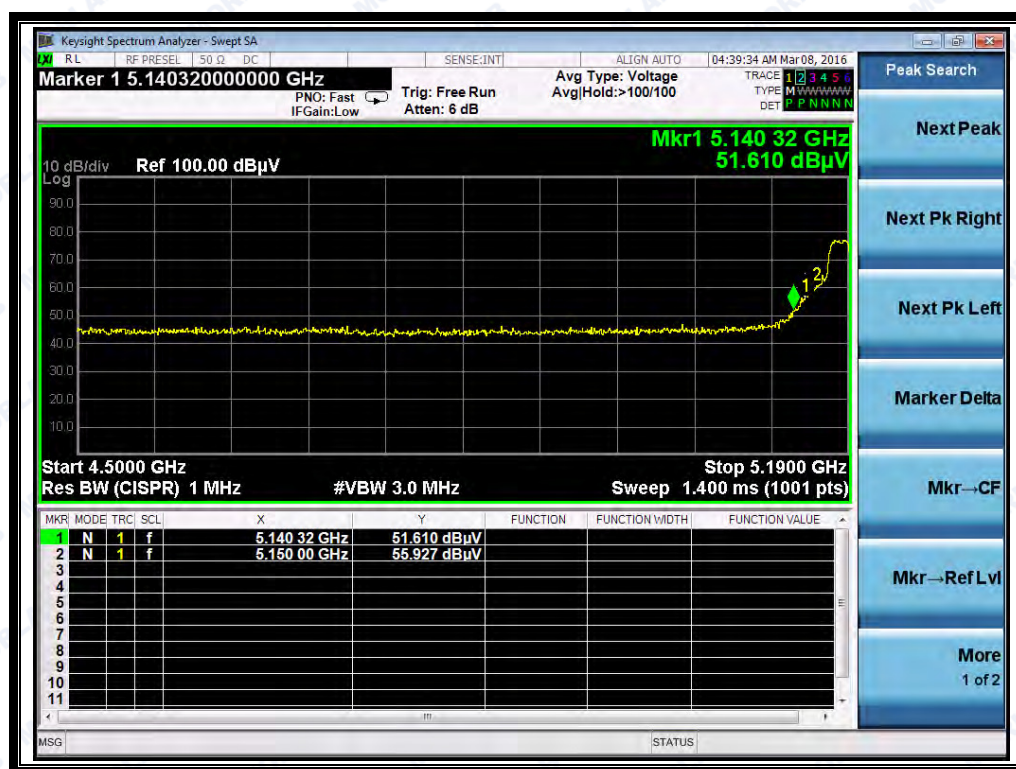


**2.5.3.2 802.11ac-40MHz MIMO Test mode**

The lowest and highest channels are tested to verify the band edge emissions.

**A. Test Verdict:**

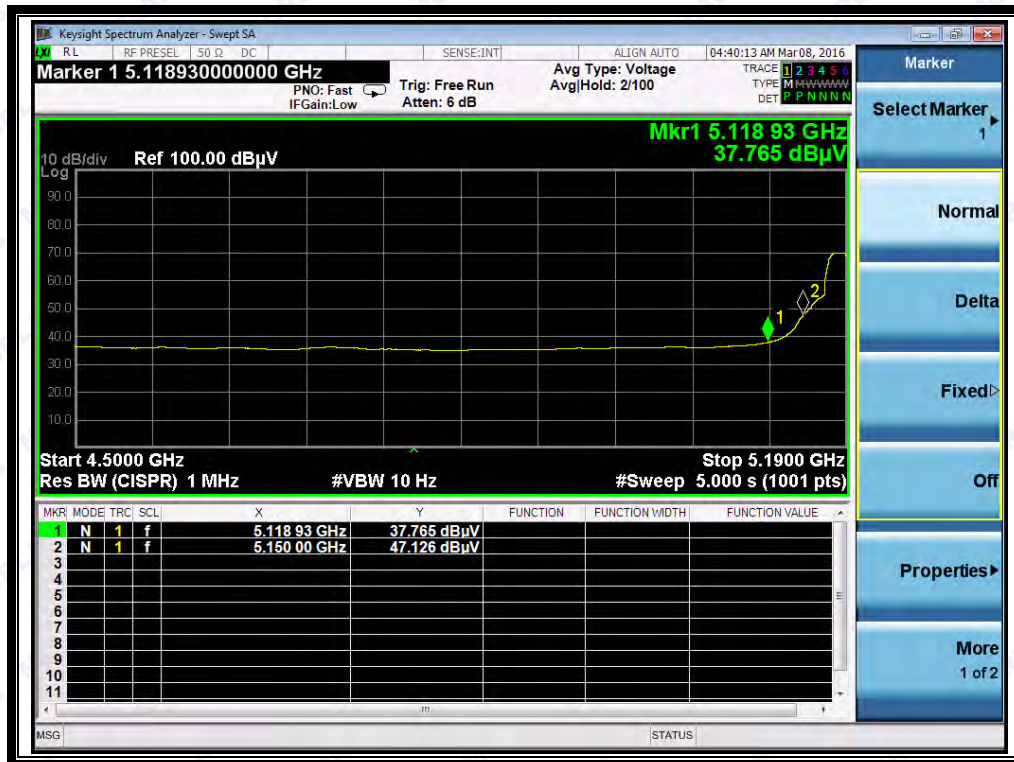
| Channel | Frequency (MHz) | Detector | Receiver Reading<br>$U_R$<br>(dBuV) | $A_T$<br>(dB) | $A_{Factor}$<br>(dB@3m) | Max. Emission<br>$E$<br>(dBuV/m) | Limit<br>(dBuV/m) | Verdict |
|---------|-----------------|----------|-------------------------------------|---------------|-------------------------|----------------------------------|-------------------|---------|
|         |                 | PK/ AV   |                                     |               |                         |                                  |                   |         |
| 38      | 5140.32         | PK       | 51.61                               | -50.65        | 32.11                   | 33.07                            | 74                | Pass    |
| 38      | 5118.93         | AV       | 37.77                               | -50.65        | 32.11                   | 19.23                            | 54                | Pass    |
| 46      | 5362.96         | PK       | 44.20                               | -50.65        | 32.11                   | 25.66                            | 74                | Pass    |
| 46      | 5362.74         | AV       | 34.75                               | -50.65        | 32.11                   | 16.21                            | 54                | Pass    |

