

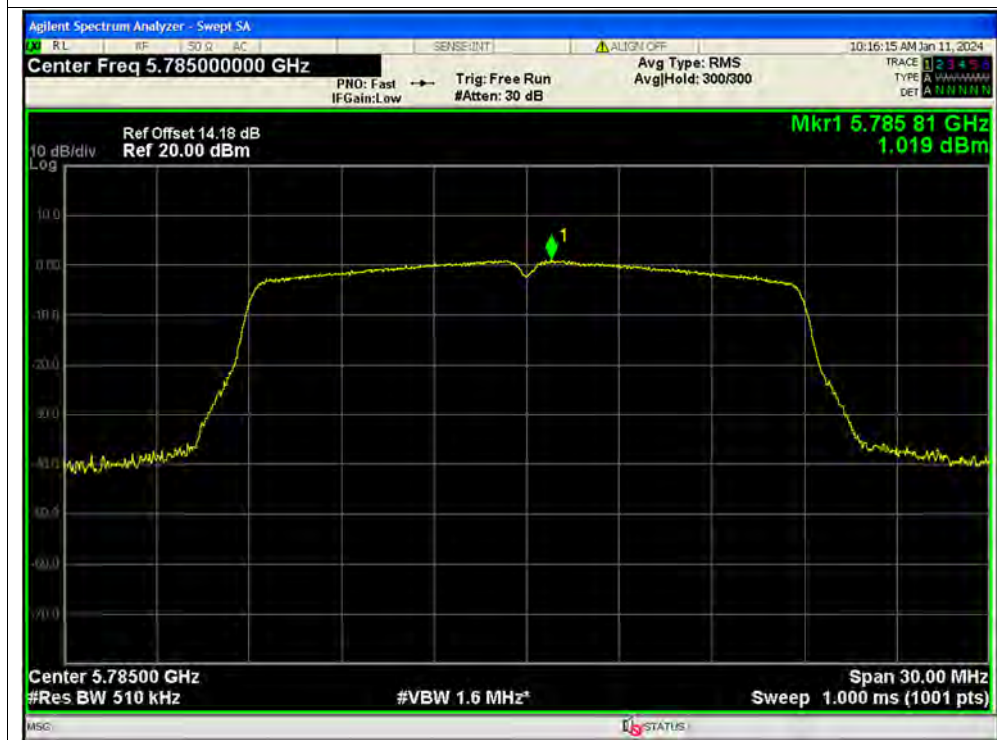
PSD NVNT n20 5720MHz Ant1



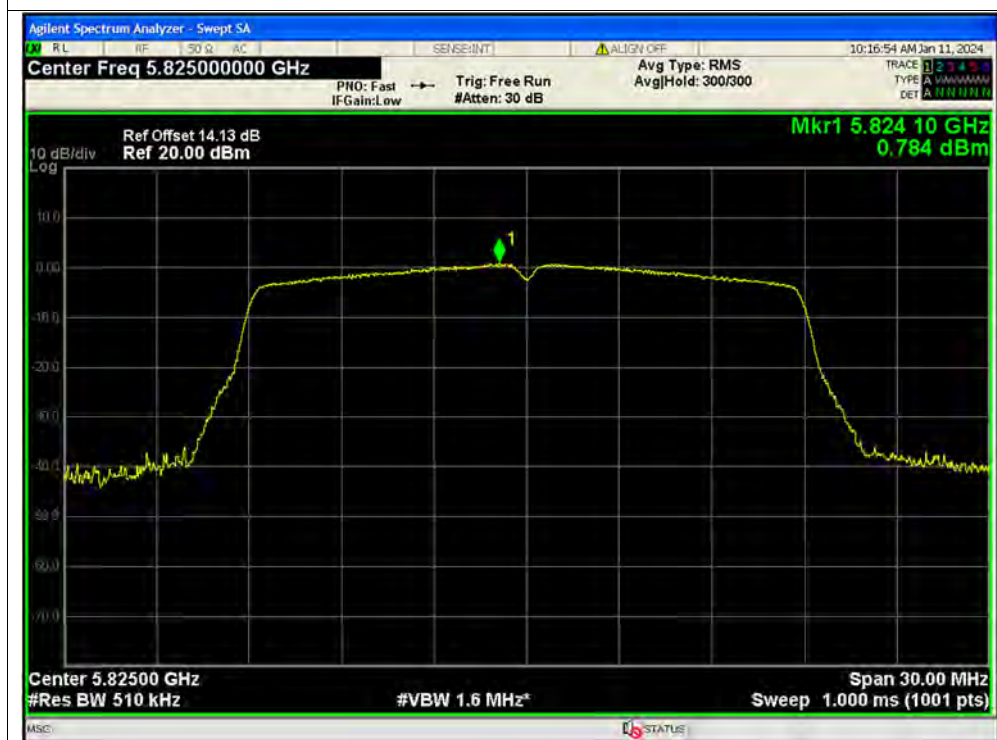
PSD NVNT n20 5745MHz Ant1



PSD NVNT n20 5785MHz Ant1

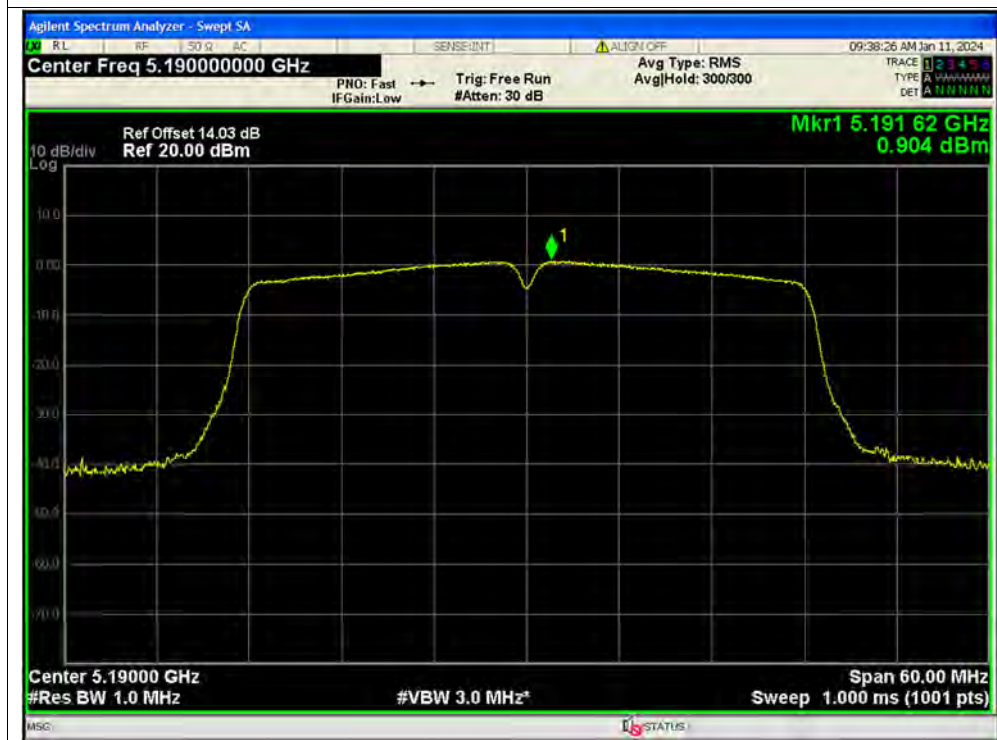


PSD NVNT n20 5825MHz Ant1





PSD NVNT n40 5190MHz Ant1



PSD NVNT n40 5230MHz Ant1





PSD NVNT n40 5270MHz Ant1



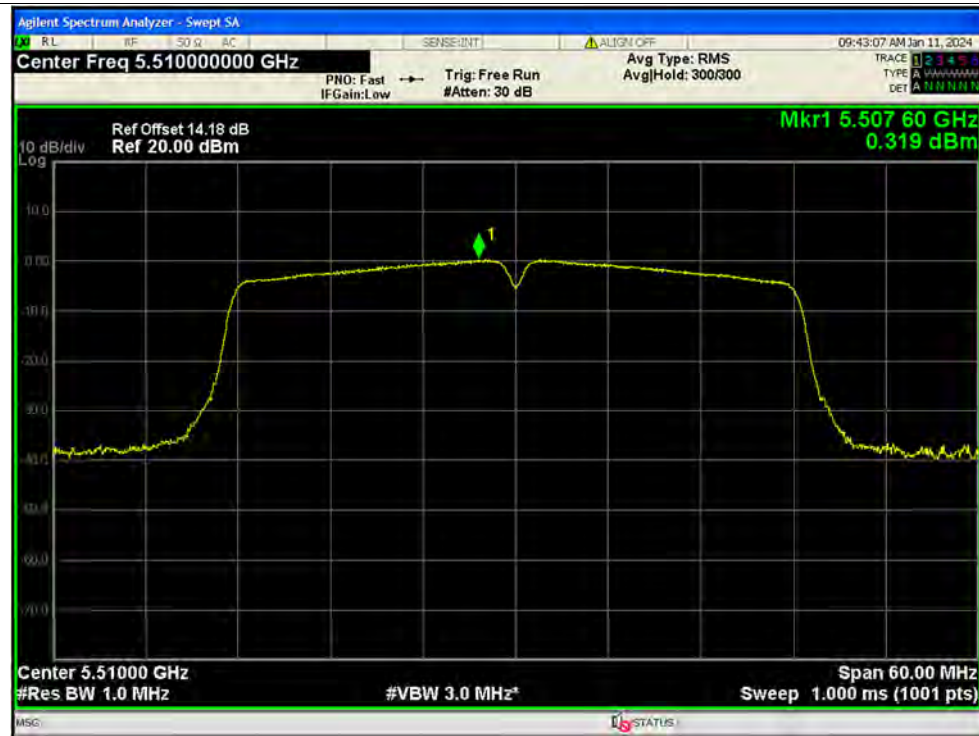
PSD NVNT n40 5310MHz Ant1







PSD NVNT n40 5510MHz Ant1



PSD NVNT n40 5630MHz Ant1



PSD NVNT n40 5710MHz Ant1



PSD NVNT n40 5755MHz Ant1



PSD NVNT n40 5795MHz Ant1



PSD NVNT ac20 5180MHz Ant1



PSD NVNT ac20 5220MHz Ant1



PSD NVNT ac20 5240MHz Ant1

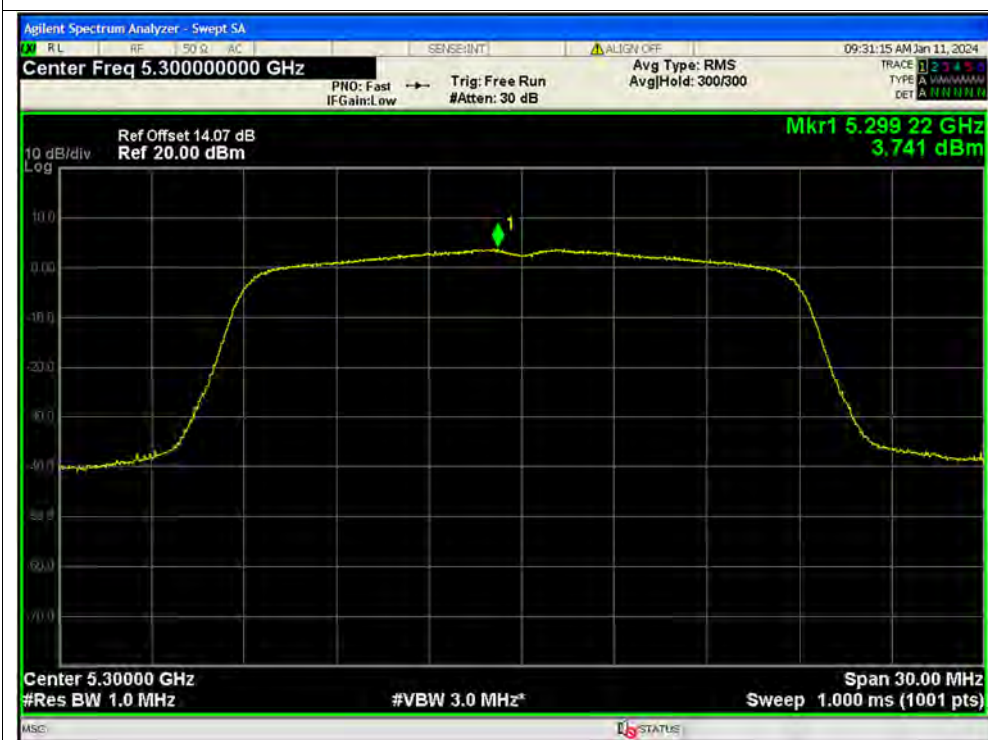




PSD NVNT ac20 5260MHz Ant1



PSD NVNT ac20 5300MHz Ant1





PSD NVNT ac20 5320MHz Ant1



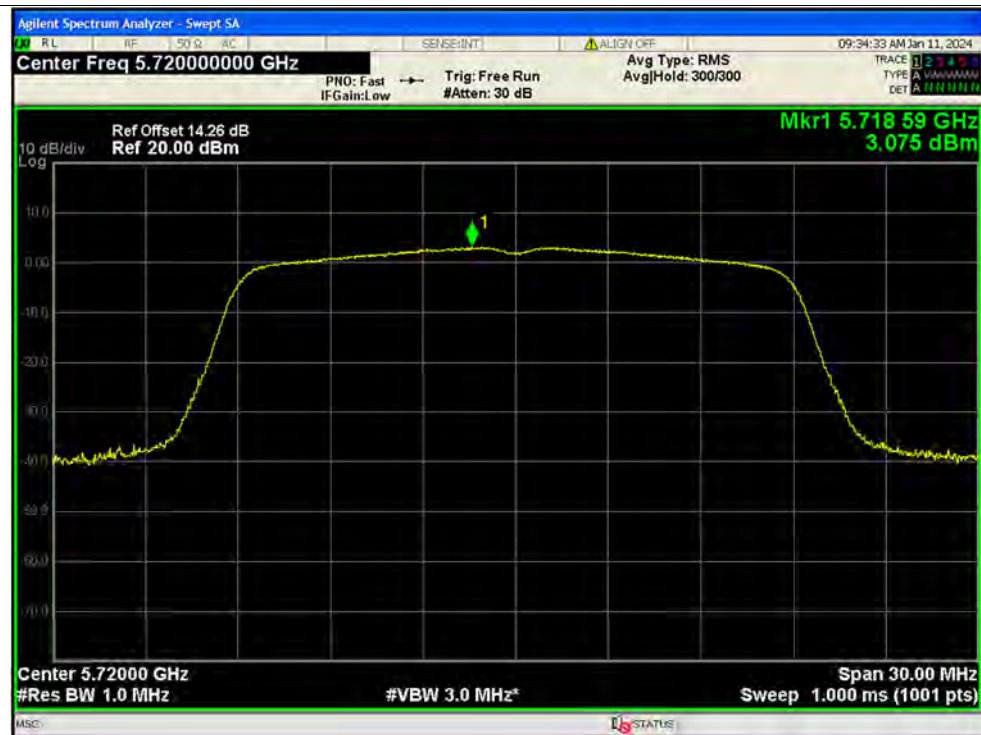
PSD NVNT ac20 5500MHz Ant1



PSD NVNT ac20 5600MHz Ant1



PSD NVNT ac20 5720MHz Ant1





PSD NVNT ac20 5745MHz Ant1



PSD NVNT ac20 5785MHz Ant1





PSD NVNT ac20 5825MHz Ant1



PSD NVNT ac40 5190MHz Ant1



PSD NVNT ac40 5230MHz Ant1



PSD NVNT ac40 5270MHz Ant1



PSD NVNT ac40 5310MHz Ant1



PSD NVNT ac40 5510MHz Ant1



PSD NVNT ac40 5630MHz Ant1



PSD NVNT ac40 5710MHz Ant1





PSD NVNT ac40 5755MHz Ant1



PSD NVNT ac40 5795MHz Ant1



PSD NVNT ac80 5210MHz Ant1



PSD NVNT ac80 5290MHz Ant1



PSD NVNT ac80 5530MHz Ant1



PSD NVNT ac80 5610MHz Ant1



PSD NVNT ac80 5690MHz Ant1



PSD NVNT ac80 5775MHz Ant1





**A.5. Frequency Stability**

| Condition | Mode | Frequency (MHz) | Antenna | Measured Frequency (MHz) | Frequency Error (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
|-----------|------|-----------------|---------|--------------------------|----------------------|-----------------|-------------|---------|
| 20C 3.5V  | a    | 5180            | Ant1    | 5180.002                 | 2000                 | 0.39            | 25          | Pass    |
| 20C 3.8V  | a    | 5180            | Ant1    | 5180.002                 | 2000                 | 0.39            | 25          | Pass    |
| 20C 4.35V | a    | 5180            | Ant1    | 5180.002                 | 2000                 | 0.39            | 25          | Pass    |
| -10C 3.8V | a    | 5180            | Ant1    | 5180.002                 | 2000                 | 0.39            | 25          | Pass    |
| 0C 3.8V   | a    | 5180            | Ant1    | 5180.002                 | 2000                 | 0.39            | 25          | Pass    |
| 10C 3.8V  | a    | 5180            | Ant1    | 5180.002                 | 2000                 | 0.39            | 25          | Pass    |
| 30C 3.8V  | a    | 5180            | Ant1    | 5180.002                 | 2000                 | 0.39            | 25          | Pass    |
| 40C 3.8V  | a    | 5180            | Ant1    | 5180.002                 | 2000                 | 0.39            | 25          | Pass    |
| 55C 3.8V  | a    | 5180            | Ant1    | 5180.002                 | 2000                 | 0.39            | 25          | Pass    |
| 20C 3.5V  | a    | 5260            | Ant1    | 5260.002                 | 2000                 | 0.38            | 25          | Pass    |
| 20C 3.8V  | a    | 5260            | Ant1    | 5260.002                 | 2000                 | 0.38            | 25          | Pass    |
| 20C 4.35V | a    | 5260            | Ant1    | 5260.002                 | 2000                 | 0.38            | 25          | Pass    |
| -10C 3.8V | a    | 5260            | Ant1    | 5260.002                 | 2000                 | 0.38            | 25          | Pass    |
| 0C 3.8V   | a    | 5260            | Ant1    | 5260.002                 | 2000                 | 0.38            | 25          | Pass    |
| 10C 3.8V  | a    | 5260            | Ant1    | 5260.002                 | 2000                 | 0.38            | 25          | Pass    |
| 30C 3.8V  | a    | 5260            | Ant1    | 5260.002                 | 2000                 | 0.38            | 25          | Pass    |
| 40C 3.8V  | a    | 5260            | Ant1    | 5260.002                 | 2000                 | 0.38            | 25          | Pass    |
| 55C 3.8V  | a    | 5260            | Ant1    | 5260.002                 | 2000                 | 0.38            | 25          | Pass    |
| 20C 3.5V  | a    | 5500            | Ant1    | 5500.002                 | 2000                 | 0.36            | 25          | Pass    |
| 20C 3.8V  | a    | 5500            | Ant1    | 5500.002                 | 2000                 | 0.36            | 25          | Pass    |
| 20C 4.35V | a    | 5500            | Ant1    | 5500.002                 | 2000                 | 0.36            | 25          | Pass    |
| -10C 3.8V | a    | 5500            | Ant1    | 5500.002                 | 2000                 | 0.36            | 25          | Pass    |
| 0C 3.8V   | a    | 5500            | Ant1    | 5500.002                 | 2000                 | 0.36            | 25          | Pass    |
| 10C 3.8V  | a    | 5500            | Ant1    | 5500.002                 | 2000                 | 0.36            | 25          | Pass    |
| 30C 3.8V  | a    | 5500            | Ant1    | 5500.002                 | 2000                 | 0.36            | 25          | Pass    |
| 40C 3.8V  | a    | 5500            | Ant1    | 5500.002                 | 2000                 | 0.36            | 25          | Pass    |
| 55C 3.8V  | a    | 5500            | Ant1    | 5500.002                 | 2000                 | 0.36            | 25          | Pass    |
| 20C 3.5V  | a    | 5745            | Ant1    | 5745.002                 | 2000                 | 0.35            | 25          | Pass    |
| 20C 3.8V  | a    | 5745            | Ant1    | 5745.002                 | 2000                 | 0.35            | 25          | Pass    |
| 20C 4.35V | a    | 5745            | Ant1    | 5745.002                 | 2000                 | 0.35            | 25          | Pass    |
| -10C 3.8V | a    | 5745            | Ant1    | 5745.002                 | 2000                 | 0.35            | 25          | Pass    |
| 0C 3.8V   | a    | 5745            | Ant1    | 5745.002                 | 2000                 | 0.35            | 25          | Pass    |
| 10C 3.8V  | a    | 5745            | Ant1    | 5745.002                 | 2000                 | 0.35            | 25          | Pass    |
| 30C 3.8V  | a    | 5745            | Ant1    | 5745.002                 | 2000                 | 0.35            | 25          | Pass    |



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|          |   |      |      |          |      |      |    |      |
|----------|---|------|------|----------|------|------|----|------|
| 40C 3.8V | a | 5745 | Ant1 | 5745.002 | 2000 | 0.35 | 25 | Pass |
| 55C 3.8V | a | 5745 | Ant1 | 5745.002 | 2000 | 0.35 | 25 | Pass |



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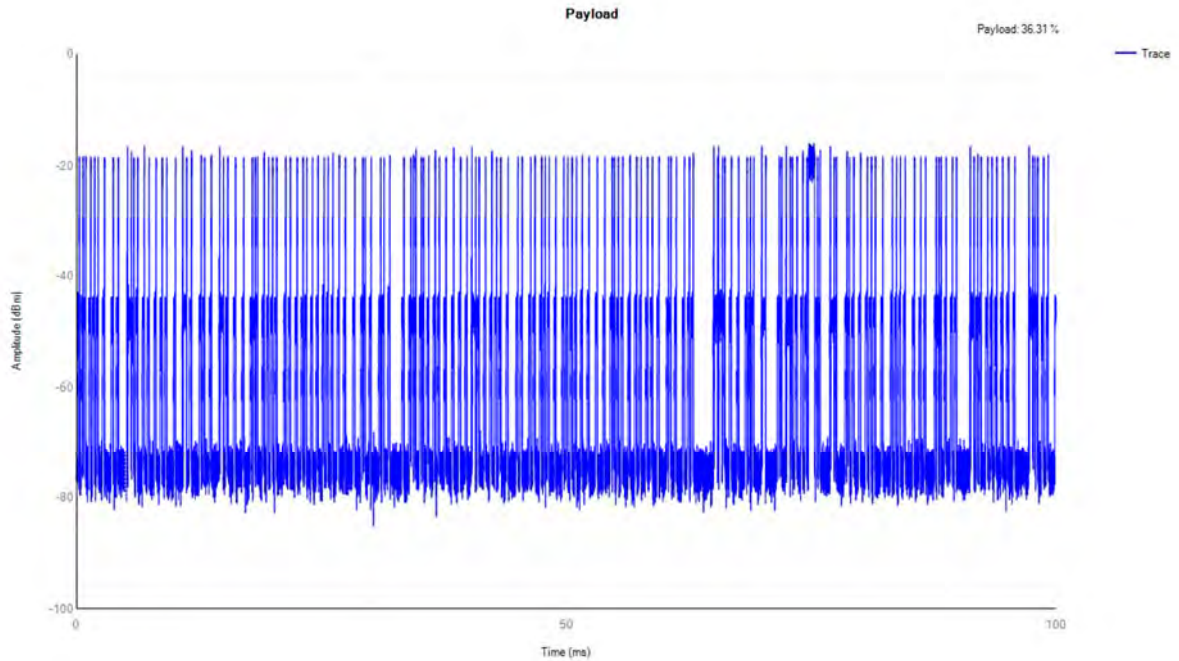
#### A.6. Dynamic Frequency Selection

