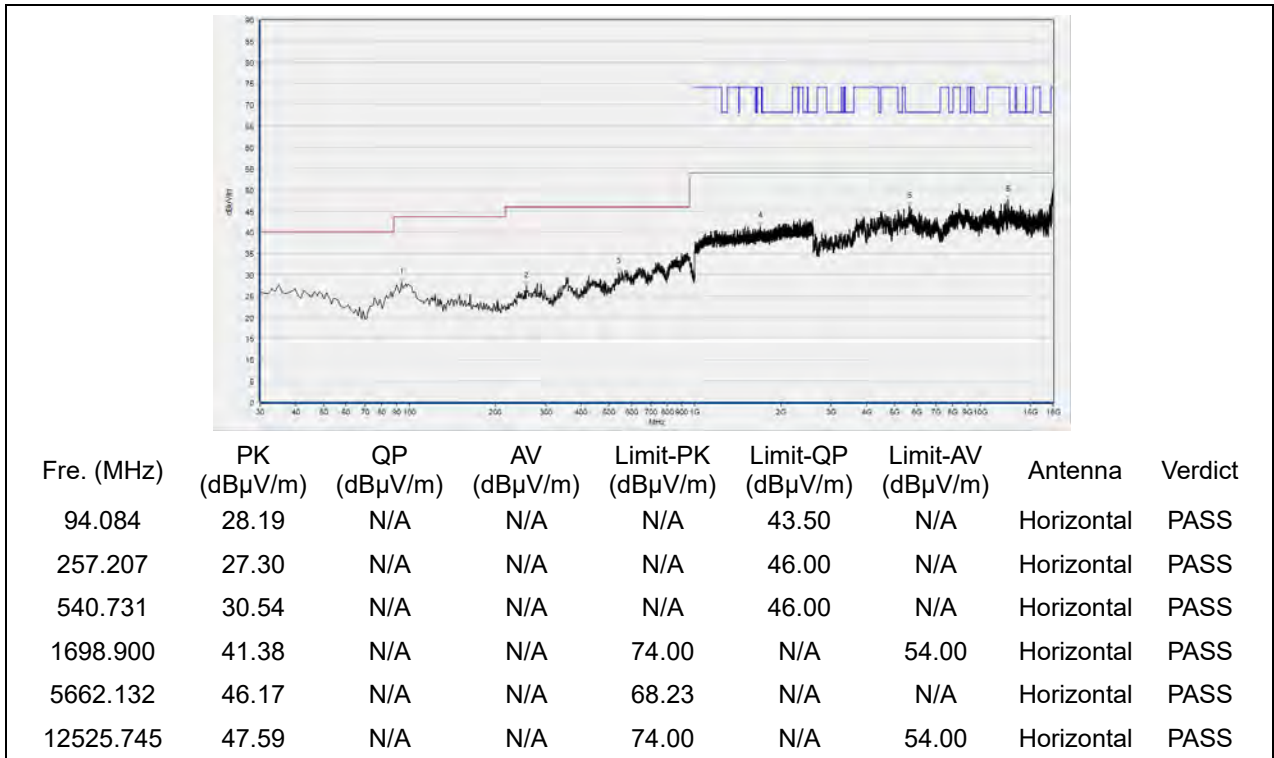
(Antenna Horizontal, 30MHz to 18GHz)