Payload

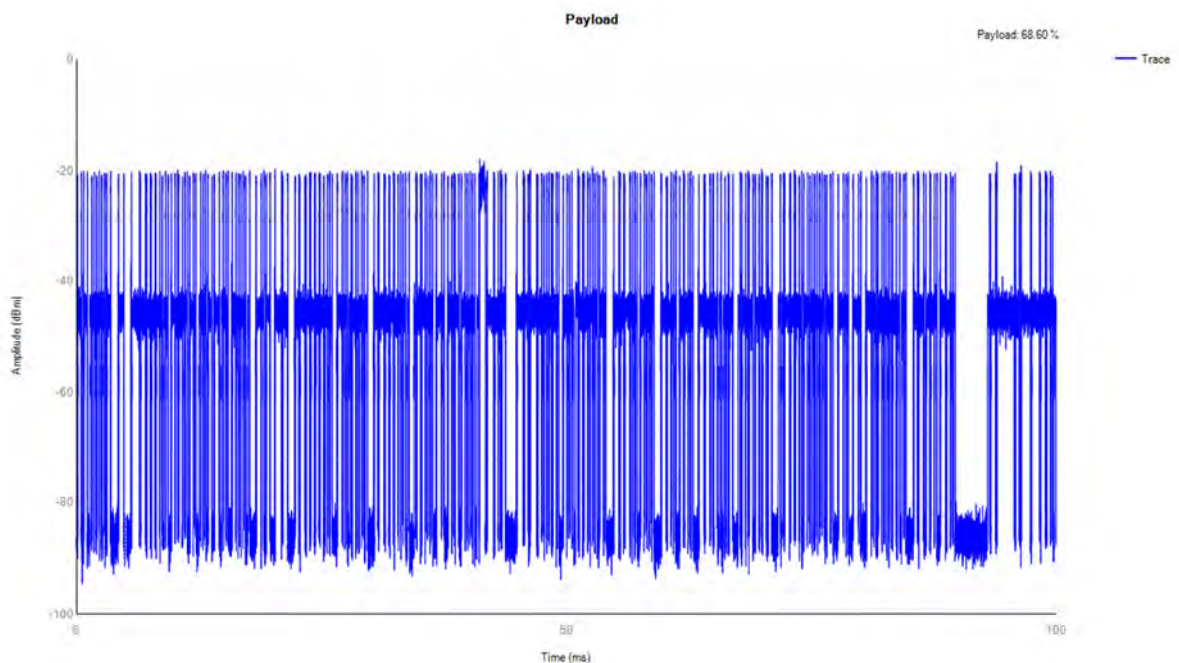
| Mode | Frequency (MHz) | Result | Verdict |
|------|-----------------|--------|---------|
| a    | 5320            | 36.31  | Pass    |
| a    | 5500            | 68.6   | Pass    |
| ac80 | 5290            | 75.16  | Pass    |
| ac80 | 5530            | 76.71  | Pass    |

## Test Graphs

## a 5320MHz Payload

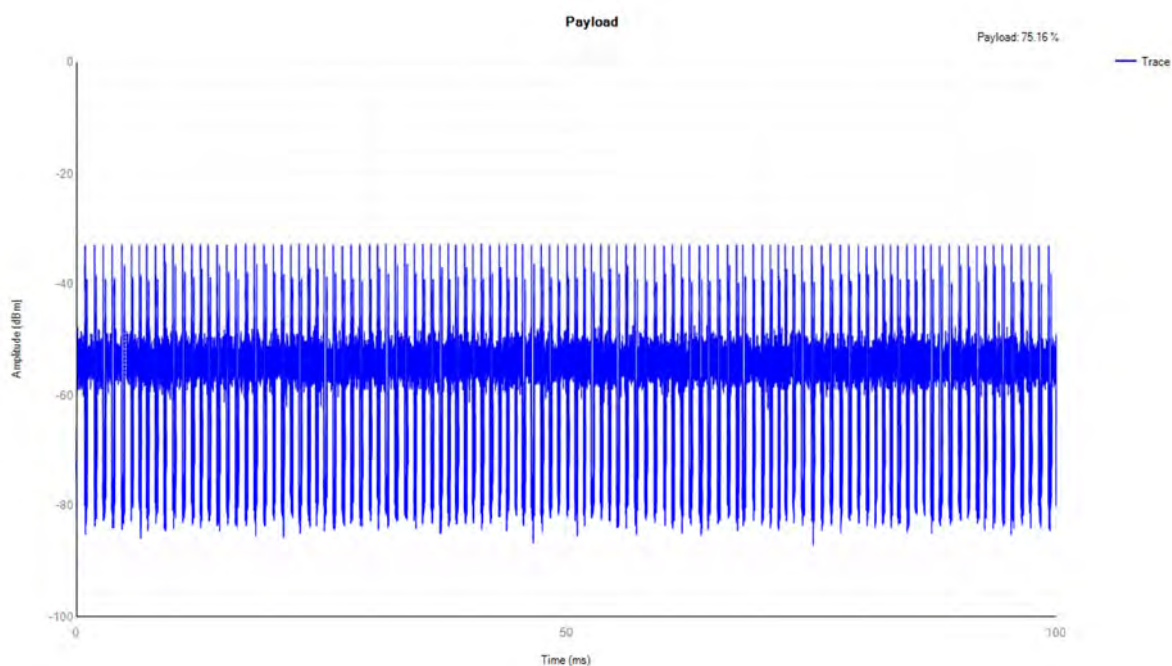


## a 5500MHz Payload

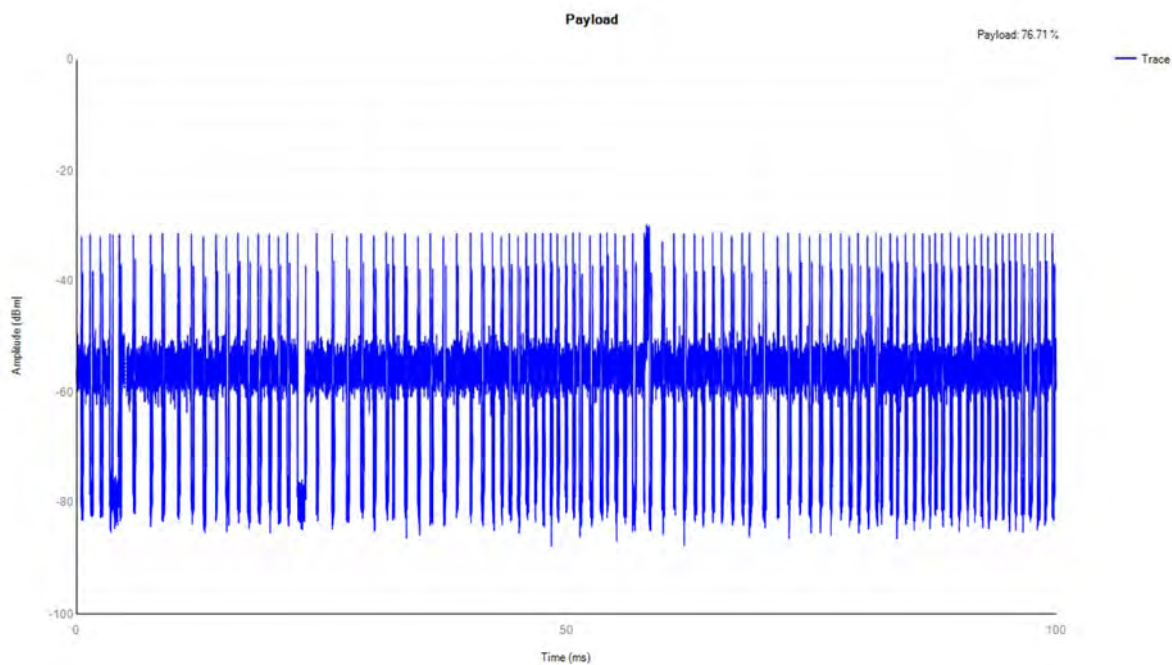




## ac80 5290MHz Payload



## ac80 5530MHz Payload





## Detection Thresholds

| Mode | Frequency (MHz) | Type       | Result         | Verdict |
|------|-----------------|------------|----------------|---------|
| a    | 5320            | DFS_FCC_T0 | See test Graph | Pass    |
| a    | 5500            | DFS_FCC_T0 | See test Graph | Pass    |
| ac80 | 5290            | DFS_FCC_T0 | See test Graph | Pass    |
| ac80 | 5530            | DFS_FCC_T0 | See test Graph | Pass    |

## Spectrum analyzer settings:

Span: Zero

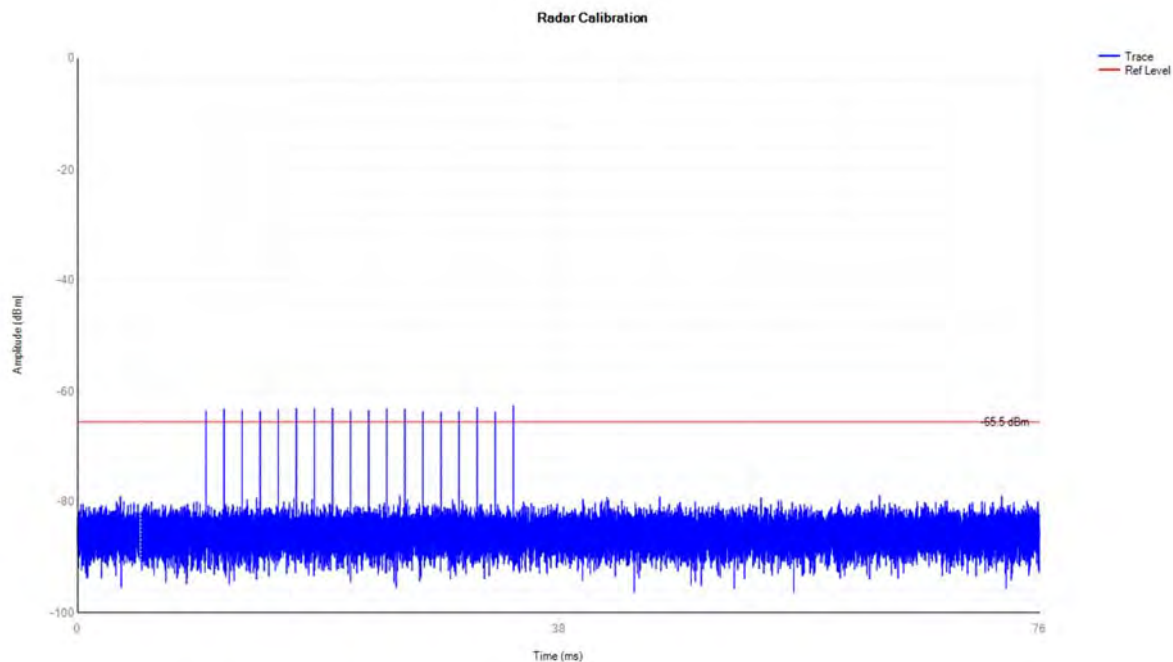
Detector Type: Peak

RBW: 3MHz

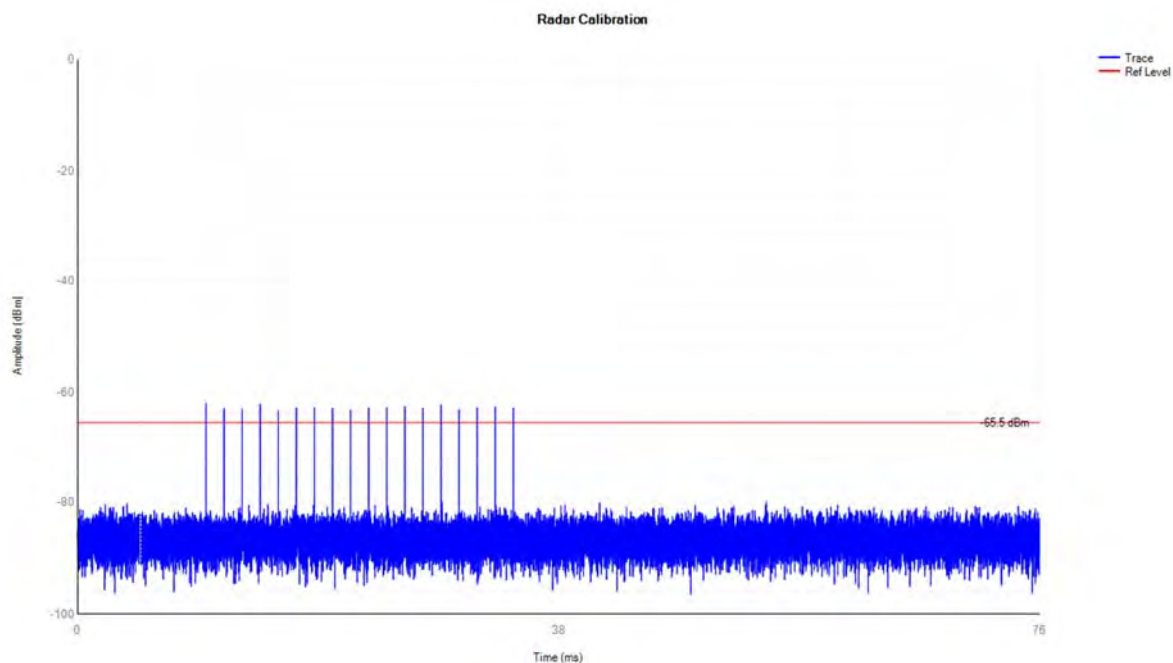
VBW: 3MHz

## Test Graphs

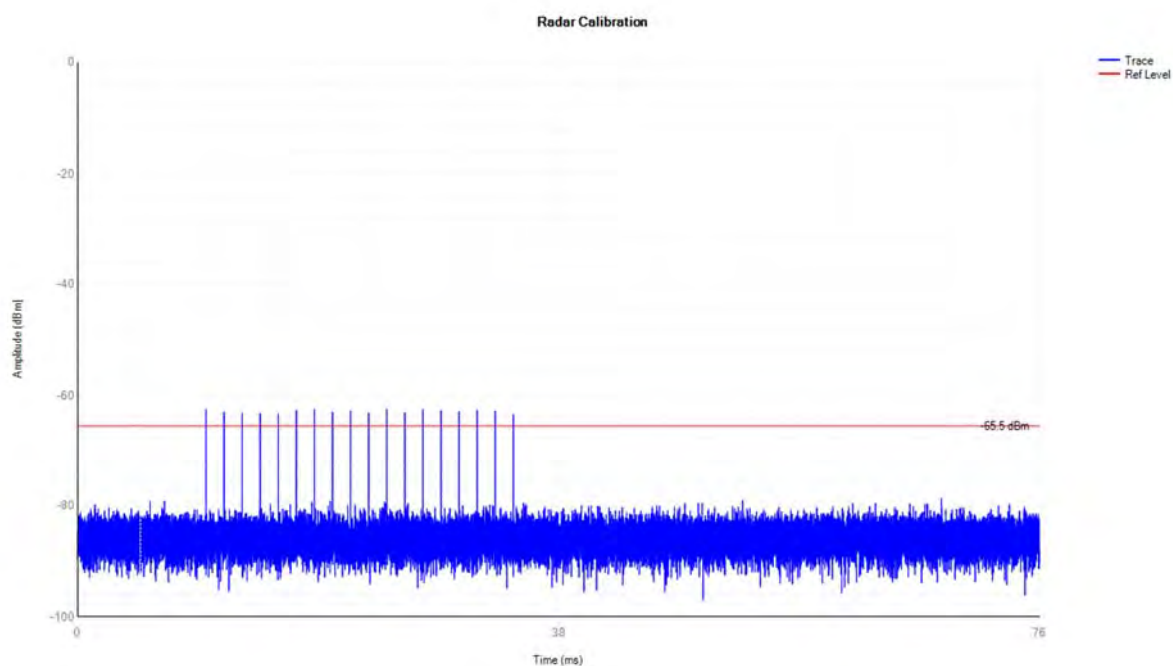
## 5320MHz DFS\_FCC\_T0



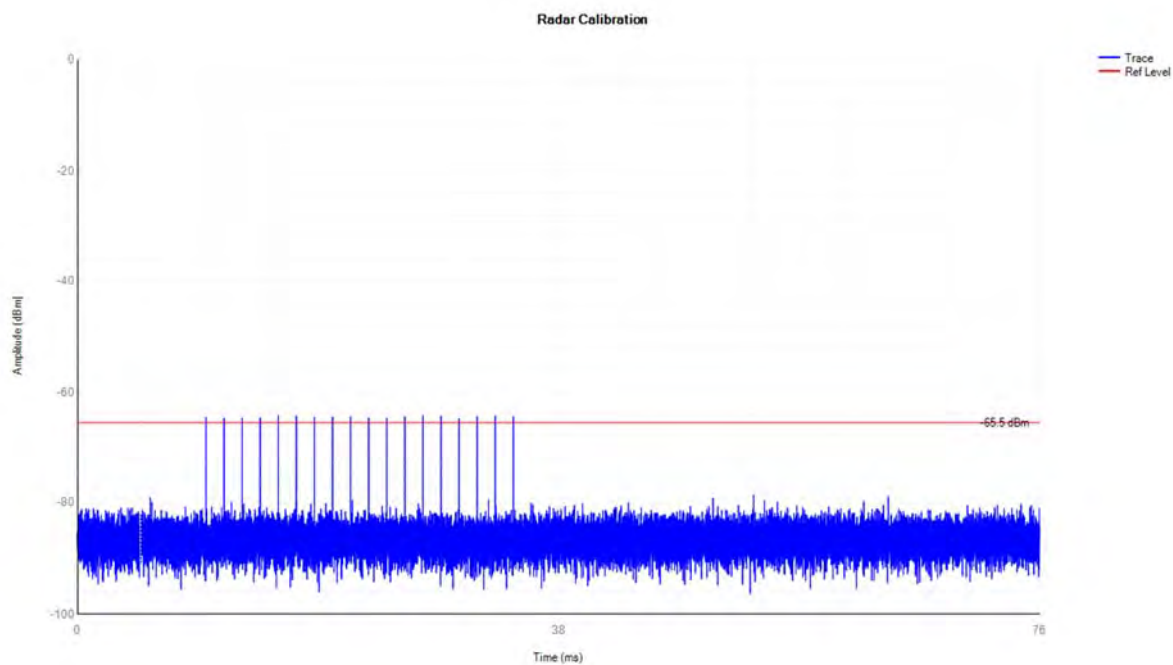
## 5500MHz DFS\_FCC\_T0



## 5290MHz DFS\_FCC\_T0



## 5530MHz DFS\_FCC\_T0







## Channel Move Time and Channel Closing Transmission Time

| Mode | Frequency (MHz) | Channel Move Time (s) | Limit Channel Move Time (s) | Close Transmission Time (s) | Limit Close Transmission Time (s) | Close Transmission Time after 200ms(s) | Limit Close Transmission Time after 200ms (s) | Verdict |
|------|-----------------|-----------------------|-----------------------------|-----------------------------|-----------------------------------|----------------------------------------|-----------------------------------------------|---------|
| a    | 5320            | 0.785                 | 10                          | 0.024                       | 0.26                              | 0.012                                  | 0.06                                          | Pass    |
| a    | 5500            | 0.842                 | 10                          | 0.079                       | 0.26                              | 0.014                                  | 0.06                                          | Pass    |
| ac80 | 5290            | 0.86                  | 10                          | 0.039                       | 0.26                              | 0.009                                  | 0.06                                          | Pass    |
| ac80 | 5530            | 0.946                 | 10                          | 0.096                       | 0.26                              | 0.01                                   | 0.06                                          | Pass    |

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

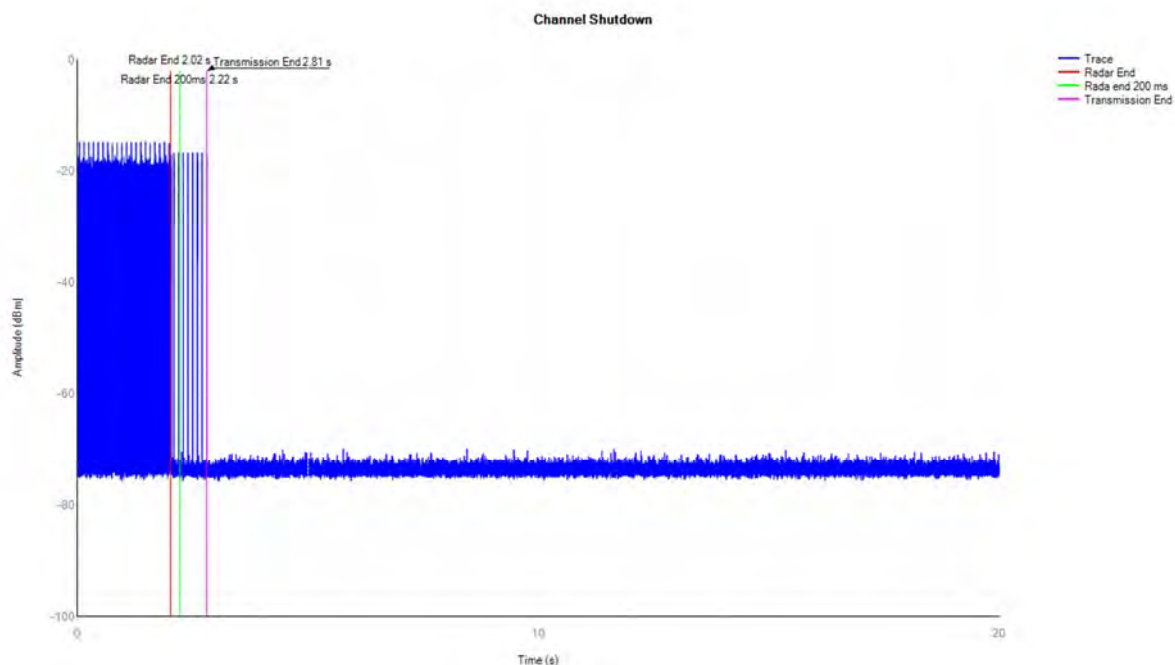
RBW: 3MHz

VBW: 3MHz

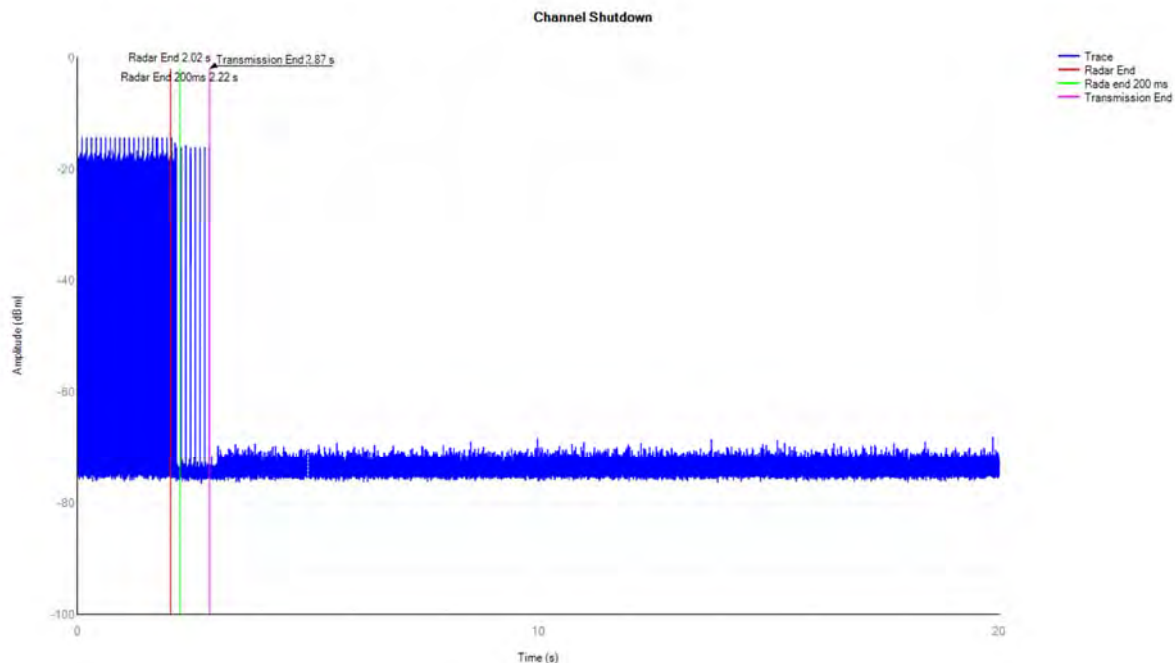
Sweep time: 20s

## Test Graphs

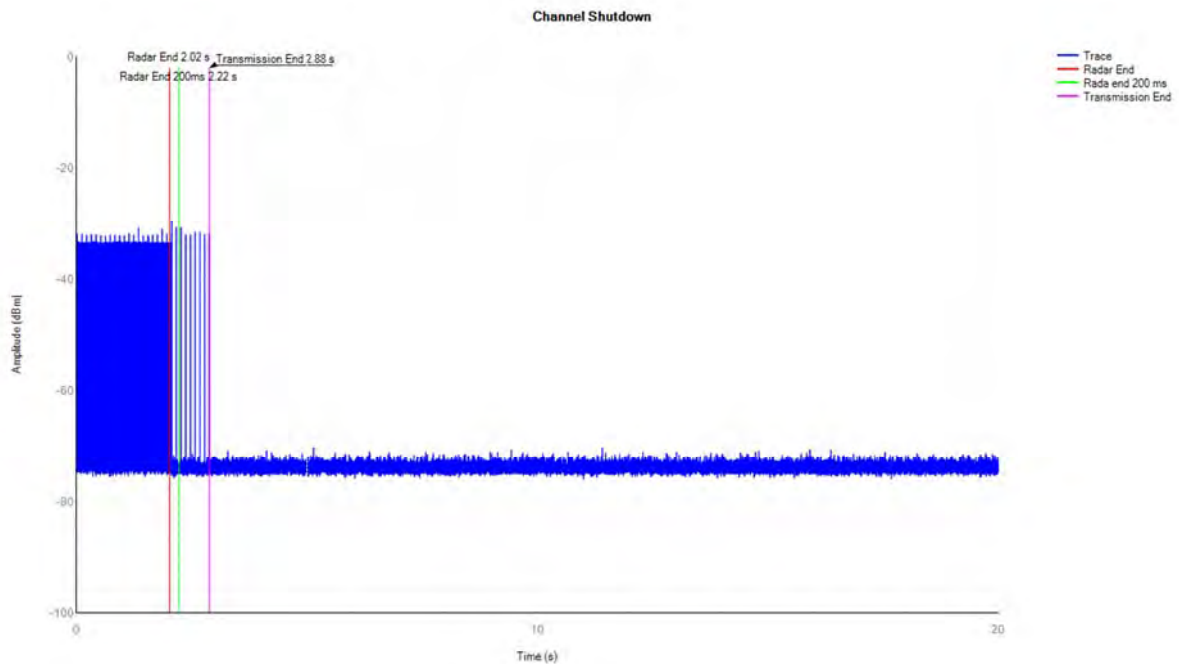
## a 5320MHz Shutdown



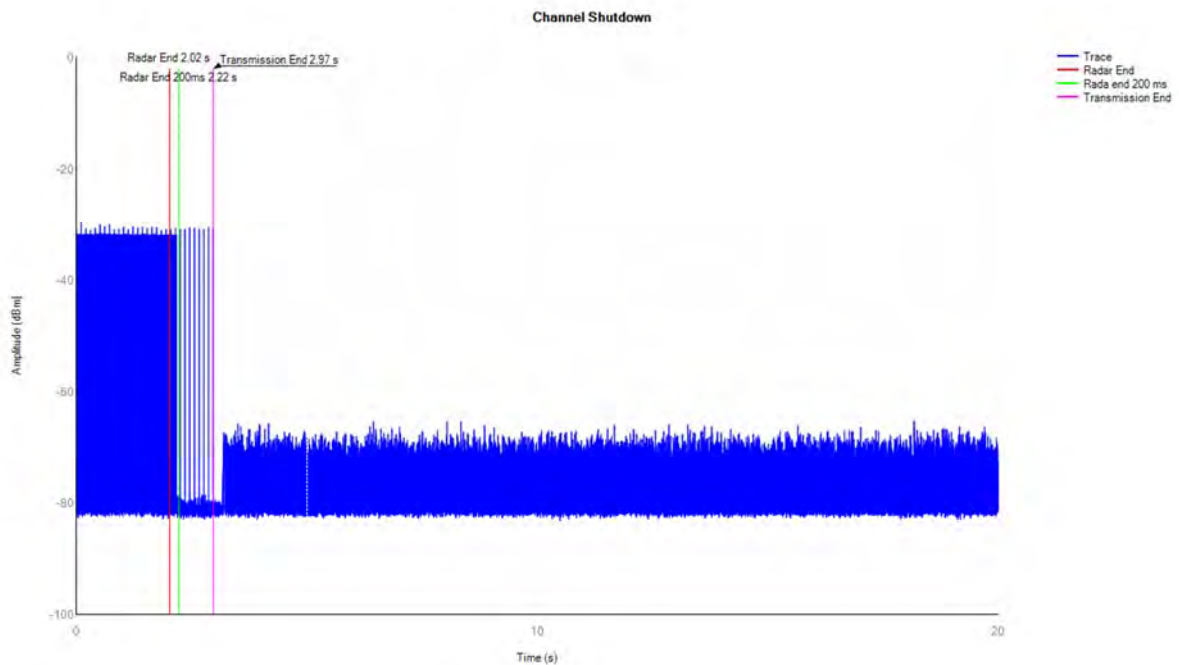
## a 5500MHz Shutdown



## ac80 5290MHz Shutdown



## ac80 5530MHz Shutdown



Note: The signal above the noise floor after the radar signal ends is the signal which leaked from other channels that have been moved following the Master device.



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Non-Occupancy Period

| Mode | Frequency (MHz) | Result         | Verdict |
|------|-----------------|----------------|---------|
| a    | 5320            | See test Graph | Pass    |
| a    | 5500            | See test Graph | Pass    |

Spectrum analyzer settings:

Span: Zero

Detector type: Peak

RBW: 3MHz

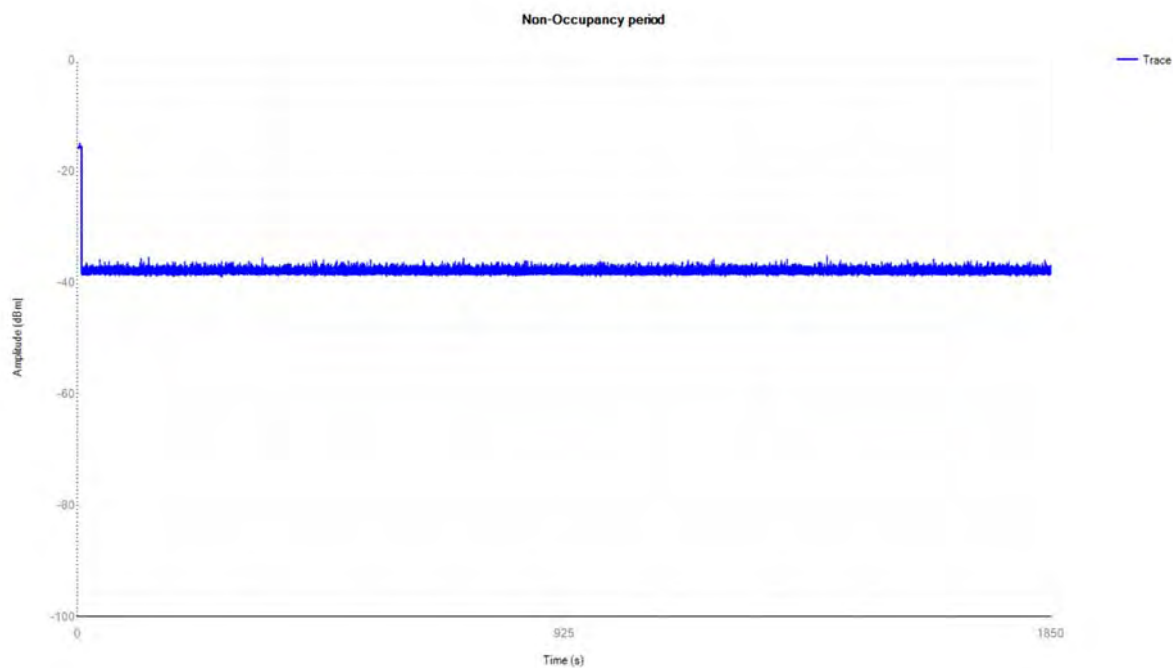
VBW: 3MHz

Sweep time: 1850s

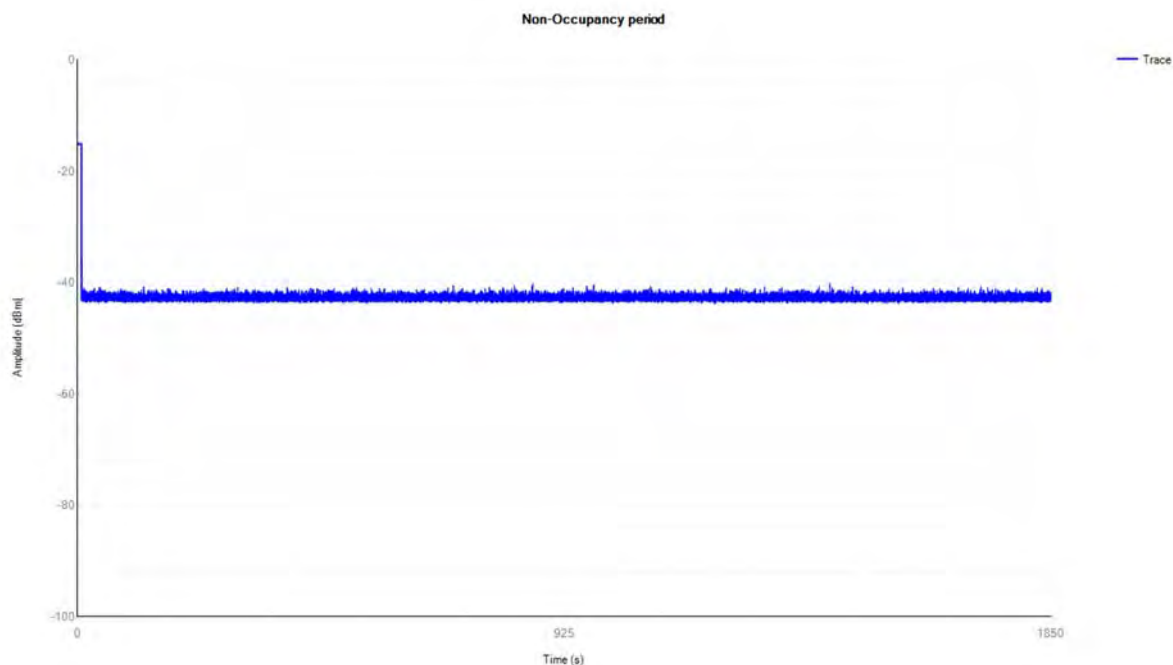


## Test Graphs

## a 5320MHz Non-Occupancy



## a 5500MHz Non-Occupancy





### A.7. Conducted Emission

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

**Note:** Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

#### A. Test Setup:

Test Mode: EUT + Adapter + USB Cable + Earphone + WIFI TX

Test voltage: AC 120V/60Hz

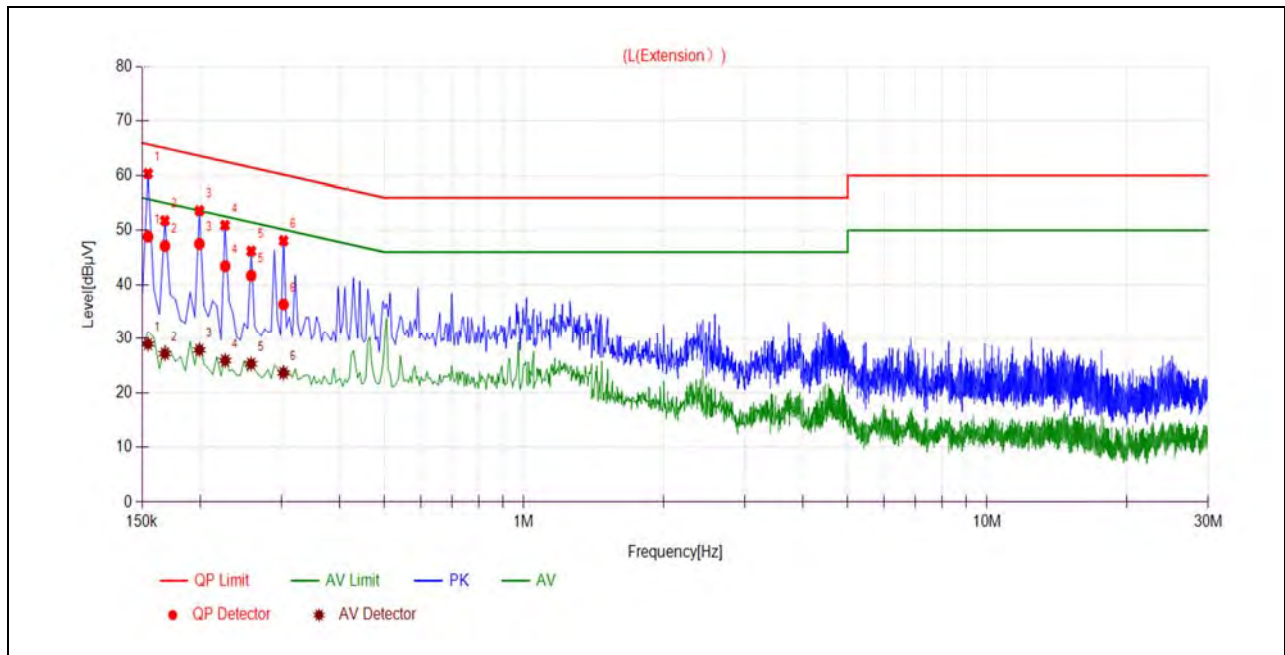
The measurement results are obtained as below:

$$E \text{ [dB}\mu\text{V]} = U_R + L_{\text{Cable loss}} \text{ [dB]} + A_{\text{Factor}}$$

$U_R$ : Receiver Reading

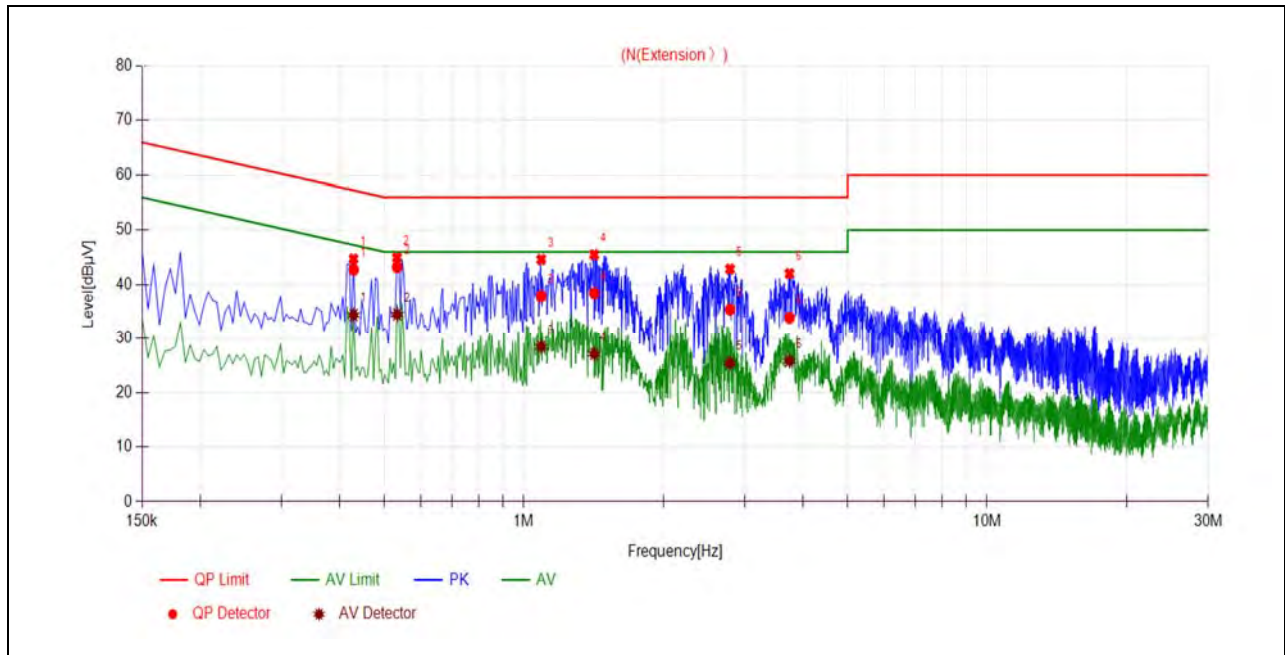
$A_{\text{Factor}}$ : Voltage division factor of LISN

## B. Test Plot:



(L Phase)

| No. | Fre.<br>(MHz) | Emission Level (dBμV) |         | Limit (dBμV) |         | Power-line | Verdict |
|-----|---------------|-----------------------|---------|--------------|---------|------------|---------|
|     |               | Quai-peak             | Average | Quai-peak    | Average |            |         |
| 1   | 0.1545        | 48.85                 | 28.93   | 65.75        | 55.75   | Line       | PASS    |
| 2   | 0.1680        | 47.15                 | 27.16   | 65.06        | 55.06   |            | PASS    |
| 3   | 0.1994        | 47.51                 | 27.84   | 63.64        | 53.64   |            | PASS    |
| 4   | 0.2267        | 43.41                 | 25.89   | 62.57        | 52.57   |            | PASS    |
| 5   | 0.2579        | 41.67                 | 25.28   | 61.50        | 51.50   |            | PASS    |
| 6   | 0.3029        | 36.36                 | 23.61   | 60.16        | 50.16   |            | PASS    |



(N Phase)

| No. | Fre.<br>(MHz) | Emission Level (dBμV) |         | Limit (dBμV) |         | Power-line | Verdict |
|-----|---------------|-----------------------|---------|--------------|---------|------------|---------|
|     |               | Quai-peak             | Average | Quai-peak    | Average |            |         |
| 1   | 0.4292        | 42.75                 | 34.41   | 57.27        | 47.27   | Neutral    | PASS    |
| 2   | 0.5329        | 43.22                 | 34.50   | 56.00        | 46.00   |            | PASS    |
| 3   | 1.0903        | 37.87                 | 28.44   | 56.00        | 46.00   |            | PASS    |
| 4   | 1.4187        | 38.42                 | 27.11   | 56.00        | 46.00   |            | PASS    |
| 5   | 2.7863        | 35.39                 | 25.42   | 56.00        | 46.00   |            | PASS    |
| 6   | 3.7436        | 33.90                 | 25.82   | 56.00        | 46.00   |            | PASS    |





### A.8. Restricted Frequency Bands

The lowest and highest channels are tested to verify the Restricted Frequency Bands.

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

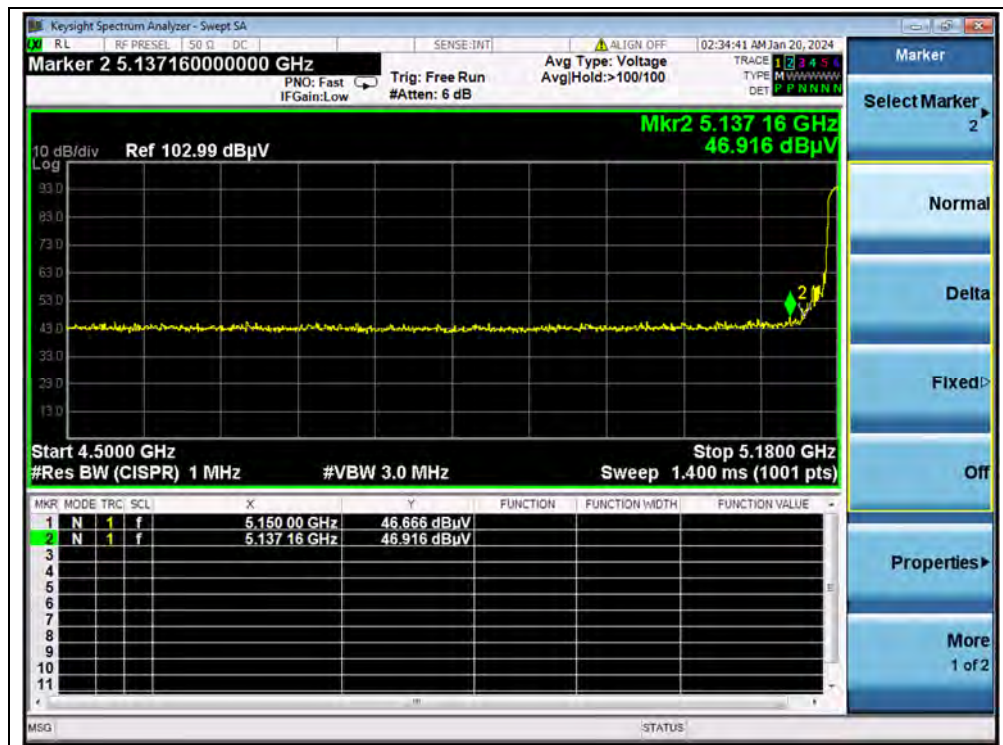
$A_{\text{Factor}}$ : Antenna Factor at 3m

**Note 1:** Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

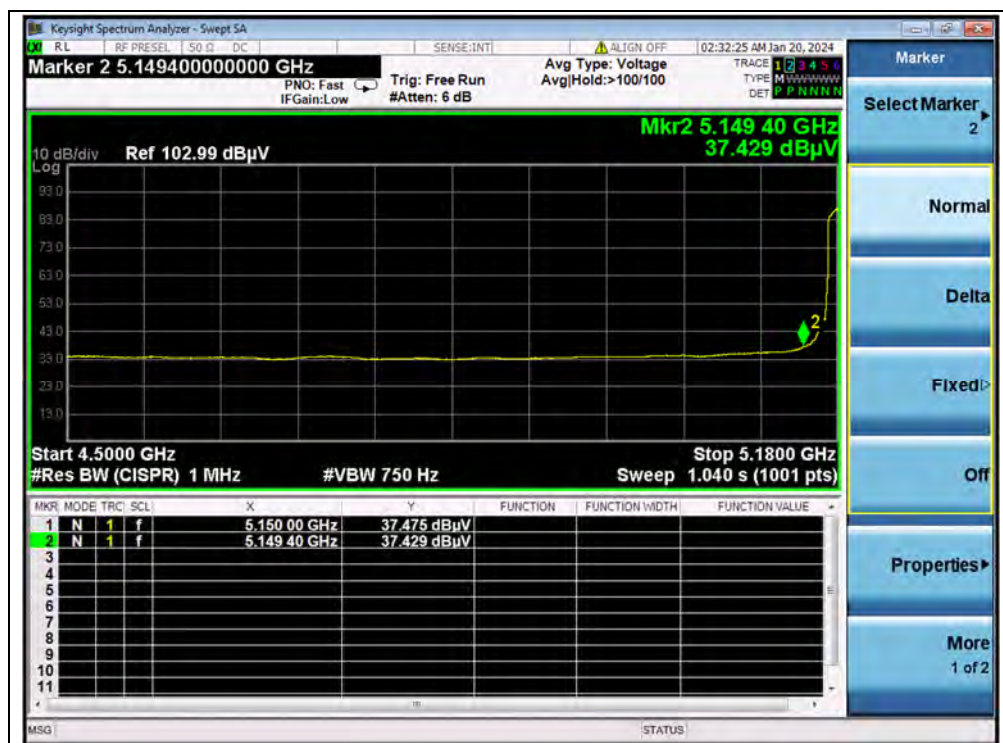
**Note 2** All test modes and bandwidth were considered and evaluated respectively by performing full test, only the worst data were recorded for each bandwidth.