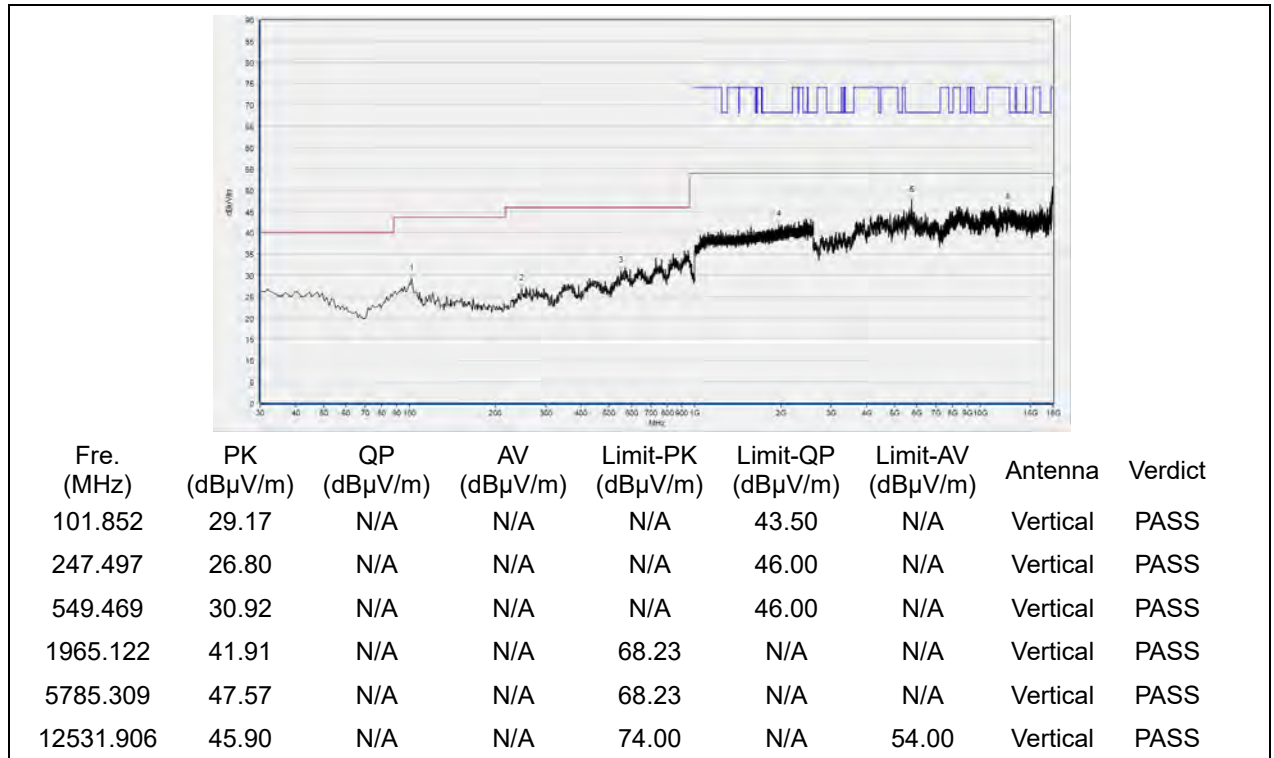
(Antenna Vertical, 30MHz to 18GHz)