#### 802.11a Mode

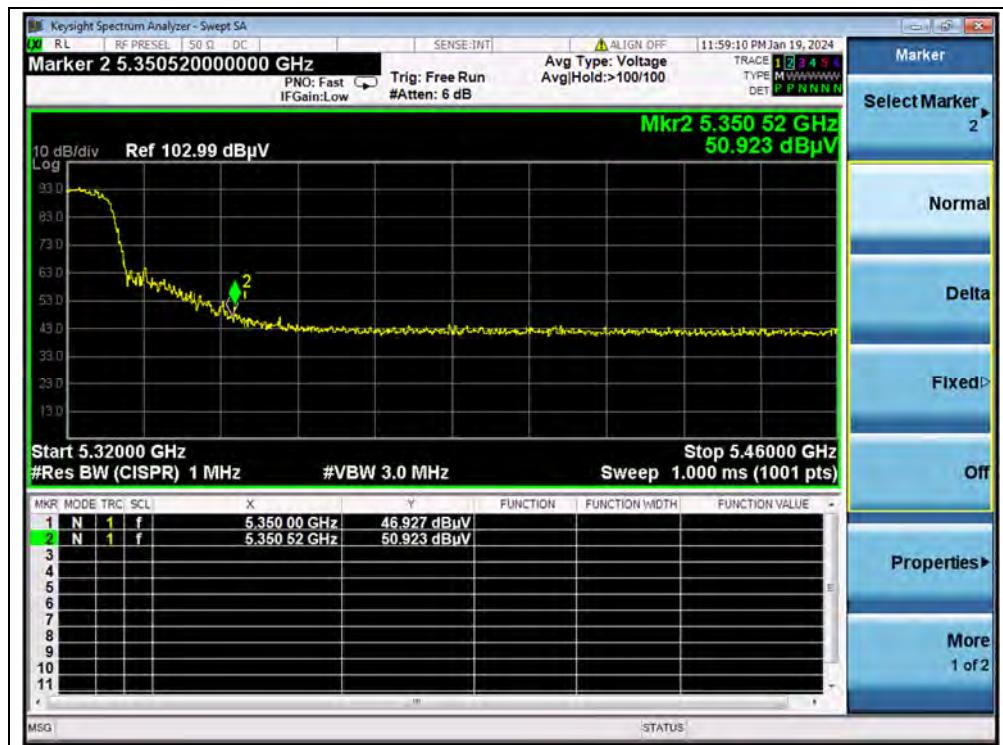
| Channel | Frequency<br>(MHz) | Detector | Receiver<br>Reading      | A <sub>T</sub><br>(dB) | A <sub>Factor</sub><br>(dB@3m) | Max.<br>Emission | Limit<br>(dBμV/m) | Verdict |
|---------|--------------------|----------|--------------------------|------------------------|--------------------------------|------------------|-------------------|---------|
|         |                    | PK/ AV   | U <sub>R</sub><br>(dBμV) |                        |                                | E<br>(dBμV/m)    |                   |         |
| 36      | 5137.16            | PK       | 46.92                    | -19.54                 | 32.20                          | 59.58            | 74                | PASS    |
| 36      | 5150.00            | AV       | 37.48                    | -19.54                 | 32.20                          | 50.14            | 54                | PASS    |
| 64      | 5350.52            | PK       | 50.92                    | -18.80                 | 32.20                          | 64.32            | 74                | PASS    |
| 64      | 5350.38            | AV       | 35.61                    | -18.80                 | 32.20                          | 49.01            | 54                | PASS    |
| 100     | 5468.69            | PK       | 47.94                    | -19.20                 | 32.20                          | 60.94            | 68.23             | PASS    |
| 100     | 5470.00            | AV       | 35.23                    | -19.20                 | 32.20                          | 48.23            | 54                | PASS    |
| 144     | 5725.00            | PK       | 47.68                    | -19.20                 | 32.20                          | 60.68            | 68.23             | PASS    |
| 149     | 5725.00            | PK       | 54.96                    | -19.01                 | 32.20                          | 68.15            | 122.23            | PASS    |
| 165     | 5850.00            | PK       | 48.77                    | -19.01                 | 32.20                          | 61.96            | 122.23            | PASS    |



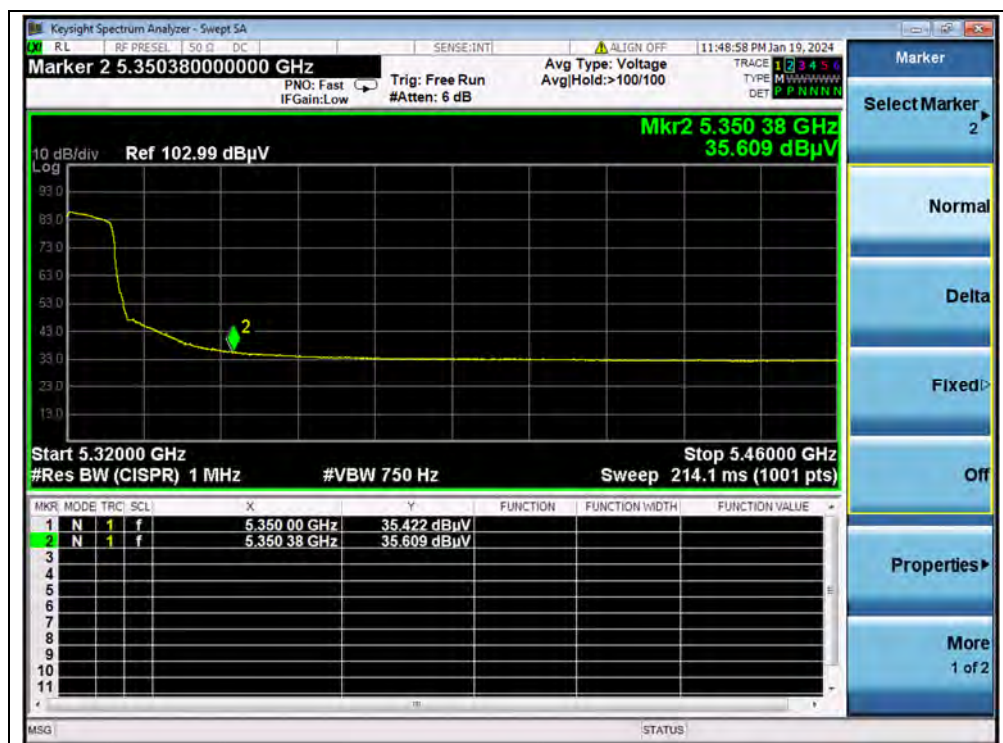
(PEAK, Channel 36, 802.11a)



(AVERAGE, Channel 36, 802.11a)

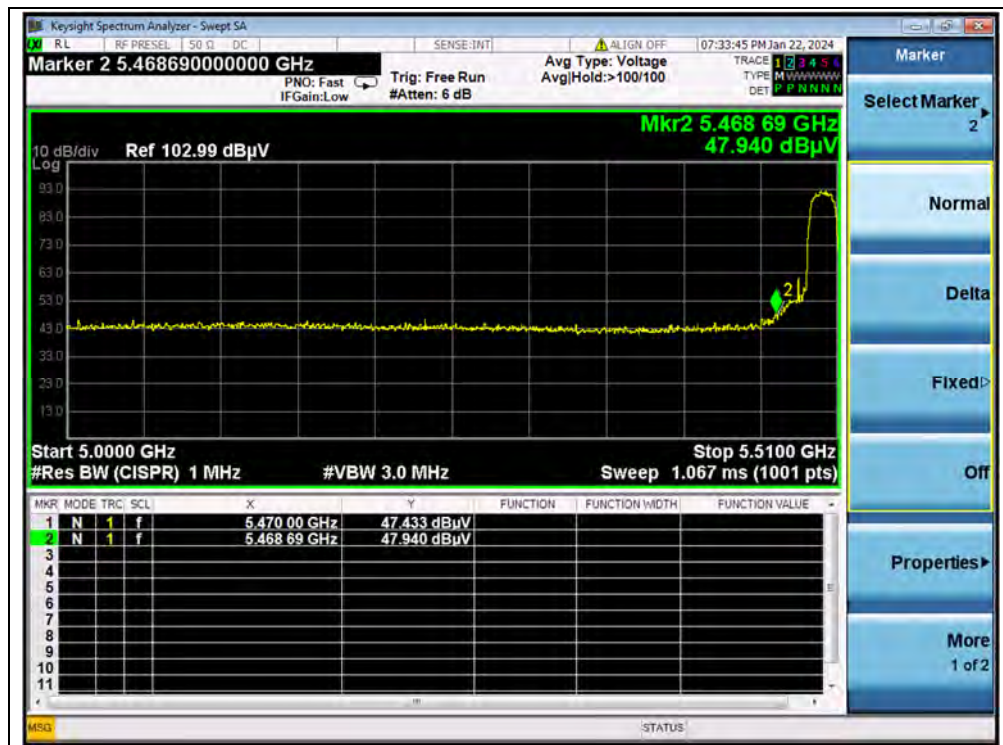


(PEAK, Channel 64, 802.11a)

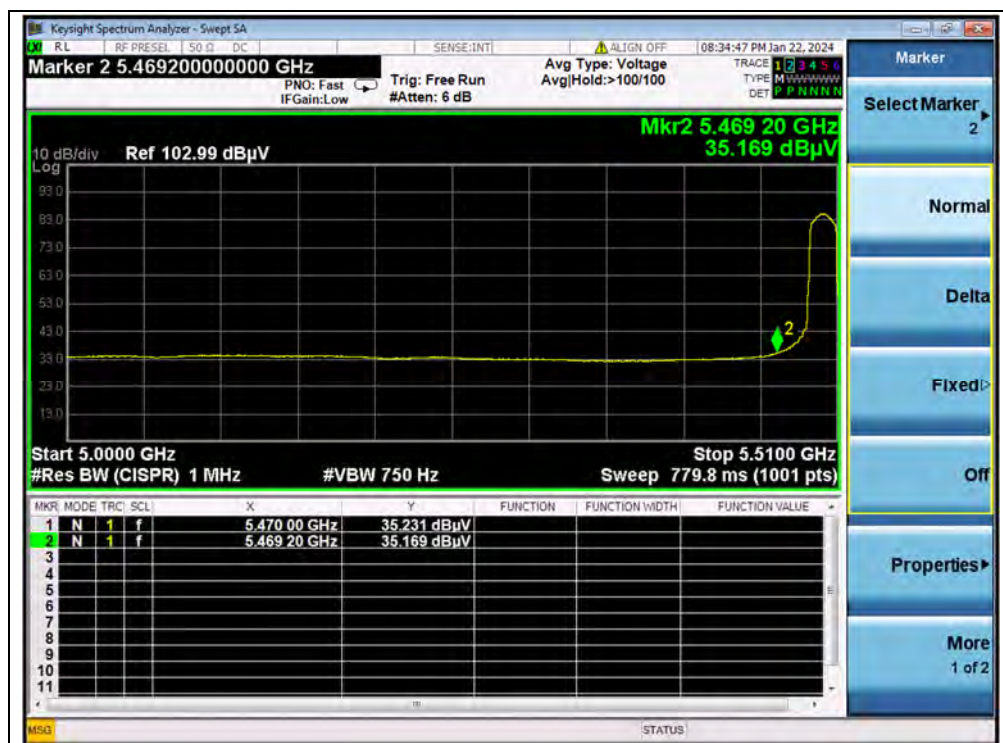


(AVERAGE, Channel 64, 802.11a)

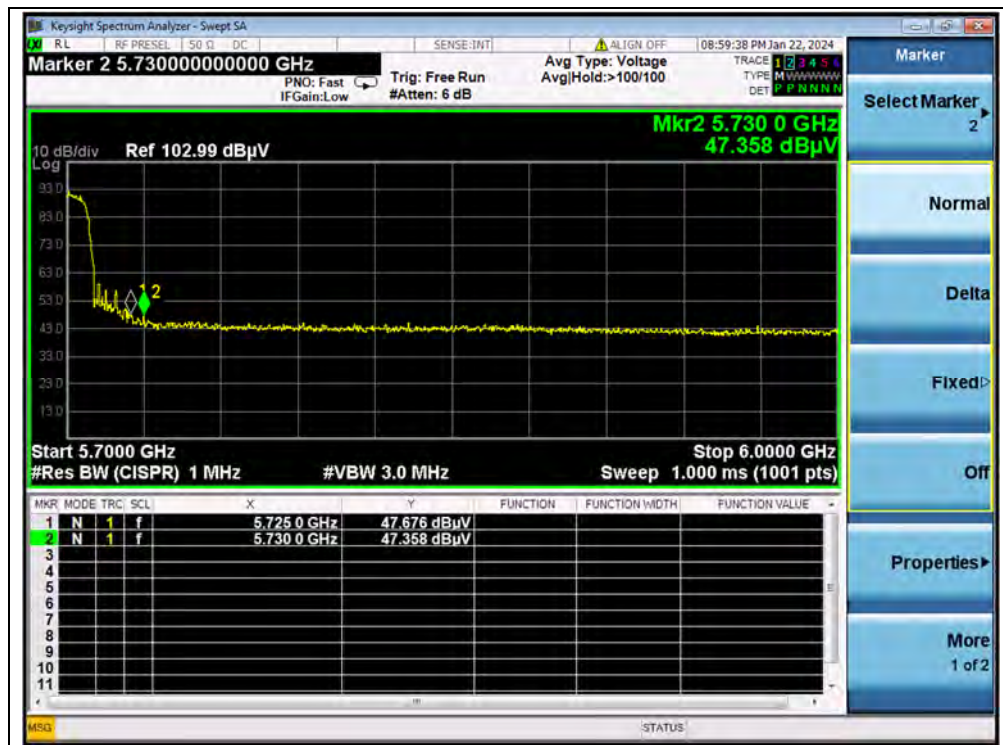




(PEAK, Channel 100, 802.11a)



(AVERAGE, Channel 100, 802.11a)

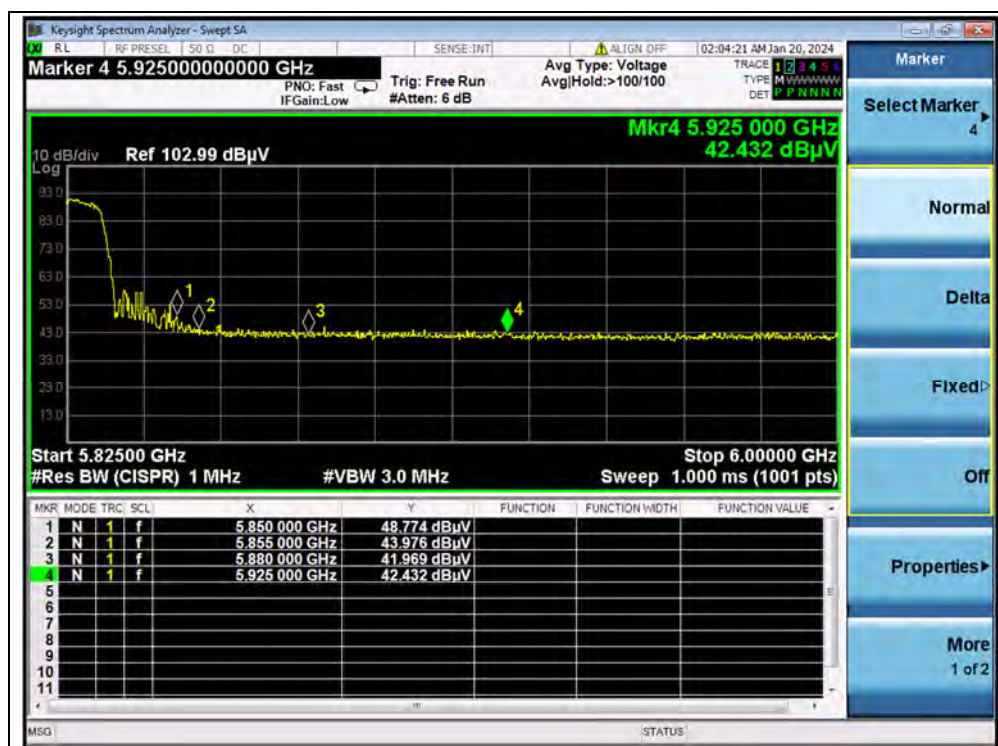


(PEAK, Channel 144, 802.11a)



(PEAK, Channel 149, 802.11a)



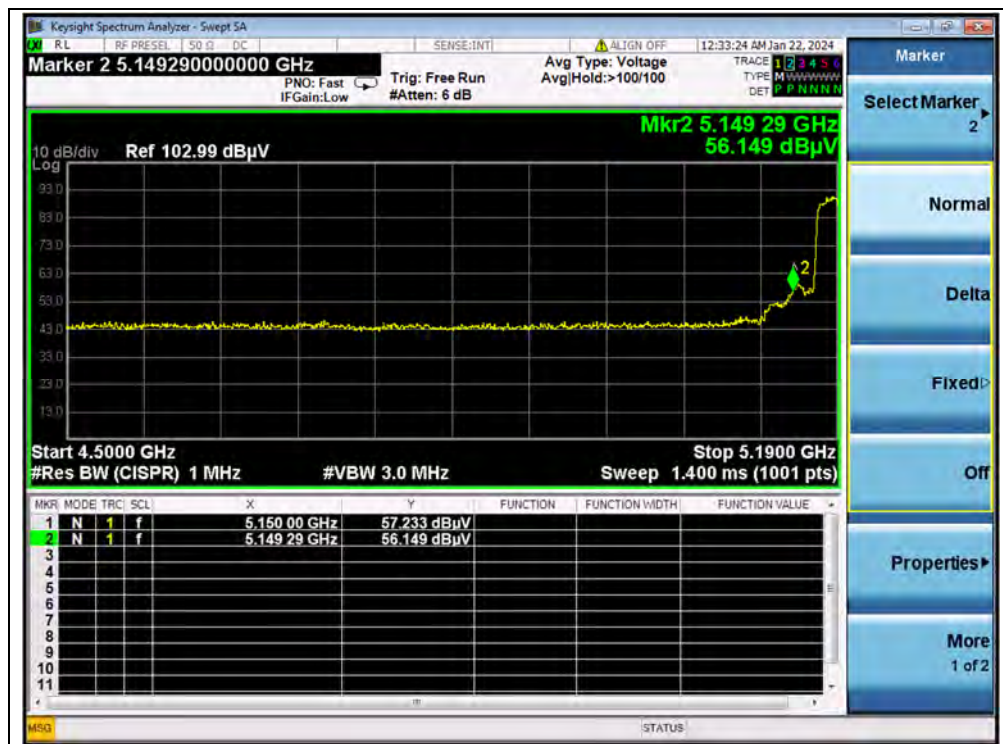


(PEAK, Channel 165, 802.11a)

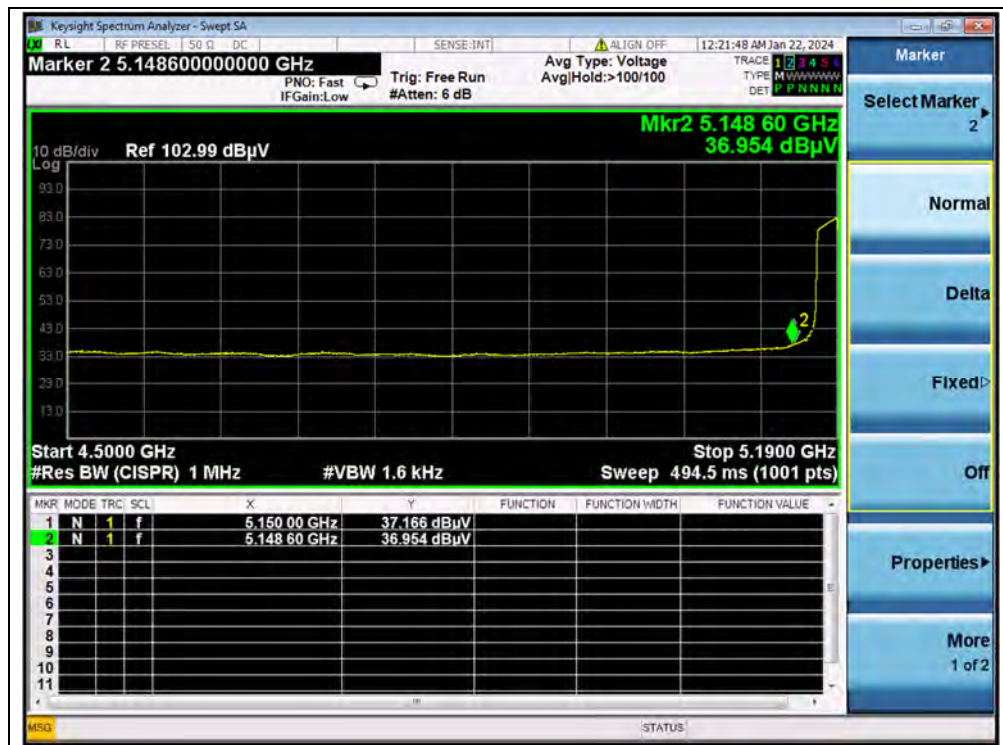


802.11n (HT40) Mode

| Channel | Frequency (MHz) | Detector | Receiver Reading<br>$U_R$<br>(dBμV) | $A_T$<br>(dB) | $A_{Factor}$<br>(dB@3m) | Max. Emission<br>$E$<br>(dBμV/m) | Limit<br>(dBμV/m) | Verdict |
|---------|-----------------|----------|-------------------------------------|---------------|-------------------------|----------------------------------|-------------------|---------|
|         |                 | PK/ AV   |                                     |               |                         |                                  |                   |         |
| 38      | 5150.00         | PK       | 57.23                               | -19.54        | 32.20                   | 69.89                            | 74                | PASS    |
| 38      | 5150.00         | AV       | 37.17                               | -19.54        | 32.20                   | 49.83                            | 54                | PASS    |
| 62      | 5351.25         | PK       | 51.49                               | -18.80        | 32.20                   | 64.89                            | 74                | PASS    |
| 62      | 5350.50         | AV       | 36.57                               | -18.80        | 32.20                   | 49.97                            | 54                | PASS    |
| 102     | 5470.00         | PK       | 51.64                               | -19.20        | 32.20                   | 64.64                            | 68.23             | PASS    |
| 102     | 5098.58         | AV       | 35.20                               | -19.20        | 32.20                   | 48.20                            | 54                | PASS    |
| 142     | 5737.65         | PK       | 48.93                               | -19.20        | 32.20                   | 61.93                            | 68.23             | PASS    |
| 151     | 5720.00         | PK       | 60.74                               | -19.01        | 32.20                   | 73.93                            | 110.83            | PASS    |
| 159     | 5850.00         | PK       | 48.56                               | -19.01        | 32.20                   | 61.75                            | 122.23            | PASS    |



(PEAK, Channel 38, 802.11n (HT40))

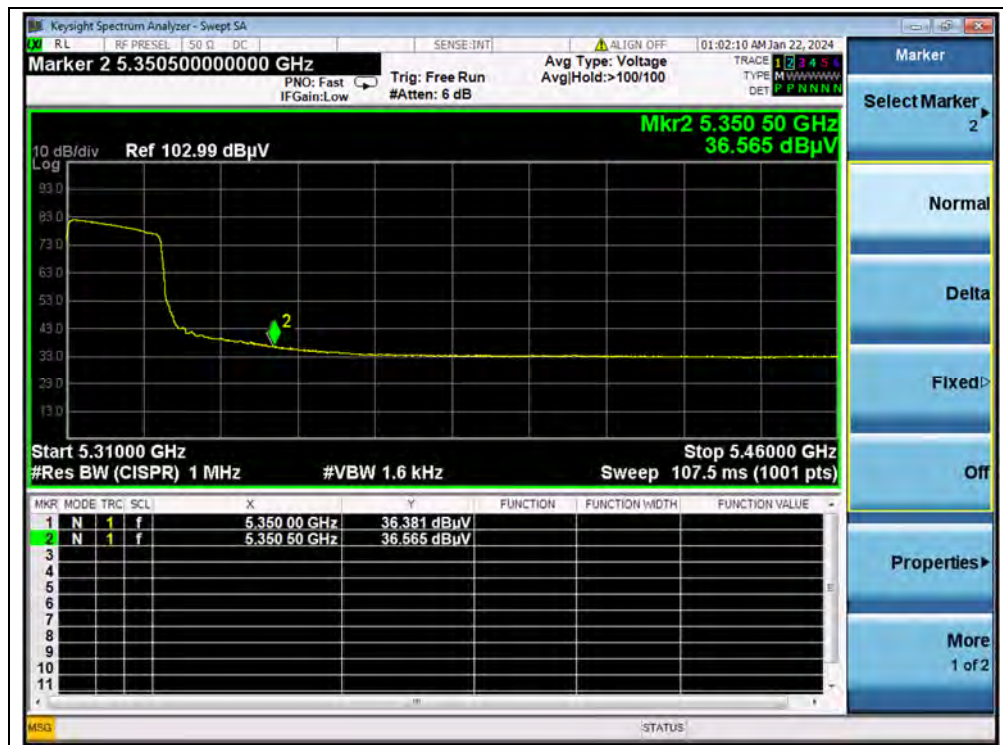


(AVERAGE, Channel 38, 802.11n (HT40))

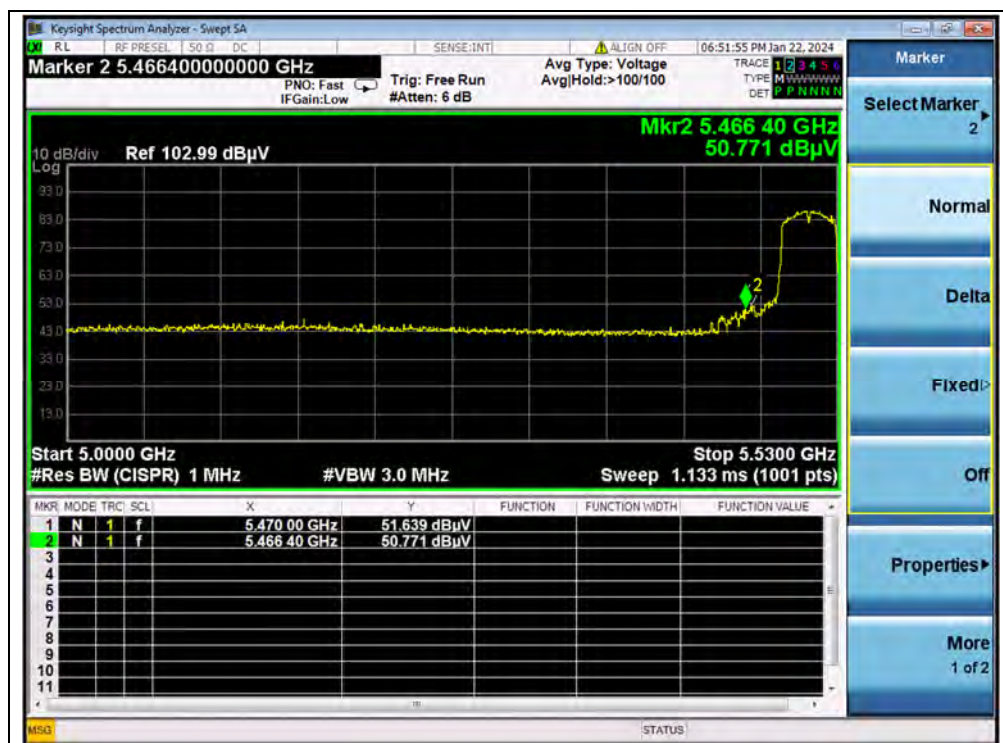


(PEAK, Channel 62, 802.11n (HT40))



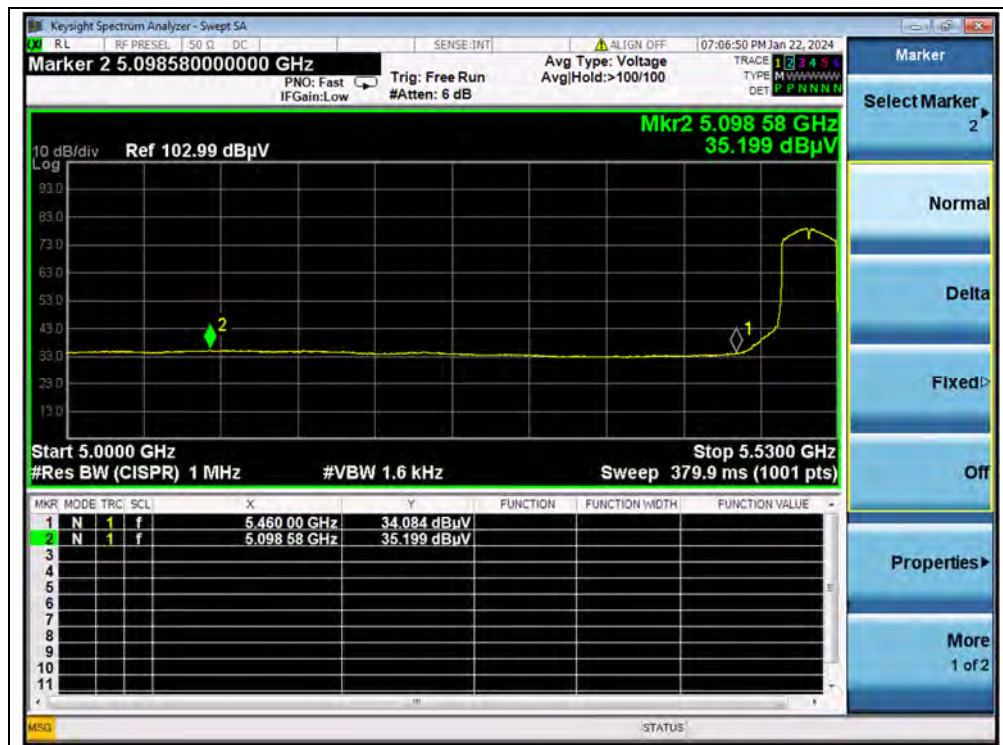


(AVERAGE, Channel 62, 802.11n (HT40))

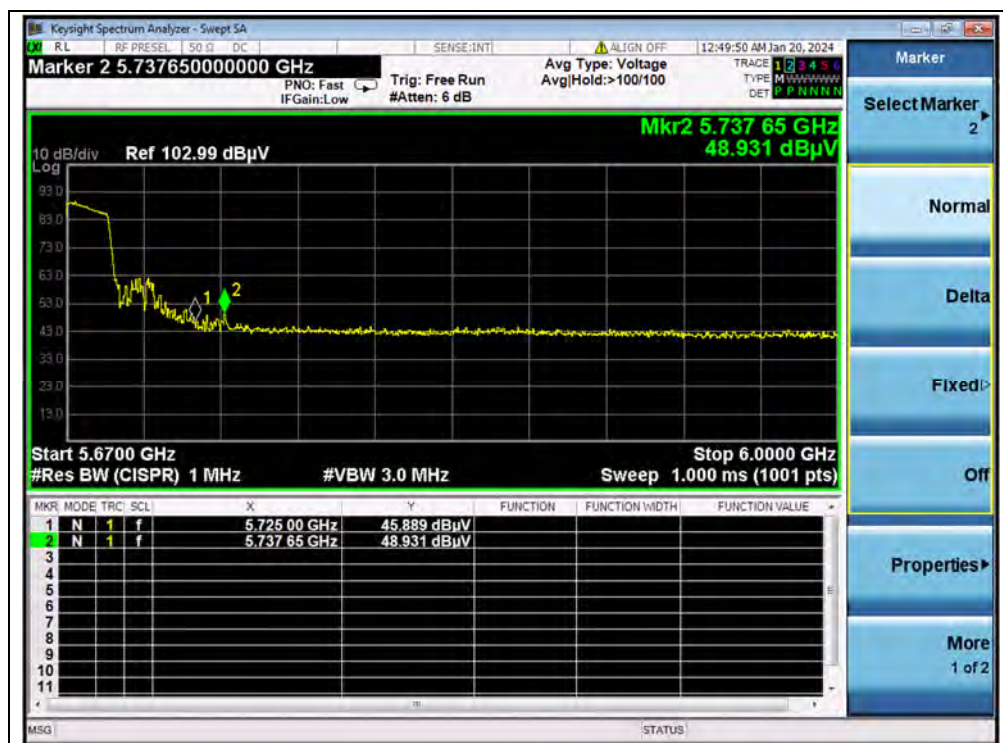


(PEAK, Channel 102, 802.11n (HT40))





(AVERAGE, Channel 102, 802.11n (HT40))



(PEAK, Channel 142, 802.11n (HT40))



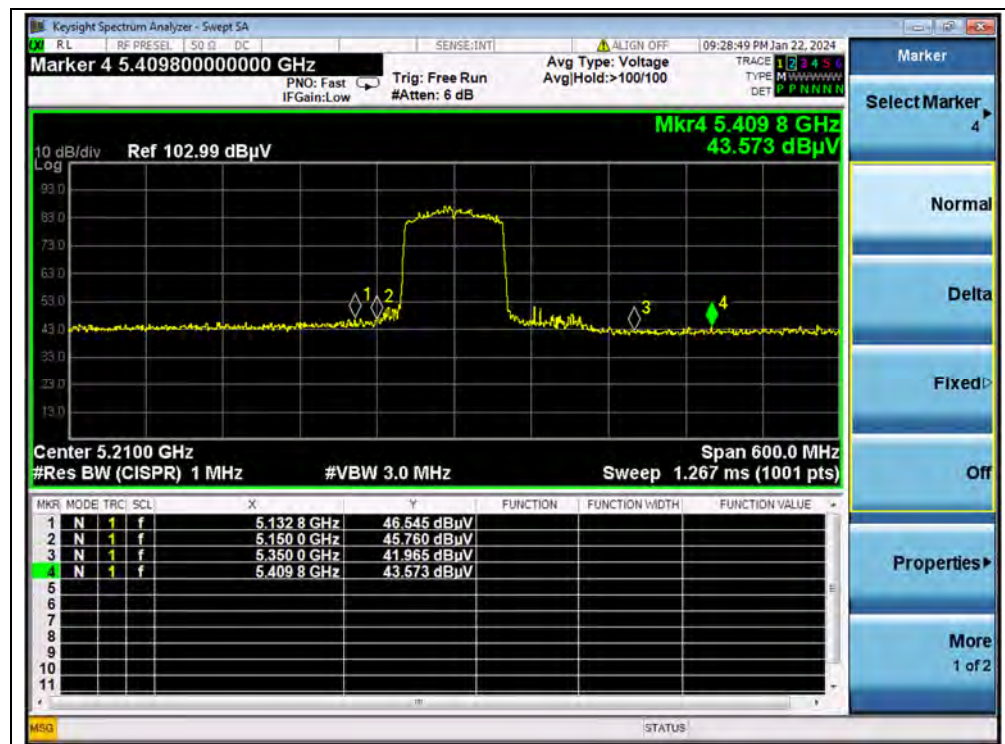
(PEAK, Channel 151, 802.11n (HT40))



(PEAK, Channel 159, 802.11n (HT40))

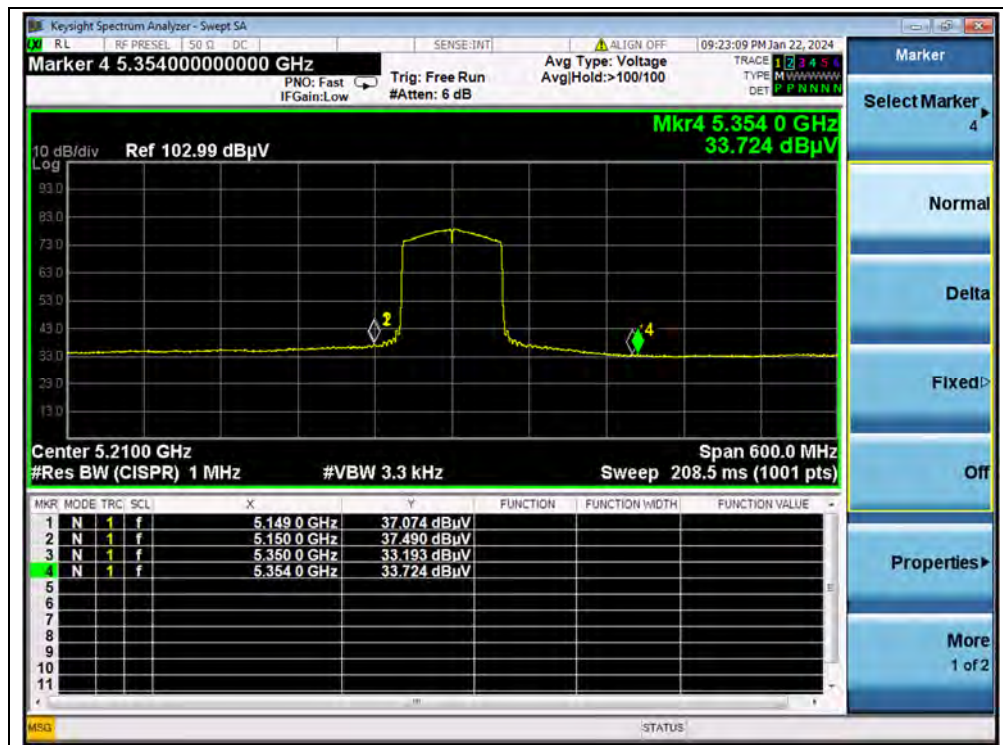
**802.11ac (VHT80) Mode**

| Channel | Frequency (MHz) | Detector | Receiver Reading<br>$U_R$<br>(dB $\mu$ V) | $A_T$<br>(dB) | $A_{Factor}$<br>(dB@3m) | Max. Emission<br>$E$<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Verdict |
|---------|-----------------|----------|-------------------------------------------|---------------|-------------------------|----------------------------------------|-------------------------|---------|
|         |                 | PK/ AV   |                                           |               |                         |                                        |                         |         |
| 42      | 5132.80         | PK       | 46.55                                     | -19.54        | 32.20                   | 59.21                                  | 74                      | PASS    |
| 42      | 5150.00         | AV       | 37.49                                     | -19.54        | 32.20                   | 50.15                                  | 54                      | PASS    |
| 58      | 5376.20         | PK       | 47.88                                     | -18.80        | 32.20                   | 61.28                                  | 74                      | PASS    |
| 58      | 5350.00         | AV       | 36.98                                     | -18.80        | 32.20                   | 50.38                                  | 54                      | PASS    |
| 106     | 5465.34         | PK       | 51.22                                     | -19.20        | 32.20                   | 64.22                                  | 68.23                   | PASS    |
| 106     | 5457.39         | AV       | 36.72                                     | -19.20        | 32.20                   | 49.72                                  | 54                      | PASS    |
| 138     | 5727.39         | PK       | 46.90                                     | -19.20        | 32.20                   | 59.90                                  | 68.23                   | PASS    |
| 155     | 5725.00         | PK       | 54.81                                     | -19.01        | 32.20                   | 68.00                                  | 122.23                  | PASS    |
| 155     | 5855.00         | PK       | 51.24                                     | -19.01        | 32.20                   | 64.43                                  | 110.83                  | PASS    |

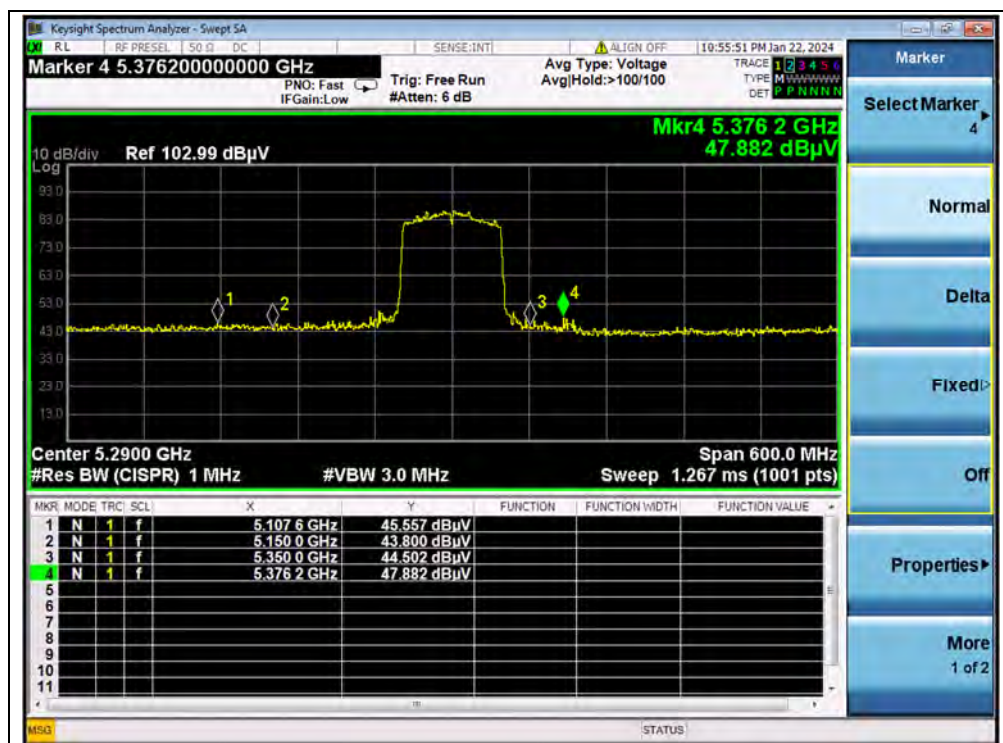


(PEAK, Channel 42, 802.11ac (VHT80))



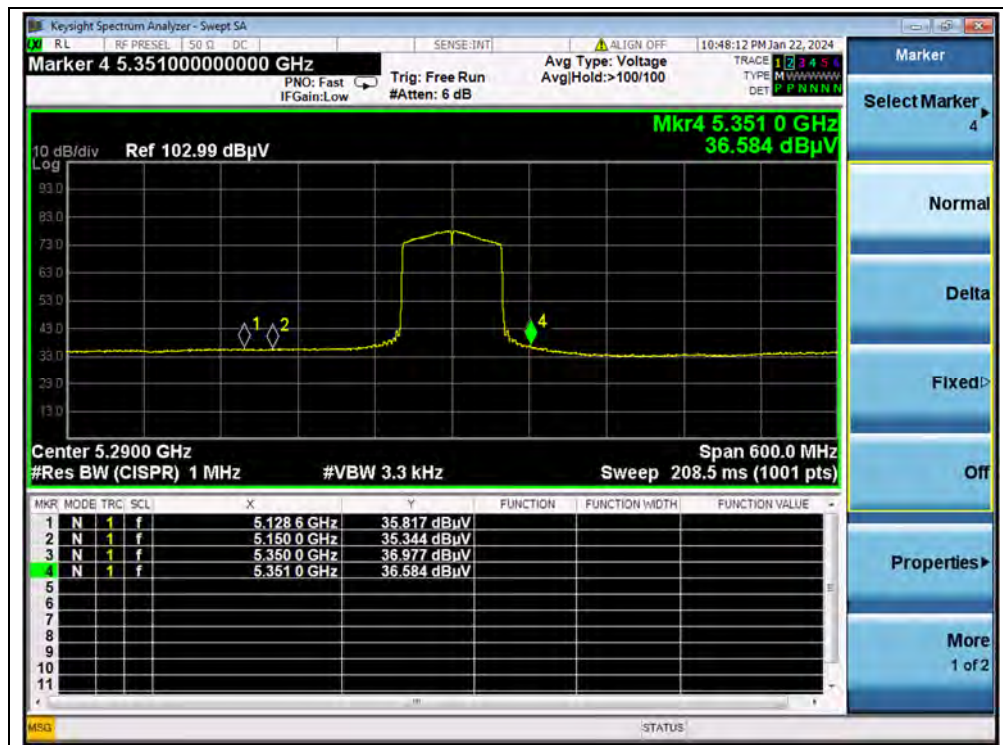


(AVERAGE, Channel 42, 802.11ac (VHT80))

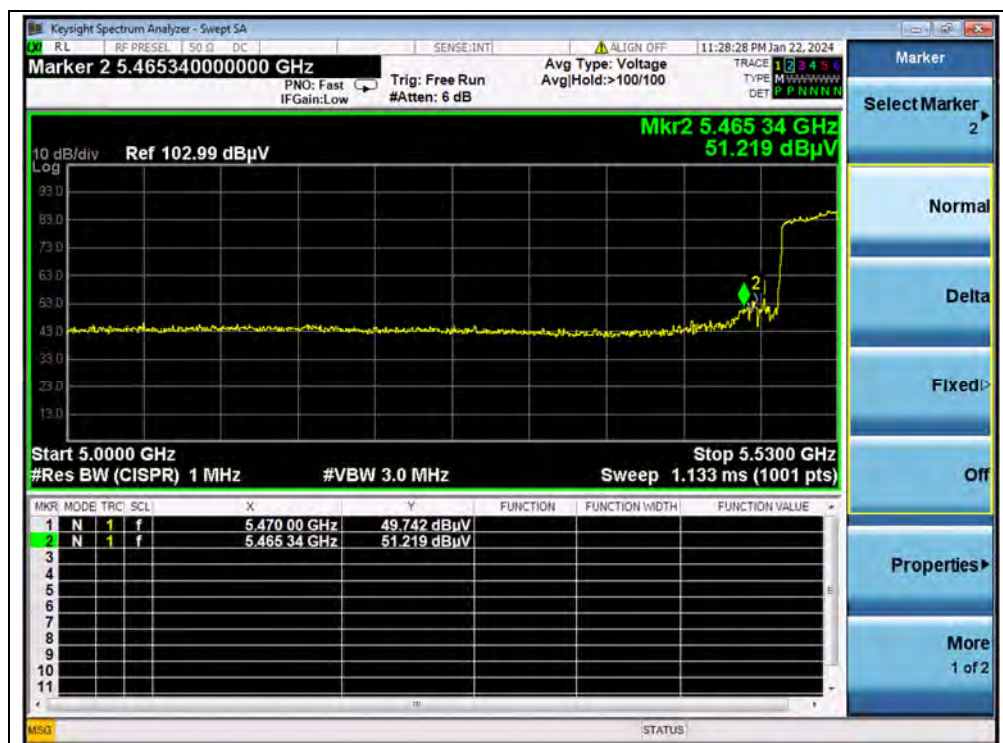


(PEAK, Channel 58, 802.11ac (VHT80))

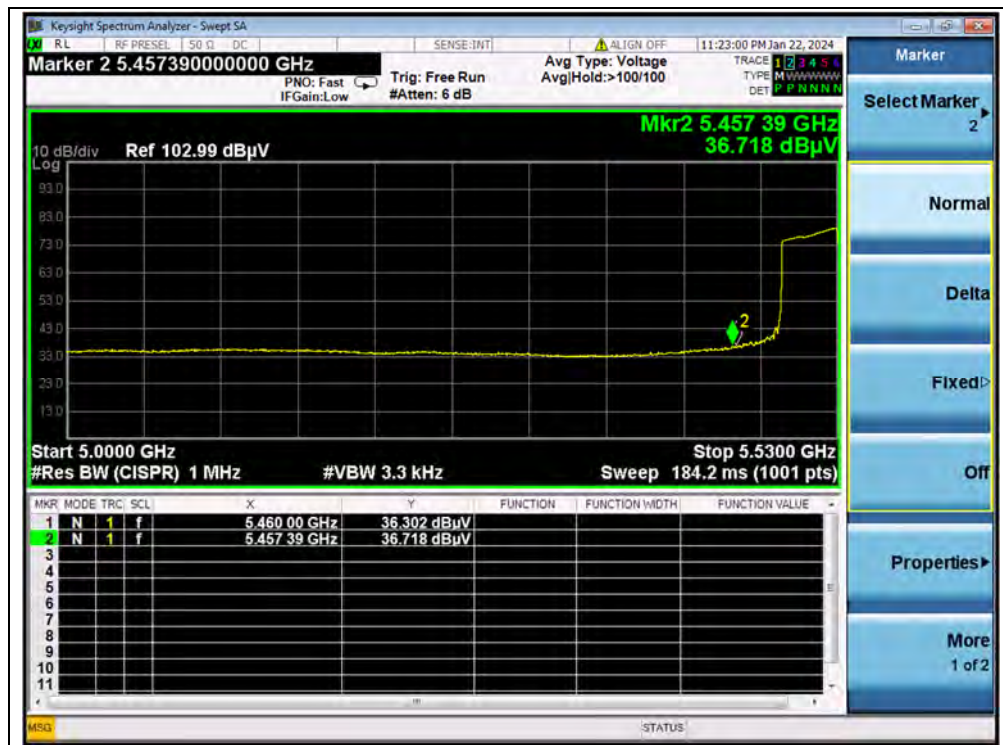




(AVERAGE, Channel 58, 802.11ac (VHT80))



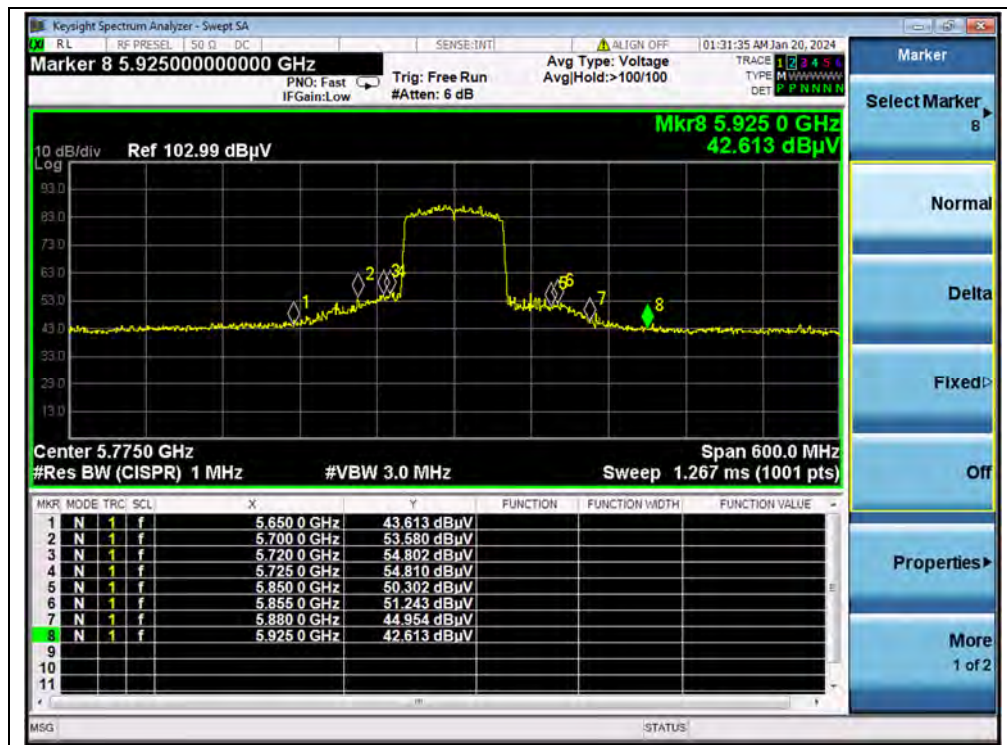
(PEAK, Channel 106, 802.11ac (VHT80))



(AVERAGE, Channel 106, 802.11ac (VHT80))



(PEAK, Channel 138, 802.11ac (VHT80))



(PEAK, Channel 155, 802.11ac (VHT80))



### A.9. Radiated Emission

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:

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

$A_T$ : 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.

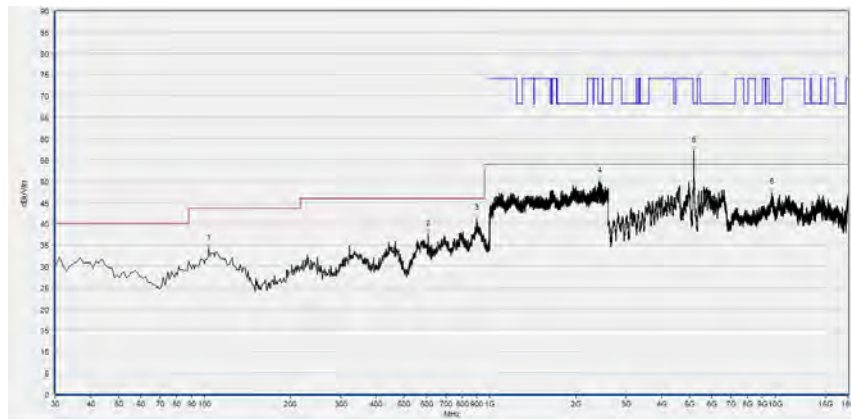
**Note3:** For the frequency, which started from 18GHz to 10th harmonic of the highest frequency, was pre-scanned and the result which was 20dB lower than the limit was not recorded.