Plot for Channel 157

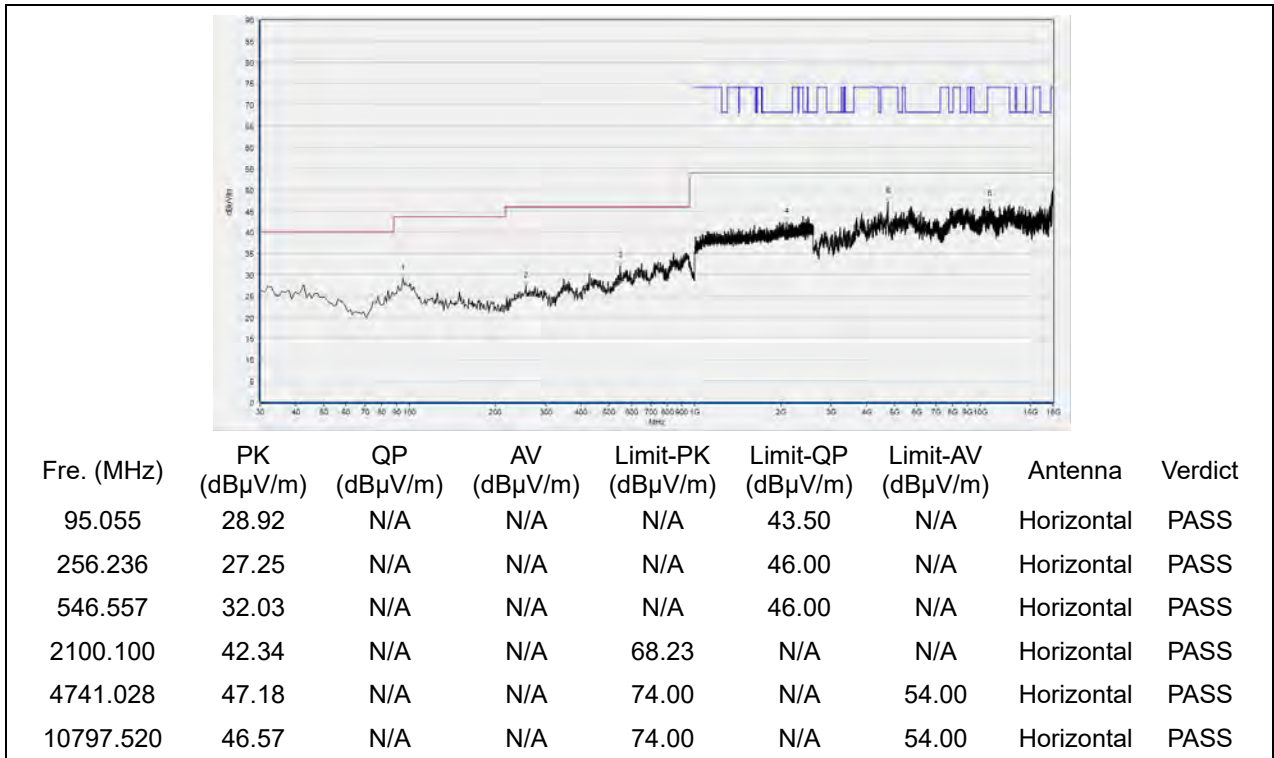


(Antenna Horizontal, 30MHz to 18GHz)

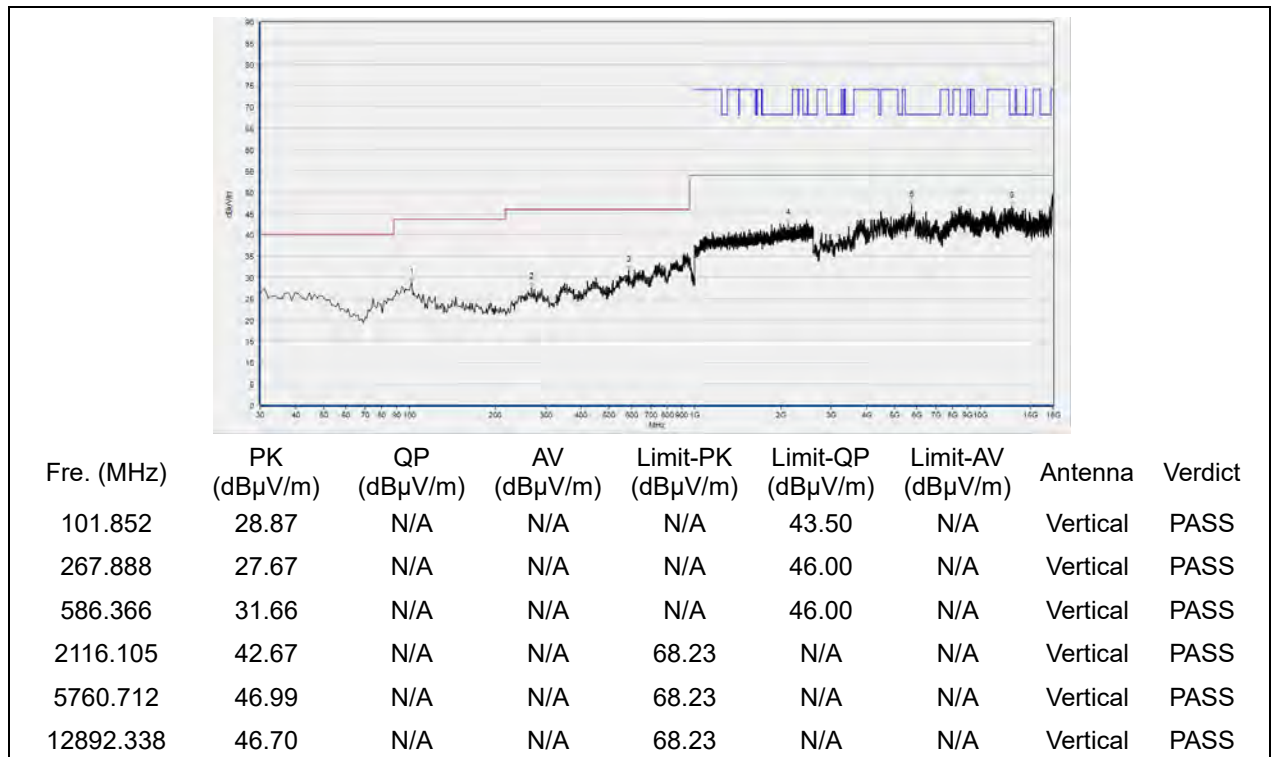


(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



(Antenna Horizontal, 30MHz to 18GHz)