**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.



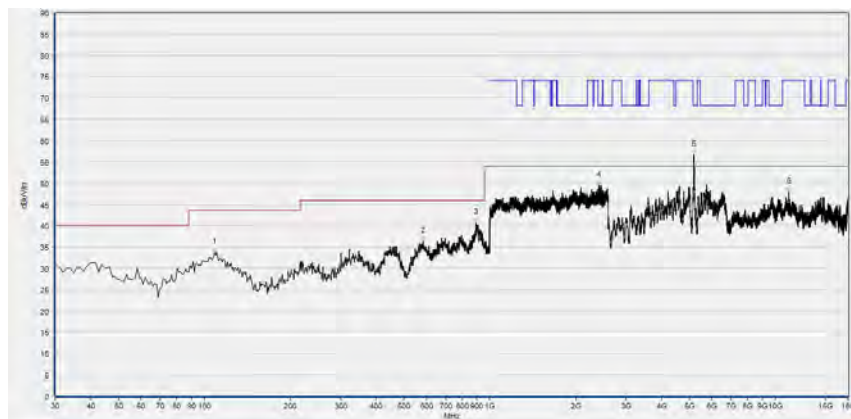
**802.11a Mode**

## Plot for Channel 36



| Fre. (MHz) | PK<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 |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|------------|---------|
| 103.720    | 34.16          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Horizontal | PASS    |
| 609.090    | 37.56          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 900.090    | 41.18          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 2423.467   | 49.92          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |
| 5184.120   | 57.07          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |
| 9742.520   | 47.27          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

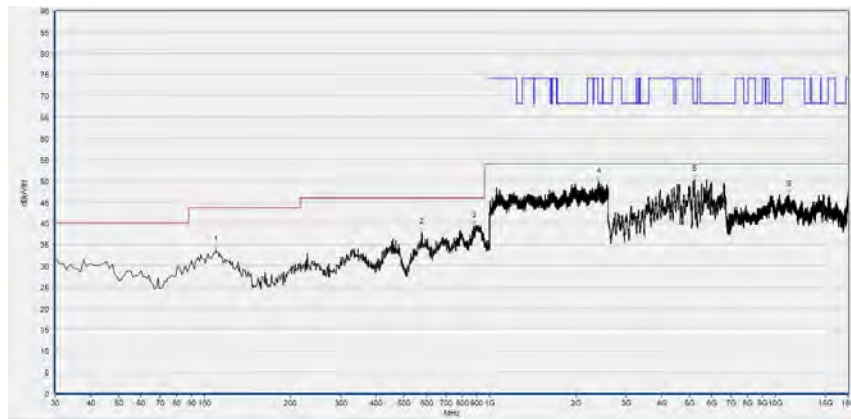


| Fre. (MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna  | Verdict |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|----------|---------|
| 108.570    | 33.63          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Vertical | PASS    |
| 583.870    | 36.31          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 896.210    | 40.66          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 2408.000   | 49.52          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |
| 5181.040   | 56.67          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |
| 11147.000  | 48.01          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

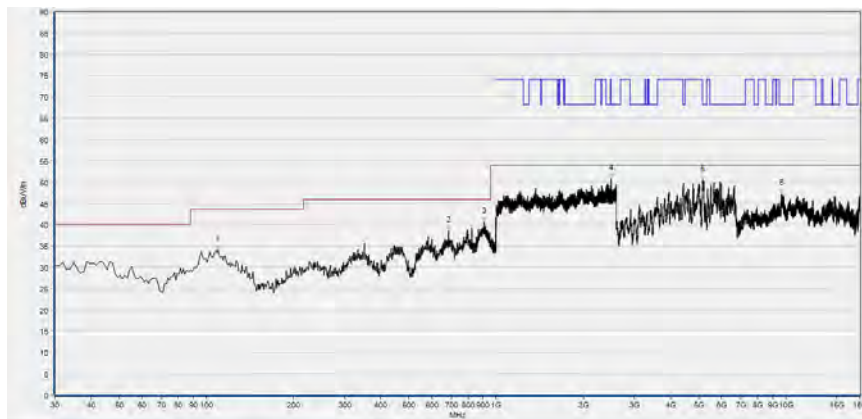


## Plot for Channel 44



| 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 |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|------------|---------|
| 109.540    | 33.67          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Horizontal | PASS    |
| 577.080    | 37.85          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 877.780    | 39.34          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 2412.800   | 49.74          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |
| 5202.600   | 50.21          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |
| 11153.160  | 46.70          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

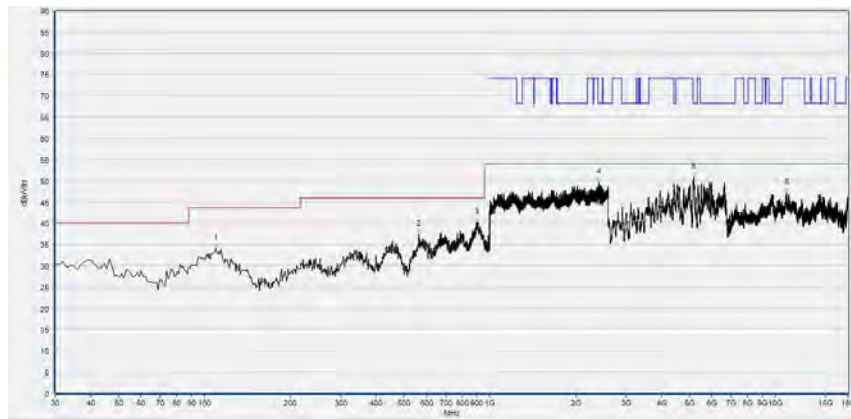


| Fre. (MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna  | Verdict |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|----------|---------|
| 109.540    | 34.01          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Vertical | PASS    |
| 683.780    | 38.55          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 907.850    | 40.71          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 2496.000   | 50.85          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 5165.640   | 50.38          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |
| 9671.680   | 47.35          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

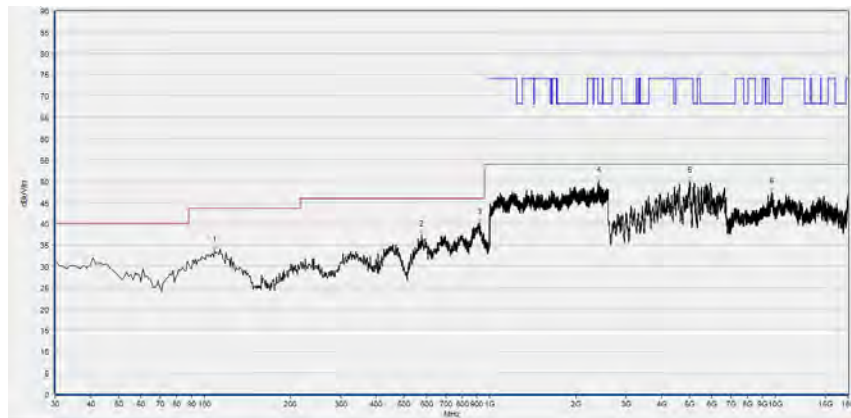


## Plot for Channel 48



| 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    | 34.10       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 563.500    | 37.44       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 900.090    | 40.28       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2412.267   | 49.59       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5181.040   | 50.72       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 10943.720  | 47.11       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

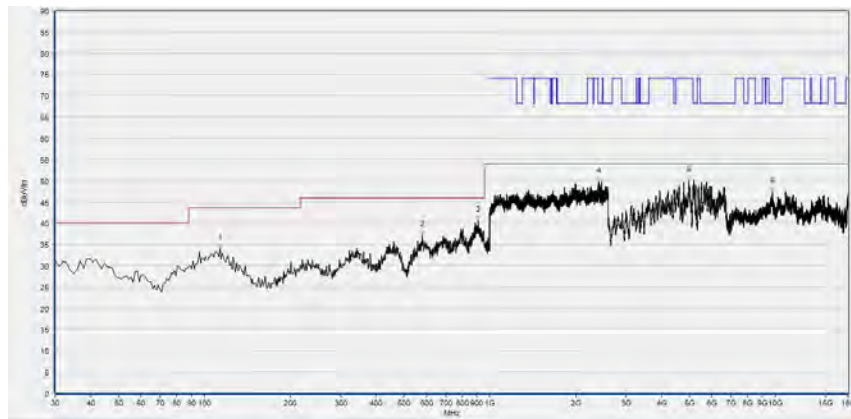
(Antenna Horizontal, 30MHz to 18GHz)



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 108.570    | 33.72       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 577.080    | 37.33       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 919.490    | 40.16       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2402.133   | 50.13       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5008.560   | 49.93       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9739.440   | 47.41       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

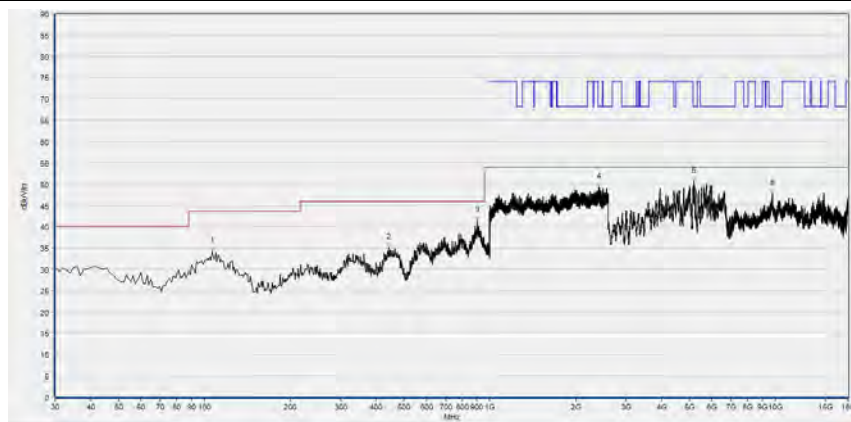
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 52



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 113.420    | 33.99       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 579.020    | 37.16       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 911.730    | 40.71       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2408.000   | 49.85       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 4971.600   | 50.12       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9748.680   | 47.47       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)



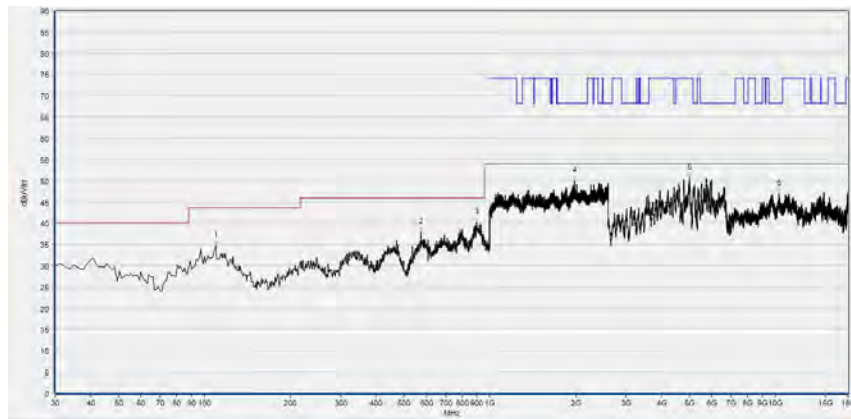
| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 106.630    | 34.21       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 442.250    | 35.10       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 903.000    | 41.31       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2414.933   | 49.22       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5196.440   | 50.58       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 9761.000   | 47.85       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)



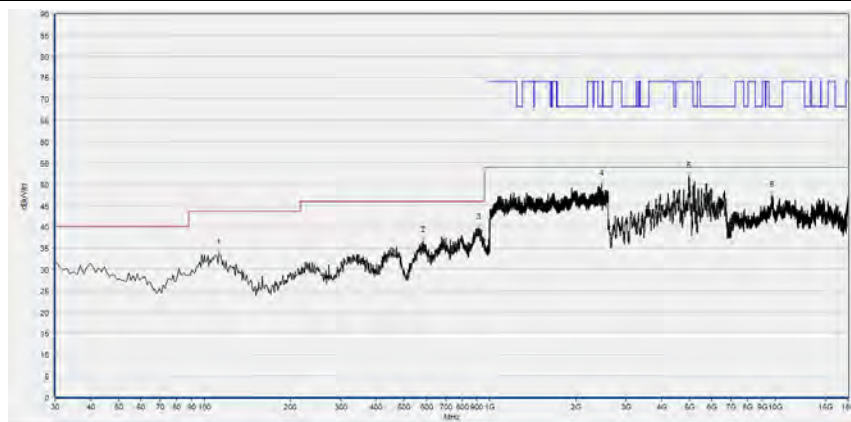


Plot for Channel 60



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 109.540    | 34.67       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 574.170    | 37.84       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 897.180    | 40.18       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1974.400   | 49.93       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 4999.320   | 50.69       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 10278.440  | 46.94       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

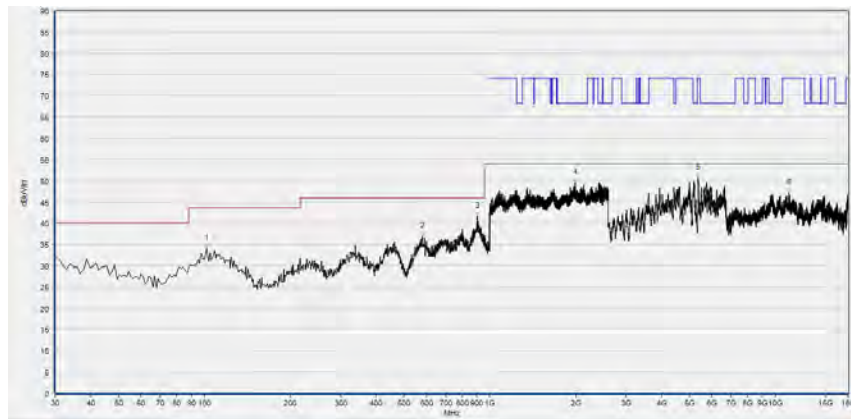
(Antenna Horizontal, 30MHz to 18GHz)



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 112.450    | 33.73       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 581.930    | 36.78       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 913.670    | 39.73       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2458.667   | 49.94       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4977.760   | 51.77       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9736.360   | 47.20       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

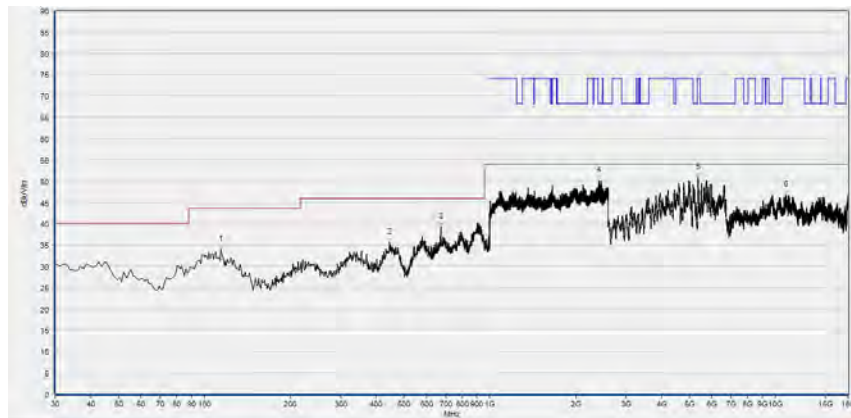
(Antenna Vertical, 30MHz to 18GHz)

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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 101.780    | 34.07       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 579.990    | 36.83       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 902.030    | 41.53       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 1992.533   | 49.43       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5375.080   | 50.61       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 11140.840  | 47.04       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |

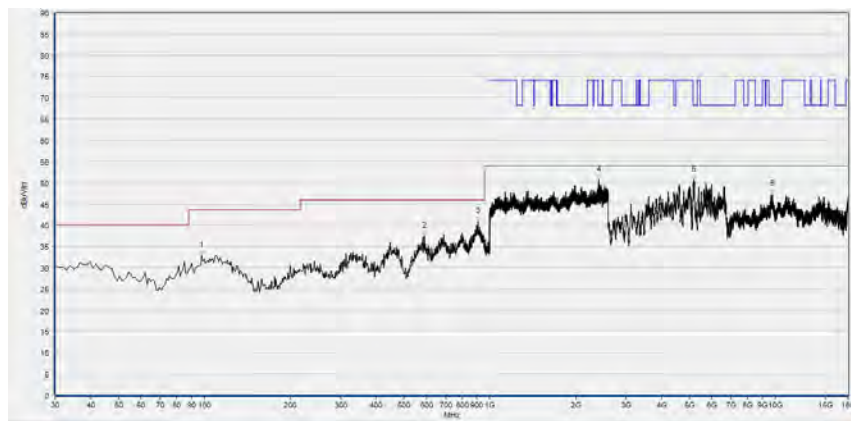
(Antenna Horizontal, 30MHz to 18GHz)



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 114.390    | 33.90       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 446.130    | 35.53       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 674.080    | 39.18       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2410.667   | 50.04       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5375.080   | 50.83       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 10916.000  | 46.69       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

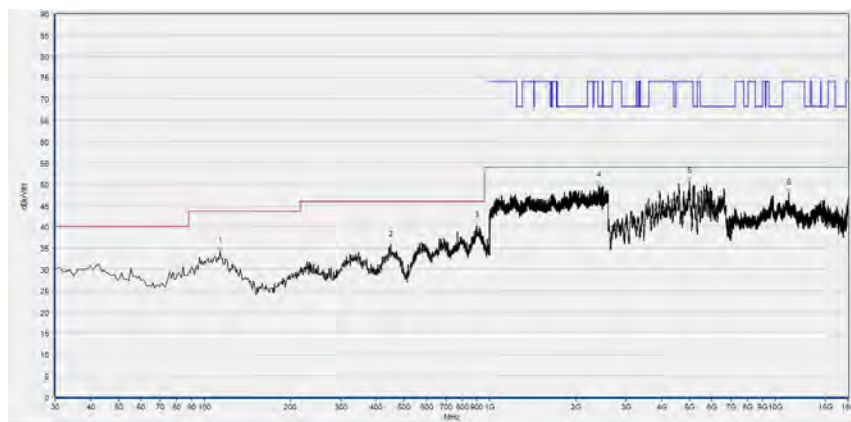
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 100



| 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     | 32.77       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 590.660    | 37.40       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 907.850    | 40.92       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2402.133   | 50.61       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5174.880   | 50.56       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 9751.760   | 47.32       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

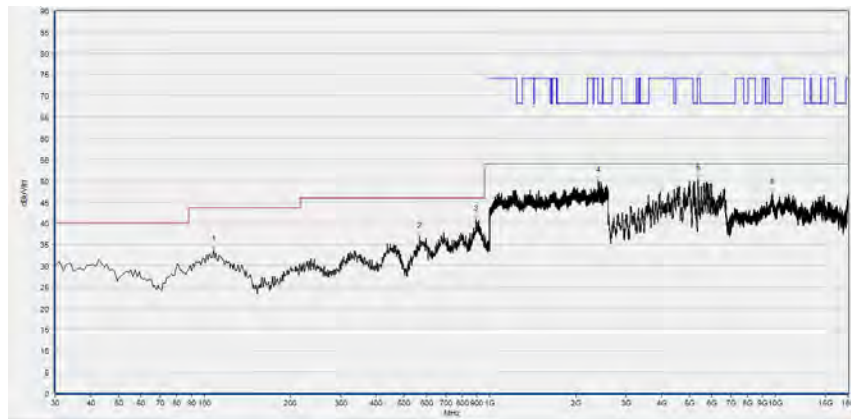
(Antenna Horizontal, 30MHz to 18GHz)



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 113.420    | 34.16       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 449.040    | 35.74       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 899.120    | 40.19       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2412.800   | 49.56       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4999.320   | 50.58       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 11147.000  | 47.87       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

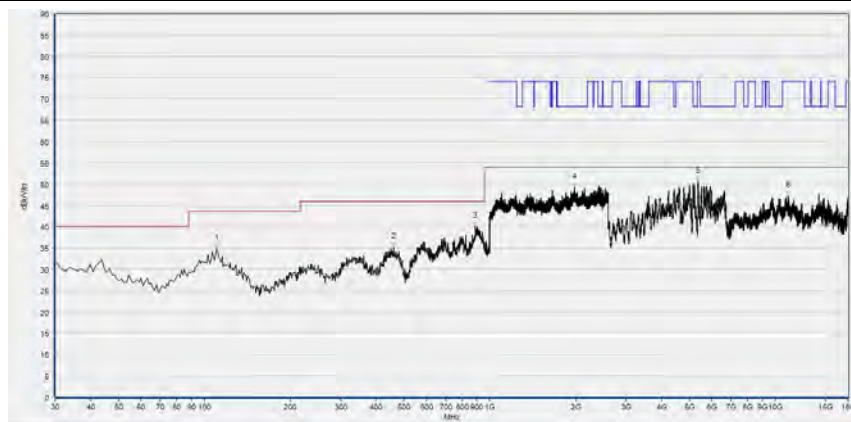
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 120



| 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    | 33.74       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 566.410    | 36.79       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 892.330    | 40.86       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2401.600   | 49.89       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5378.160   | 50.41       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9767.160   | 47.14       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

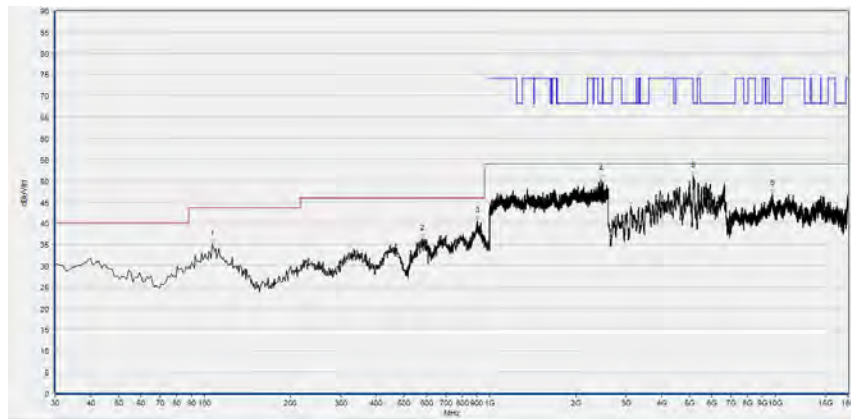


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 110.510    | 34.88       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 459.710    | 35.12       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 890.390    | 40.12       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1975.467   | 49.34       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5372.000   | 50.65       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 11073.080  | 47.25       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

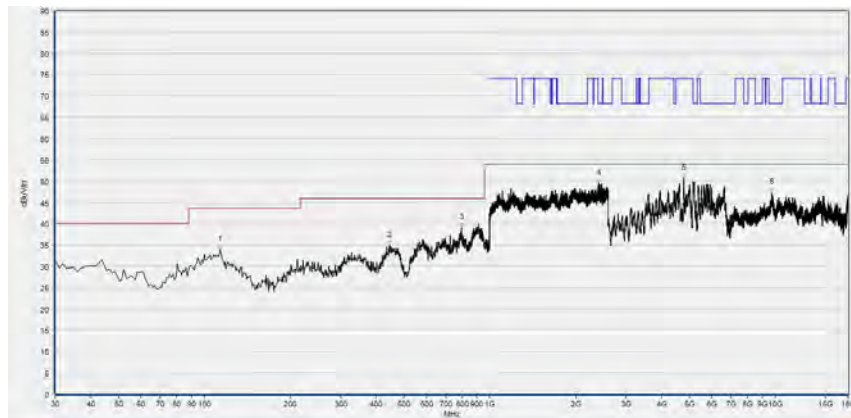


## Plot for Channel 144



| 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    | 35.02       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 579.990    | 36.30       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 905.910    | 40.62       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2454.933   | 50.25       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5168.720   | 51.17       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 9773.320   | 46.91       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

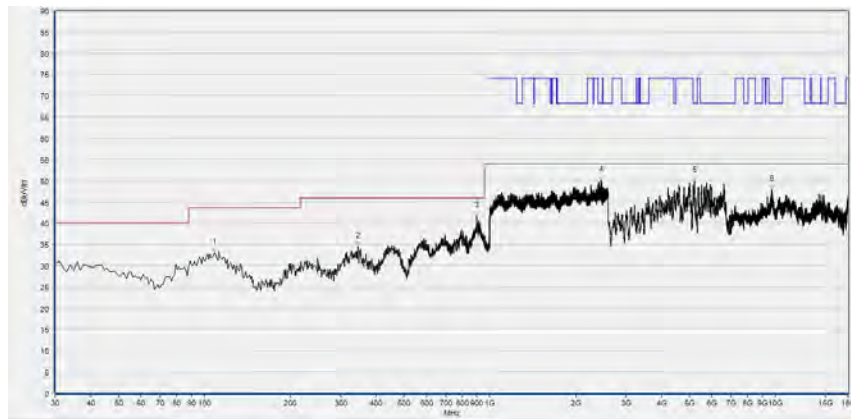


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 113.420    | 33.79       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 446.130    | 34.84       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 794.360    | 39.02       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2405.867   | 49.40       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4780.640   | 50.59       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9736.360   | 47.20       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

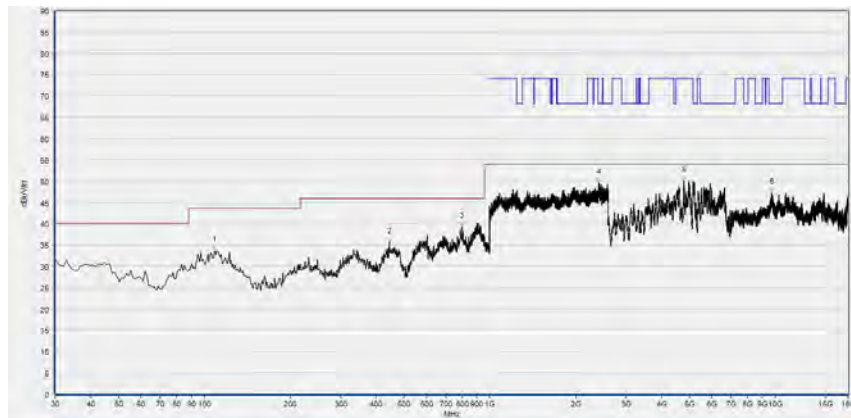


Plot for Channel 149



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 108.570    | 33.08       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 345.250    | 34.50       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 901.060    | 41.74       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2449.067   | 50.06       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5202.600   | 49.96       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 9733.280   | 47.93       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

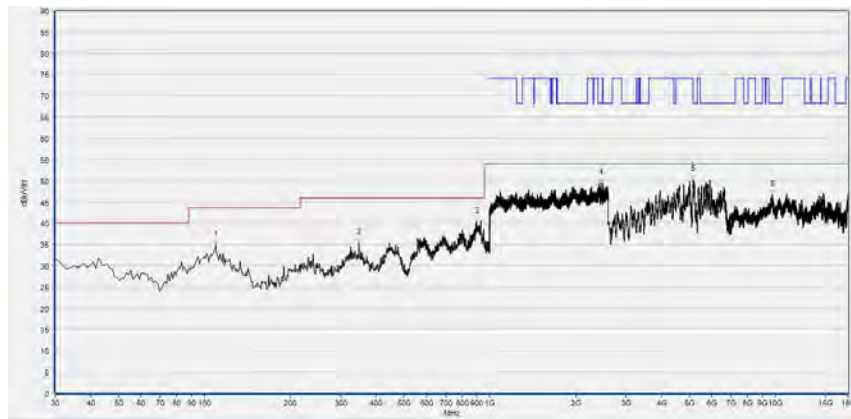
(Antenna Horizontal, 30MHz to 18GHz)



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 108.570    | 33.62       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 444.190    | 35.68       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 798.240    | 39.42       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2404.267   | 49.64       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4792.960   | 50.17       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9720.960   | 47.32       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

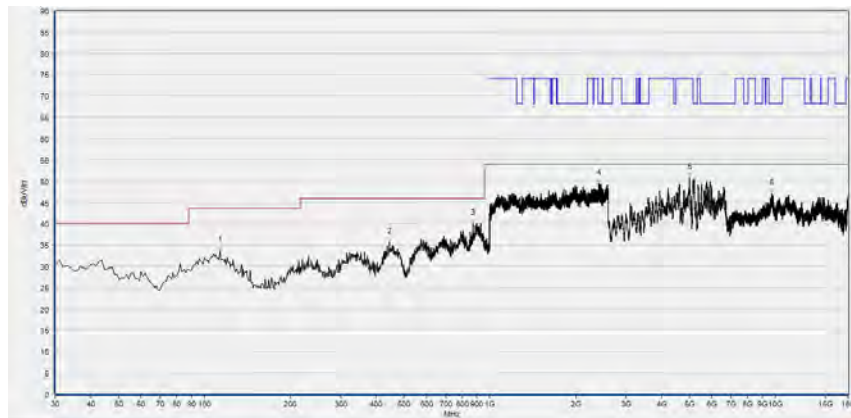
(Antenna Vertical, 30MHz to 18GHz)

## Plot for Channel 157



| 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    | 34.84       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 348.160    | 35.33       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 900.090    | 40.33       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2455.467   | 49.39       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5165.640   | 50.30       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 9751.760   | 46.70       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

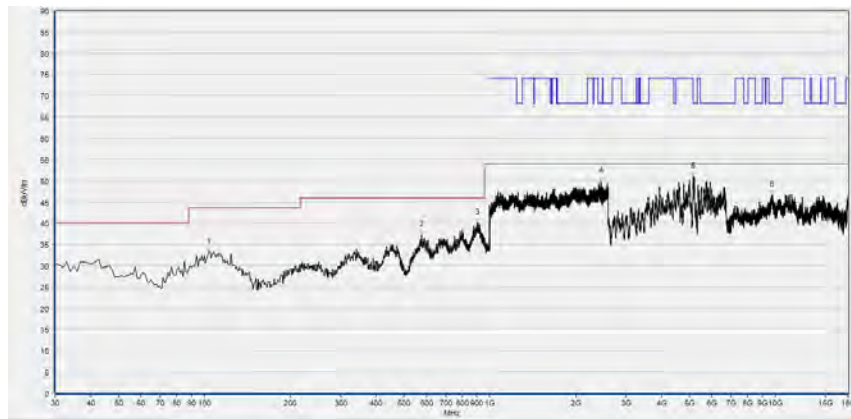
(Antenna Horizontal, 30MHz to 18GHz)



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 113.420    | 33.66       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 444.190    | 35.76       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 873.900    | 40.10       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2412.800   | 49.52       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4999.320   | 50.77       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9739.440   | 47.04       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

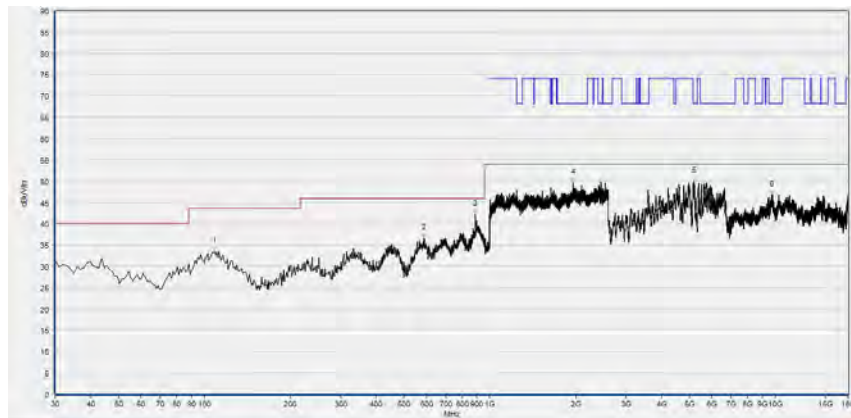
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 165



| 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    | 33.22       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 576.110    | 37.13       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 902.030    | 40.09       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2452.800   | 49.70       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5168.720   | 50.88       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 9742.520   | 46.62       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)



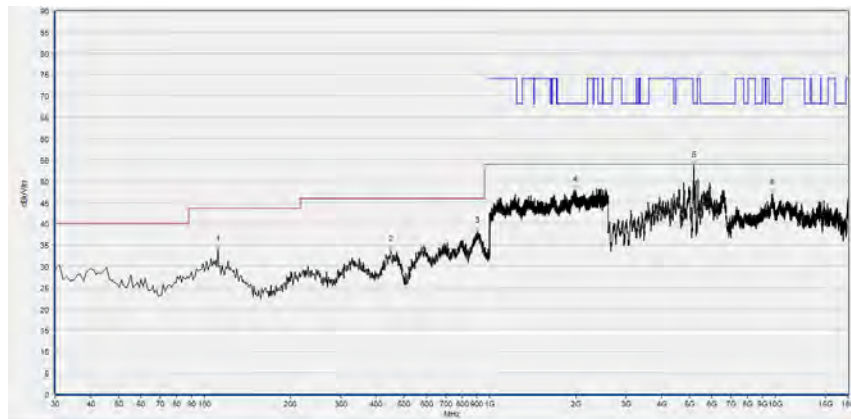
| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 108.570    | 33.45       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 587.750    | 36.53       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 890.390    | 42.25       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1954.667   | 49.54       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5196.440   | 50.00       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 9714.800   | 46.75       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)



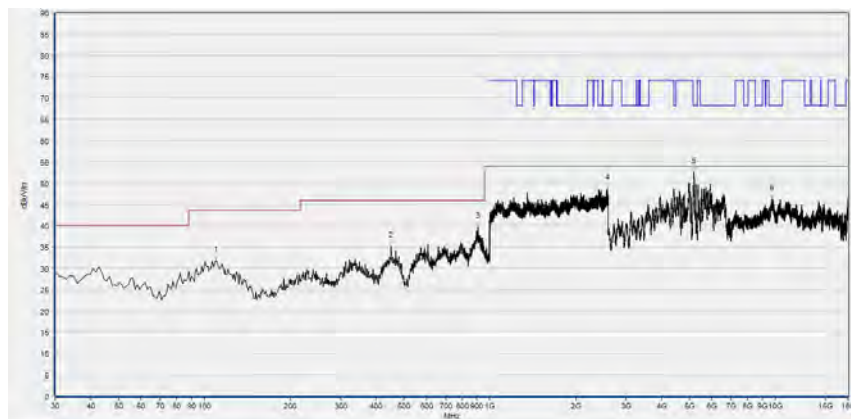
**802.11n (HT40) mode**

Plot for Channel 38



| 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 |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|------------|---------|
| 111.480    | 33.81          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Horizontal | PASS    |
| 450.010    | 33.80          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 903.970    | 38.14          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 1995.200   | 47.90          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |
| 5193.360   | 53.63          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |
| 9767.160   | 47.05          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

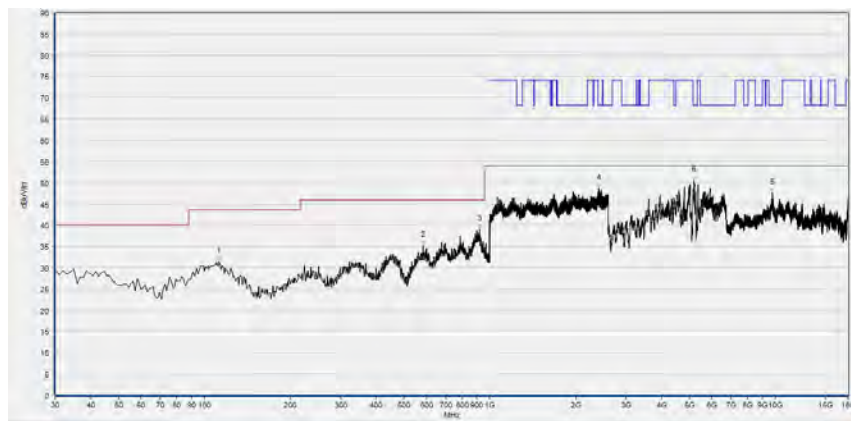


| Fre. (MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna  | Verdict |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|----------|---------|
| 109.540    | 31.80          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Vertical | PASS    |
| 450.980    | 35.14          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 908.820    | 39.64          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 2580.267   | 48.75          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |
| 5193.360   | 52.63          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |
| 9736.360   | 46.34          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

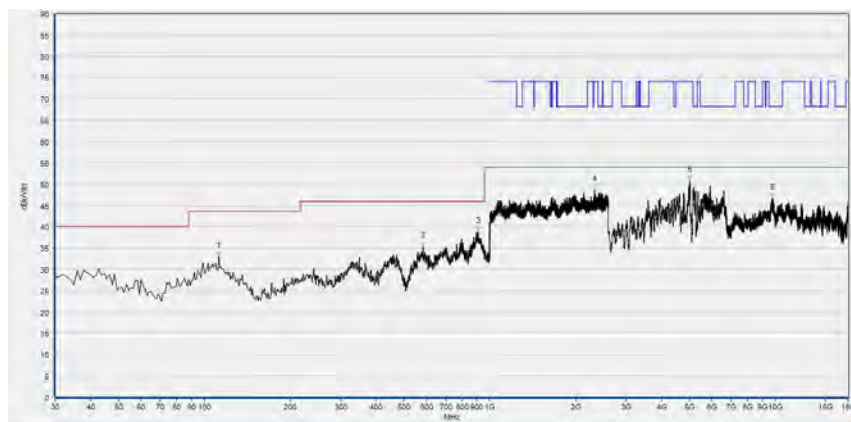


Plot for Channel 46



| 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    | 31.38       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 582.900    | 35.12       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 921.430    | 39.02       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2413.867   | 48.55       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5196.440   | 50.48       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 9773.320   | 47.62       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

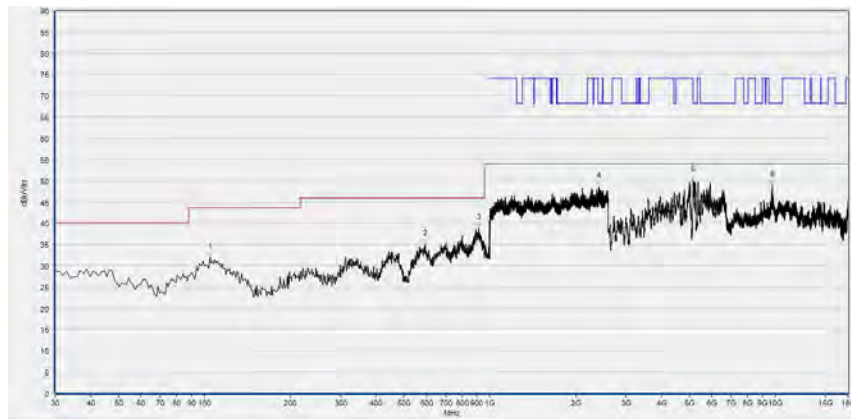


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 112.450    | 33.03       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 581.930    | 35.41       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 909.790    | 38.85       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2320.533   | 48.62       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 5020.880   | 50.73       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9767.160   | 46.69       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

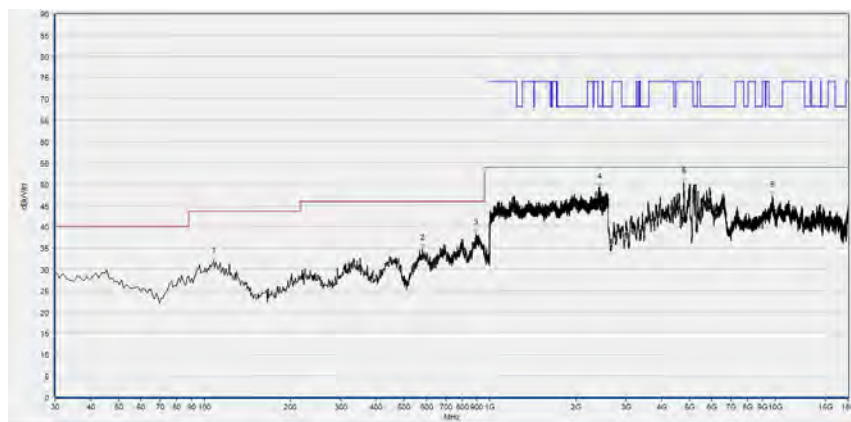


Plot for Channel 54



| 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    | 32.04       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 594.540    | 35.09       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 914.640    | 38.80       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2413.333   | 48.53       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5165.640   | 50.15       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 9761.000   | 48.93       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

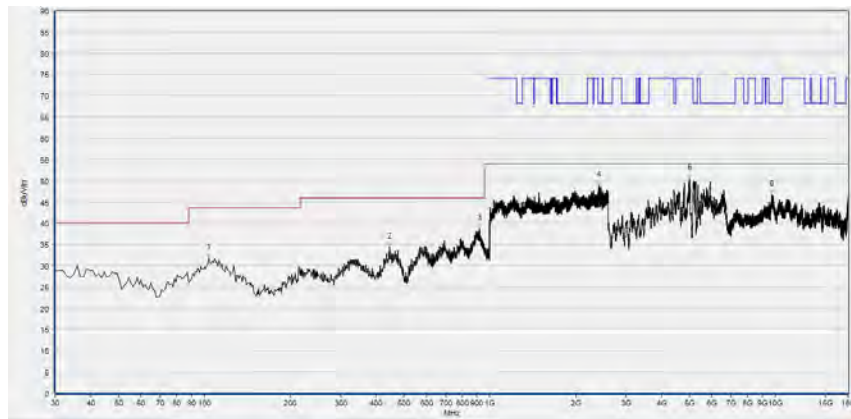
(Antenna Horizontal, 30MHz to 18GHz)



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 107.600    | 31.91       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 579.990    | 34.84       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 896.210    | 38.46       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2416.533   | 49.23       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4780.640   | 50.43       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9785.640   | 47.24       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

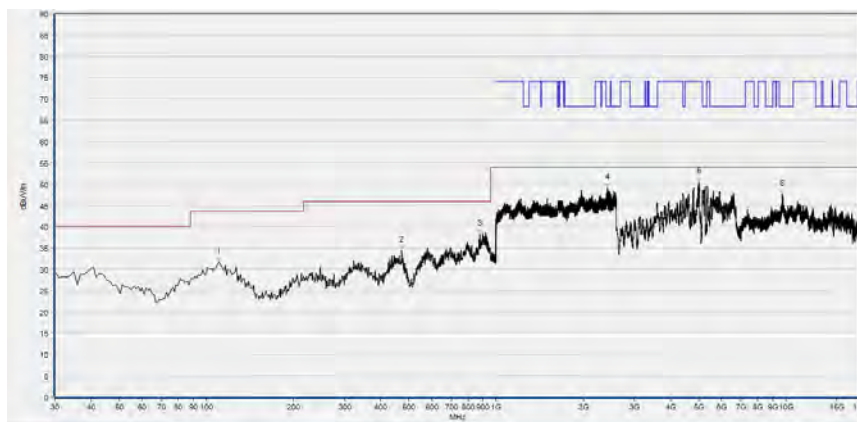
(Antenna Vertical, 30MHz to 18GHz)

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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 103.720    | 31.79       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 446.130    | 34.42       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 920.460    | 38.78       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2404.800   | 48.90       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5017.800   | 50.51       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9736.360   | 46.68       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

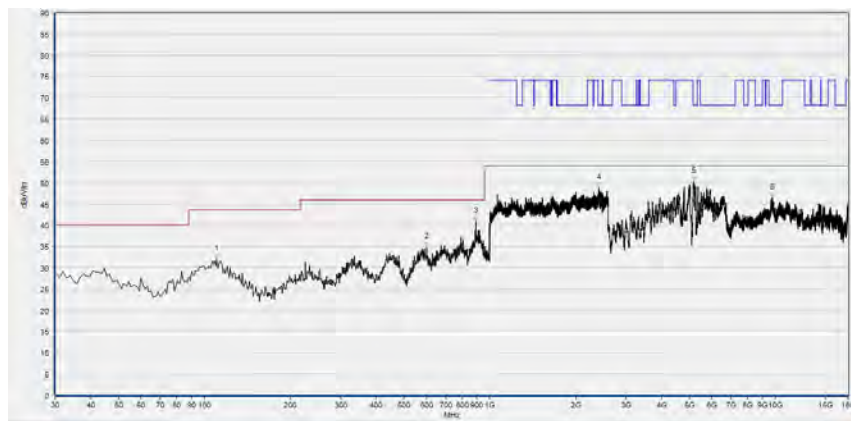


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 110.510    | 31.72       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 472.320    | 34.40       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 880.690    | 38.14       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2418.133   | 49.03       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4999.320   | 50.53       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9739.440   | 47.60       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

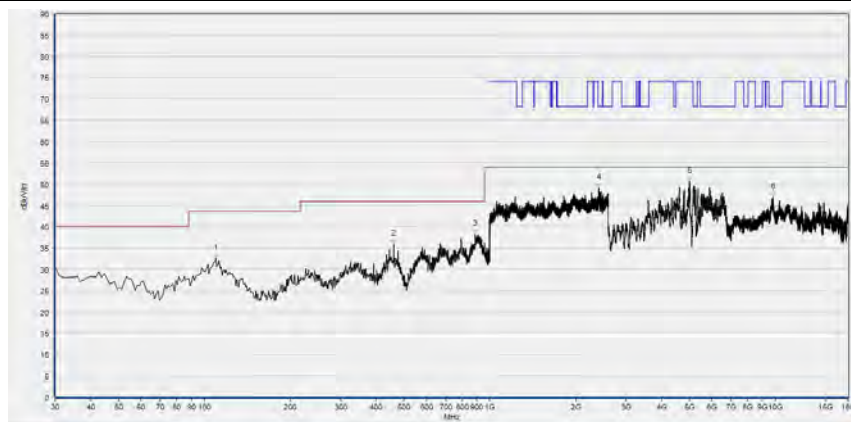


Plot for Channel 102



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 110.510    | 32.07       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 600.360    | 34.78       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 892.330    | 40.82       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2408.533   | 48.82       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5171.800   | 50.29       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 9754.840   | 46.37       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

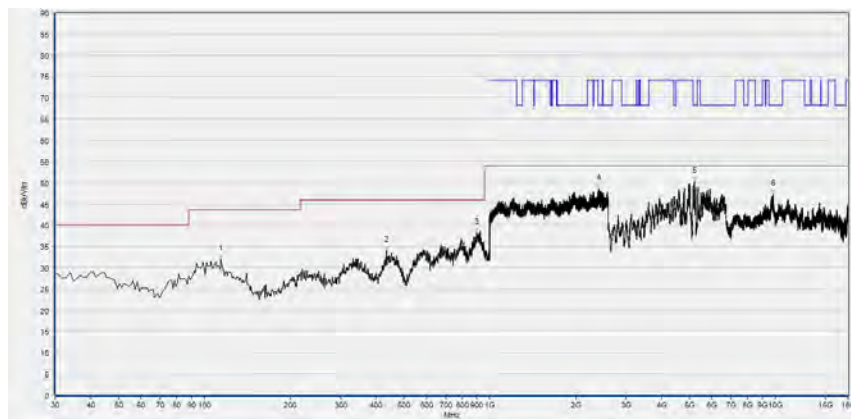


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 109.540    | 32.52       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 460.680    | 35.95       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 889.420    | 38.26       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2407.467   | 49.15       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5014.720   | 50.65       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9819.520   | 46.94       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

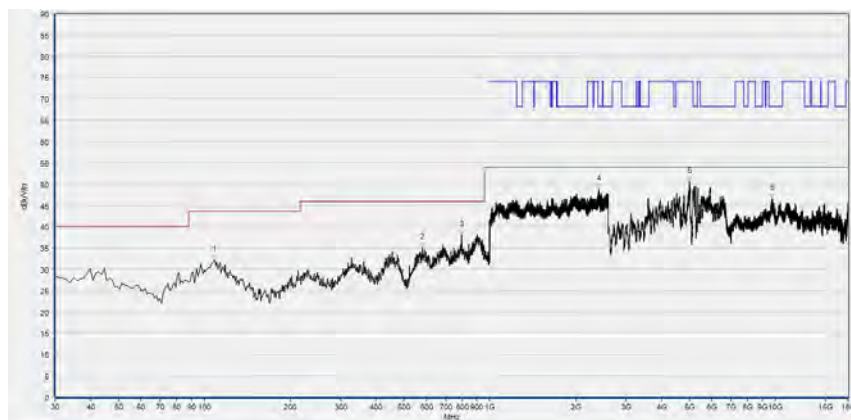


Plot for Channel 126



| 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 |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|------------|---------|
| 114.390    | 32.02          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Horizontal | PASS    |
| 434.490    | 33.94          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 899.120    | 38.19          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 2402.133   | 48.65          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |
| 5202.600   | 50.32          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |
| 9831.840   | 47.34          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

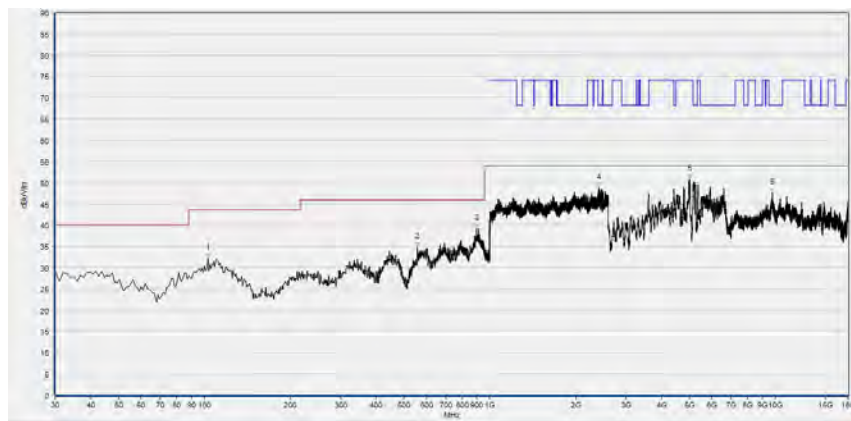


| Fre. (MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna  | Verdict |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|----------|---------|
| 108.570    | 32.23          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Vertical | PASS    |
| 579.990    | 35.08          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 797.270    | 38.09          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 2408.000   | 48.84          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |
| 5005.480   | 50.59          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Vertical | PASS    |
| 9754.840   | 46.52          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