(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                  | $\pm 5\%$           |
| 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>    | Morlab Laboratory of 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>    | Morlab Laboratory of 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                 | Serial No. | Type        | Manufacturer | Cal. Date  | Due Date   |
|---------------------------|------------|-------------|--------------|------------|------------|
| Attenuator 1              | N/A        | 10dB        | Resnet       | N/A        | N/A        |
| EXA Signal Analyzer       | MY53470836 | N9010A      | Agilent      | 2020.04.01 | 2021.03.31 |
|                           |            |             |              | 2021.03.25 | 2022.03.24 |
| USB Wideband Power Sensor | MY54210011 | U2021XA     | Agilent      | 2020.04.01 | 2021.03.31 |
|                           |            |             |              | 2021.03.25 | 2022.03.24 |
| 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        |
| Temperature Chamber       | 12108015   | DTL-003S101 | YOMA         | 2020.10.26 | 2021.10.25 |

##### 4.2 Conducted Emission Test Equipments

| Equipment Name                   | Serial No.         | Type        | Manufacturer | Cal. Date  | Due Date   |
|----------------------------------|--------------------|-------------|--------------|------------|------------|
| Receiver                         | MY56400093         | N9038A      | KEYSIGHT     | 2021.03.09 | 2022.03.08 |
| LISN                             | 812744             | NSLK 8127   | Schwarzbeck  | 2021.03.09 | 2022.03.08 |
| Pulse Limiter (10dB)             | VTSD 9561 F-B #206 | VTSD 9561-F | Schwarzbeck  | 2020.07.24 | 2021.07.23 |
| Coaxial Cable(BNC) (30MHz-26GHz) | CB01               | EMC01       | Morlab       | N/A        | N/A        |

##### 4.3 List of Software Used

| Description      | Manufacturer | Software Version |
|------------------|--------------|------------------|
| Test System      | Tonscend     | V2.6             |
| Power Panel      | Agilent      | V3.8             |
| 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      | 2020.07.21 | 2021.07.20 |
| Test Antenna - Bi-Log                | 9163-519      | VULB 9163      | Schwarzbeck  | 2019.05.24 | 2022.05.23 |
| Test Antenna - Horn                  | BBHA9170 #774 | BBHA 9170      | Schwarzbeck  | 2019.07.26 | 2022.07.25 |
| Test Antenna - Loop                  | 1519-022      | FMZB1519       | Schwarzbeck  | 2019.02.14 | 2022.02.13 |
| Test Antenna - Horn                  | 01774         | BBHA 9120D     | Schwarzbeck  | 2019.07.26 | 2022.07.25 |
| 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   | S020180L32 03  | Tonscend     | 2020.07.21 | 2021.07.20 |
| 18-26.5GHz pre-Amplifier             | 46732         | S10M100L38 02  | Tonscend     | 2020.07.21 | 2021.07.20 |
| 26-40GHz pre-Amplifier               | 56774         | S40M400L40 02  | Tonscend     | 2020.07.21 | 2021.07.20 |
| Notch Filter                         | N/A           | WRCG-5150-5350 | Wainwright   | 2020.07.21 | 2021.07.20 |
| Notch Filter                         | N/A           | WRCG-5470-5725 | Wainwright   | 2020.07.21 | 2021.07.20 |
| Notch Filter                         | N/A           | WRCG-5725-5850 | Wainwright   | 2020.07.21 | 2021.07.20 |



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| Equipment Name   | Serial No. | Type     | Manufacturer | Cal. Date  | Due Date   |
|------------------|------------|----------|--------------|------------|------------|
| Anechoic Chamber | N/A        | 9m*6m*6m | CRT          | 2020.01.06 | 2023.01.05 |

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