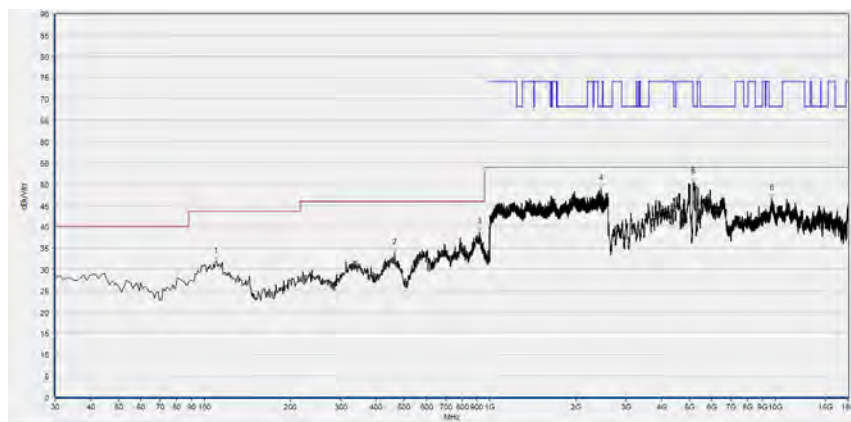


Plot for Channel 142



| 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    | 32.10       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 556.710    | 34.82       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 900.090    | 39.18       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2408.533   | 48.77       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 4999.320   | 50.84       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9751.760   | 47.64       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

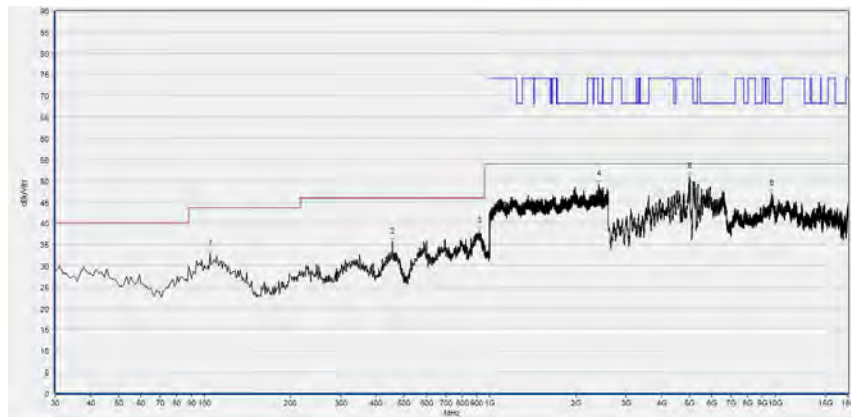
(Antenna Horizontal, 30MHz to 18GHz)



| 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    | 31.82       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 464.560    | 33.93       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 919.490    | 38.63       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2448.000   | 48.95       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5168.720   | 50.53       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 9736.360   | 46.67       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

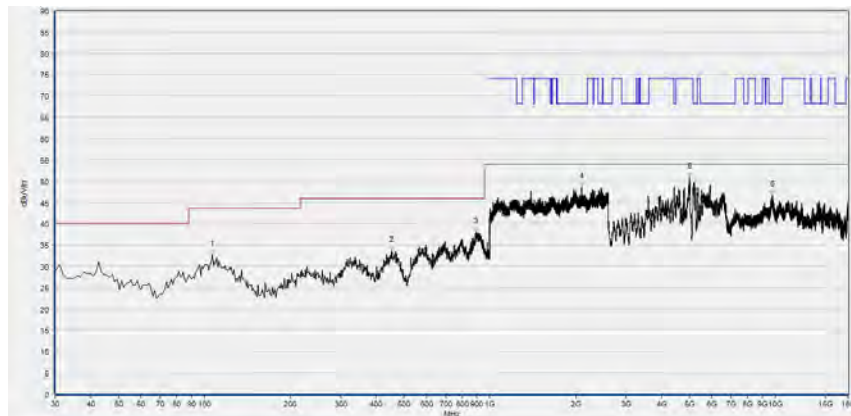
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 151



| 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    | 32.65       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 455.830    | 35.54       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 920.460    | 38.02       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2414.933   | 49.18       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5008.560   | 50.98       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9739.440   | 46.93       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)



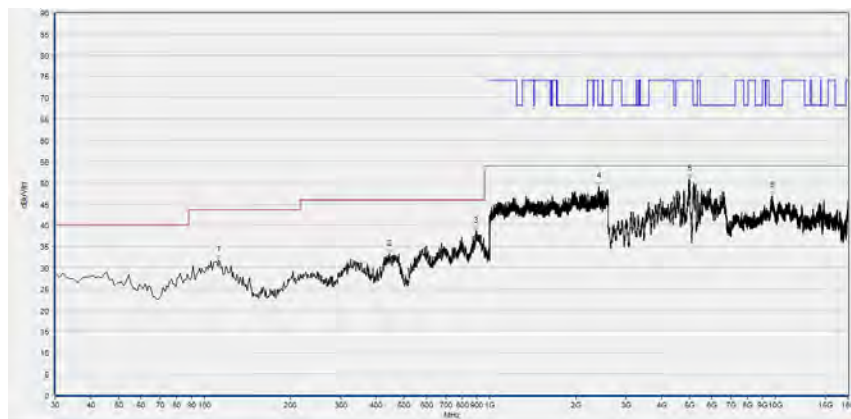
| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 106.630    | 32.62       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 451.950    | 33.62       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 896.210    | 37.99       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2092.800   | 48.67       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5002.400   | 50.88       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9770.240   | 46.79       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)



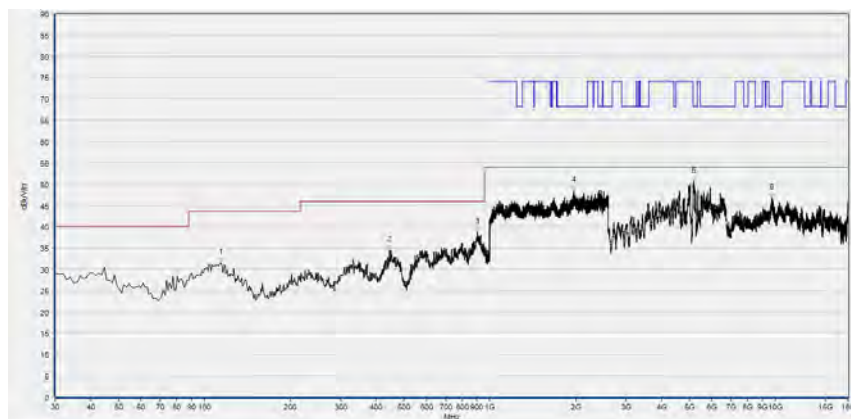


Plot for Channel 159



| 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    | 31.92       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 444.190    | 33.24       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 896.210    | 38.53       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2404.800   | 49.07       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5008.560   | 50.77       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9745.600   | 46.97       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

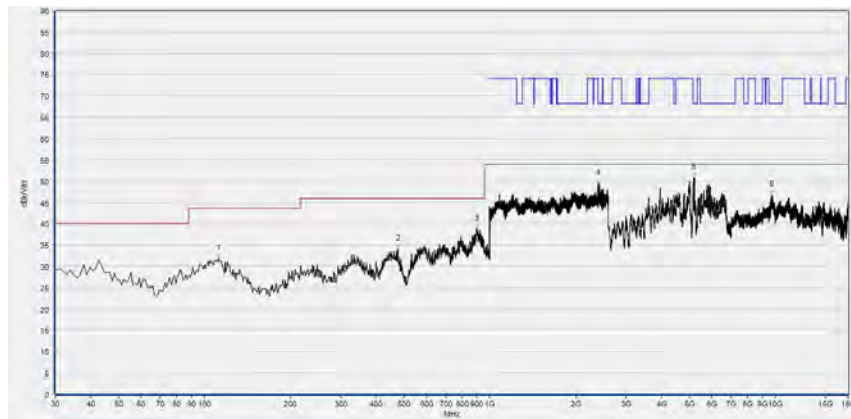


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 114.390    | 31.47       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 445.160    | 34.49       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 903.970    | 38.66       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1966.933   | 48.37       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5174.880   | 50.68       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 9742.520   | 46.84       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

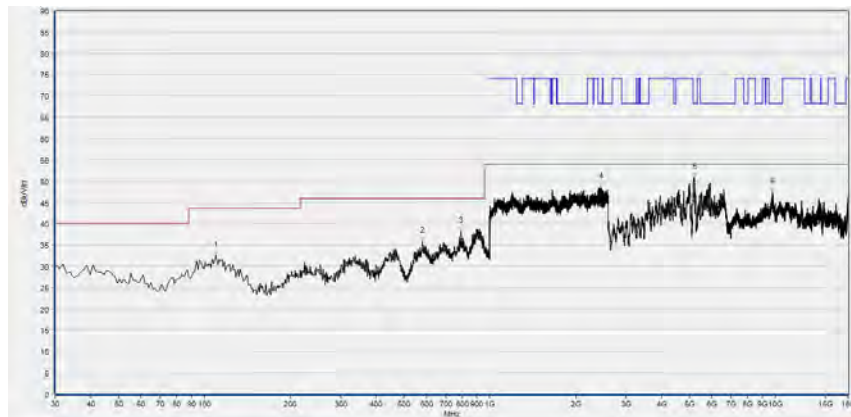
**802.11ac (VHT80) Mode**

Plot for Channel 42



| 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 |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|------------|---------|
| 112.450    | 31.88          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Horizontal | PASS    |
| 476.200    | 33.96          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 898.150    | 38.79          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 2401.600   | 49.42          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |
| 5184.120   | 50.84          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |
| 9742.520   | 46.72          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

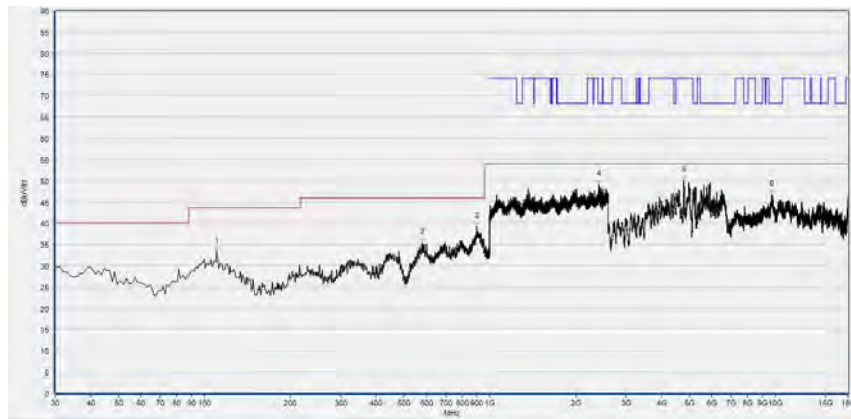


| Fre. (MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna  | Verdict |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|----------|---------|
| 109.540    | 32.44          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Vertical | PASS    |
| 580.960    | 35.79          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 793.390    | 38.23          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 2454.933   | 48.62          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |
| 5199.520   | 50.80          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |
| 9751.760   | 47.37          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

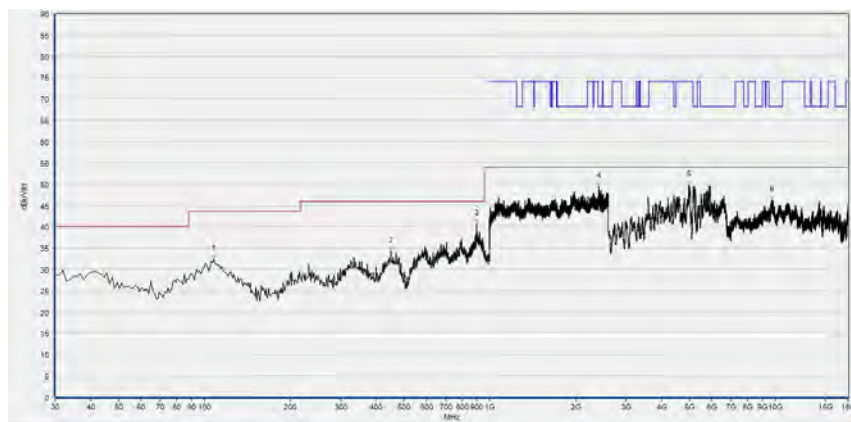


## Plot for Channel 58



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 110.510    | 33.41       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 580.960    | 35.32       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 900.090    | 39.21       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2410.133   | 49.15       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 4777.560   | 50.15       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9727.120   | 46.83       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

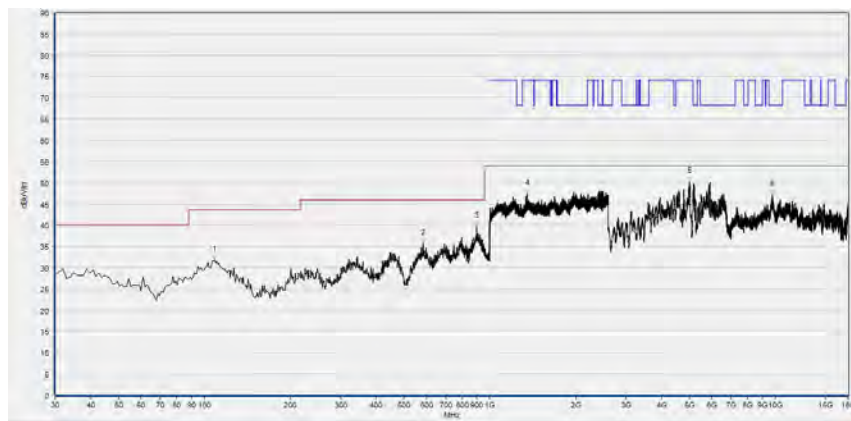


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 107.600    | 32.28       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 450.010    | 34.21       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 898.150    | 40.69       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2409.067   | 49.44       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4987.000   | 49.76       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9736.360   | 46.19       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

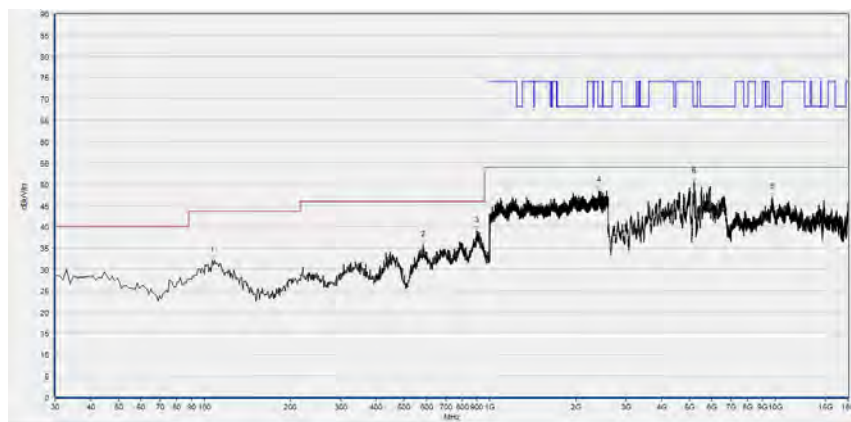


Plot for Channel 106



| 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 |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|------------|---------|
| 108.570    | 31.80          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Horizontal | PASS    |
| 583.870    | 35.70          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 898.150    | 39.64          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Horizontal | PASS    |
| 1352.533   | 47.35          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 4999.320   | 50.22          | N/A            | N/A            | 74.00                | N/A                  | 54.00                | Horizontal | PASS    |
| 9751.760   | 47.02          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)



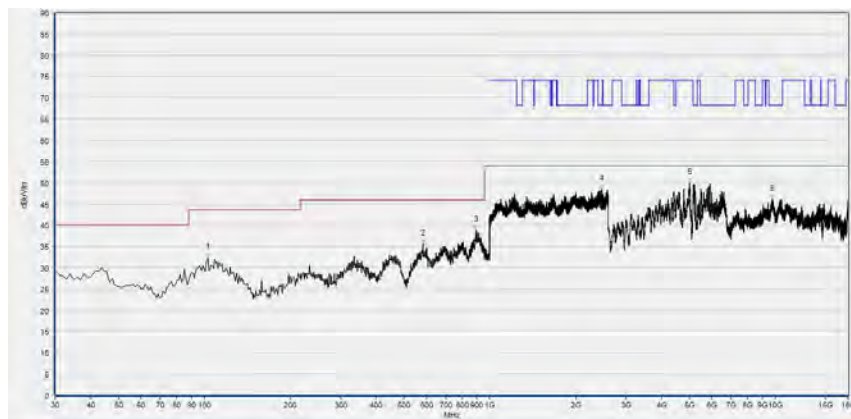
| Fre. (MHz) | PK<br>(dBμV/m) | QP<br>(dBμV/m) | AV<br>(dBμV/m) | Limit-PK<br>(dBμV/m) | Limit-QP<br>(dBμV/m) | Limit-AV<br>(dBμV/m) | Antenna  | Verdict |
|------------|----------------|----------------|----------------|----------------------|----------------------|----------------------|----------|---------|
| 106.630    | 31.96          | N/A            | N/A            | N/A                  | 43.50                | N/A                  | Vertical | PASS    |
| 582.900    | 35.64          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 899.120    | 39.00          | N/A            | N/A            | N/A                  | 46.00                | N/A                  | Vertical | PASS    |
| 2413.333   | 48.36          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |
| 5196.440   | 50.37          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |
| 9751.760   | 47.00          | N/A            | N/A            | 68.23                | N/A                  | N/A                  | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)



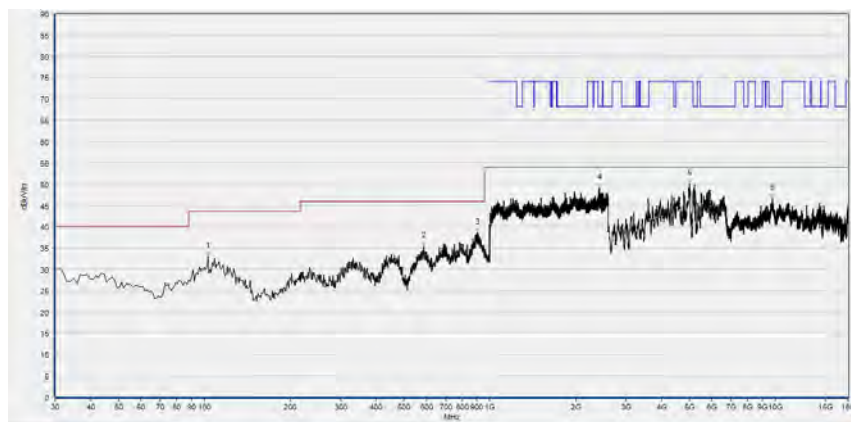


## Plot for Channel 122



| 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    | 32.36       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 581.930    | 35.52       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 892.330    | 38.81       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2458.667   | 48.48       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 4999.320   | 49.97       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9757.920   | 46.16       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

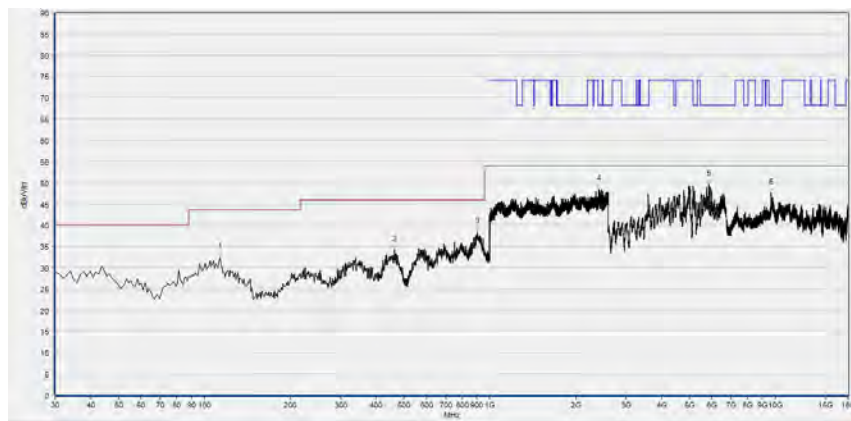
(Antenna Horizontal, 30MHz to 18GHz)



| 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    | 33.09       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 586.780    | 35.28       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 902.030    | 38.53       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2416.000   | 49.03       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4999.320   | 50.07       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9761.000   | 46.52       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

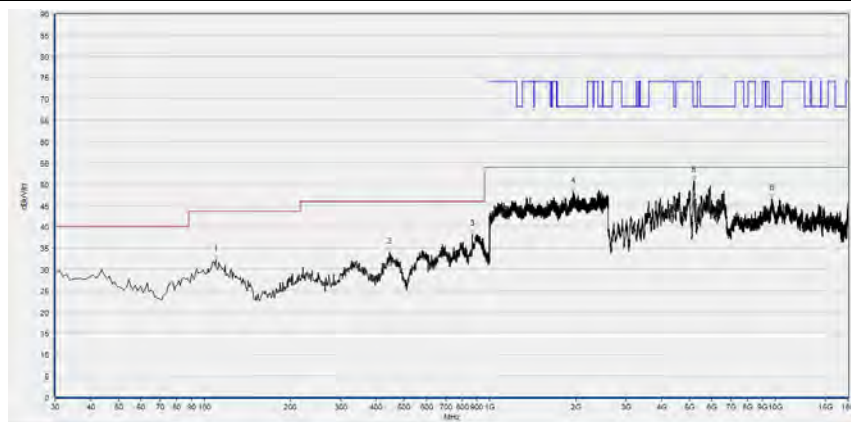
(Antenna Vertical, 30MHz to 18GHz)

Plot for Channel 138



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 113.420    | 32.27       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 462.620    | 34.11       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 903.970    | 38.38       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2411.200   | 48.41       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 5852.480   | 49.57       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 9687.080   | 47.63       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 18GHz)

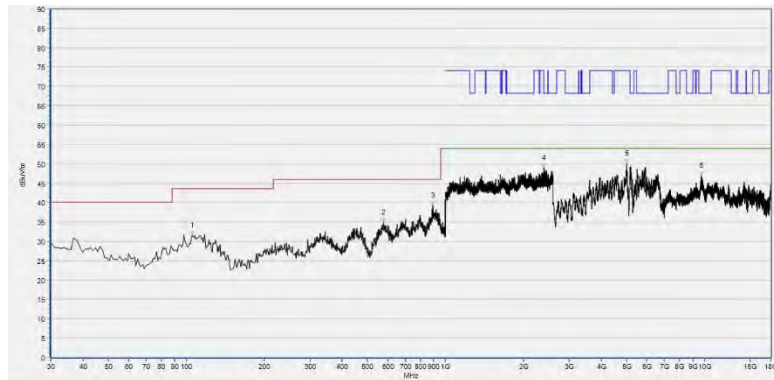


| Fre. (MHz) | PK (dBμV/m) | QP (dBμV/m) | AV (dBμV/m) | Limit-PK (dBμV/m) | Limit-QP (dBμV/m) | Limit-AV (dBμV/m) | Antenna  | Verdict |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 109.540    | 32.22       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 446.130    | 34.03       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 869.050    | 38.17       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 1955.200   | 48.24       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 5174.880   | 50.78       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 9705.560   | 46.54       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

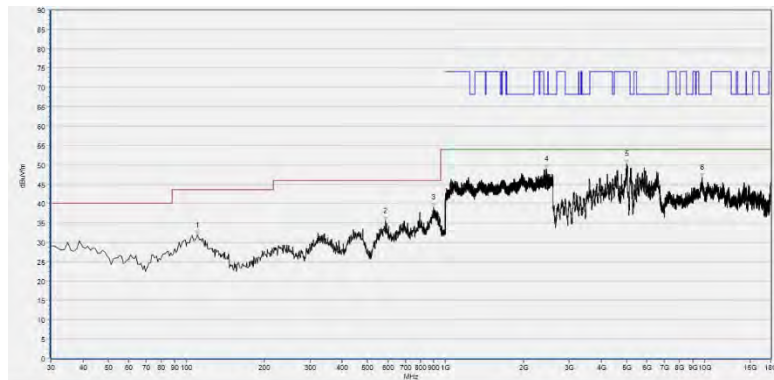


## Plot for Channel 155



| 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|------------|---------|
| 105.660    | 31.50       | N/A         | N/A         | N/A               | 43.50             | N/A               | Horizontal | PASS    |
| 578.050    | 34.79       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 896.210    | 39.19       | N/A         | N/A         | N/A               | 46.00             | N/A               | Horizontal | PASS    |
| 2401.600   | 48.87       | N/A         | N/A         | 68.23             | N/A               | N/A               | Horizontal | PASS    |
| 4999.320   | 50.13       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Horizontal | PASS    |
| 9739.440   | 46.92       | N/A         | N/A         | 68.23             | N/A               | N/A               | 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 |
|------------|-------------|-------------|-------------|-------------------|-------------------|-------------------|----------|---------|
| 110.510    | 31.89       | N/A         | N/A         | N/A               | 43.50             | N/A               | Vertical | PASS    |
| 586.780    | 35.57       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 901.060    | 39.03       | N/A         | N/A         | N/A               | 46.00             | N/A               | Vertical | PASS    |
| 2451.733   | 48.94       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |
| 4999.320   | 50.30       | N/A         | N/A         | 74.00             | N/A               | 54.00             | Vertical | PASS    |
| 9767.160   | 46.73       | N/A         | N/A         | 68.23             | N/A               | N/A               | Vertical | PASS    |

(Antenna Vertical, 30MHz to 18GHz)

END OF REPORT