**B. Test Plots:**

(Channel = 38 PEAK @ 802.11ac)



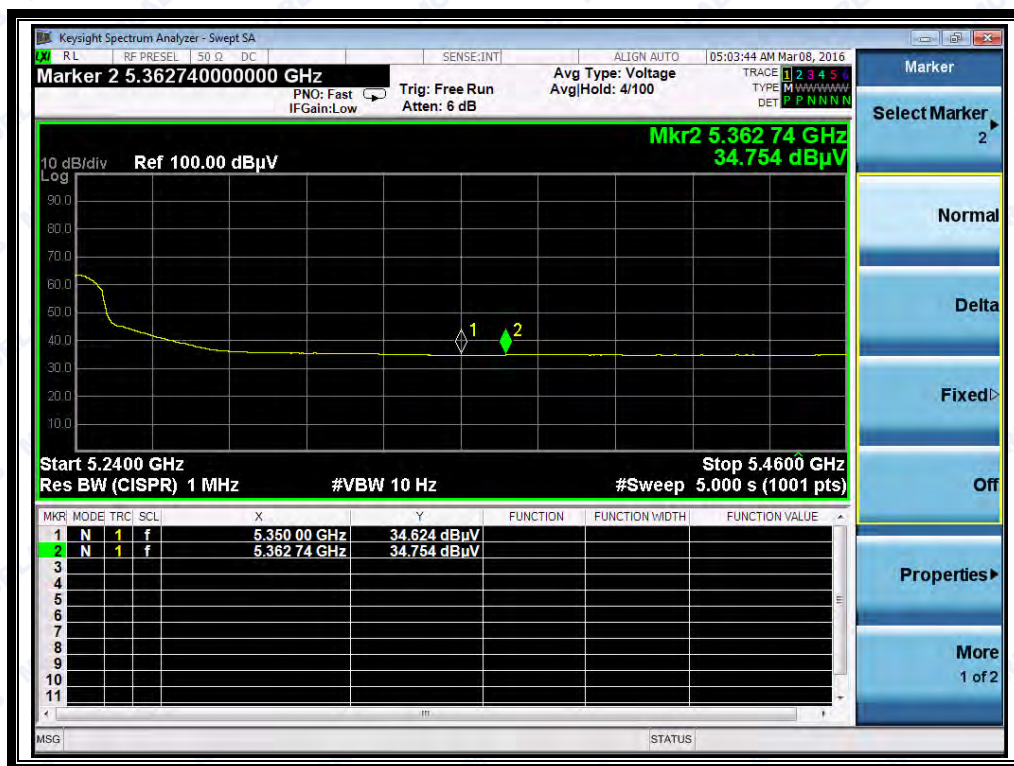
REPORT No.: SZ16020033W12



(Channel = 38 AVG @ 802.11ac)



(Channel = 46 PEAK @ 802.11ac)



(Channel = 46 AVG @ 802.11ac)

### 2.5.3.3 802.11ac-80MHz MIMO Test mode

The lowest and highest channels are tested to verify the band edge emissions.

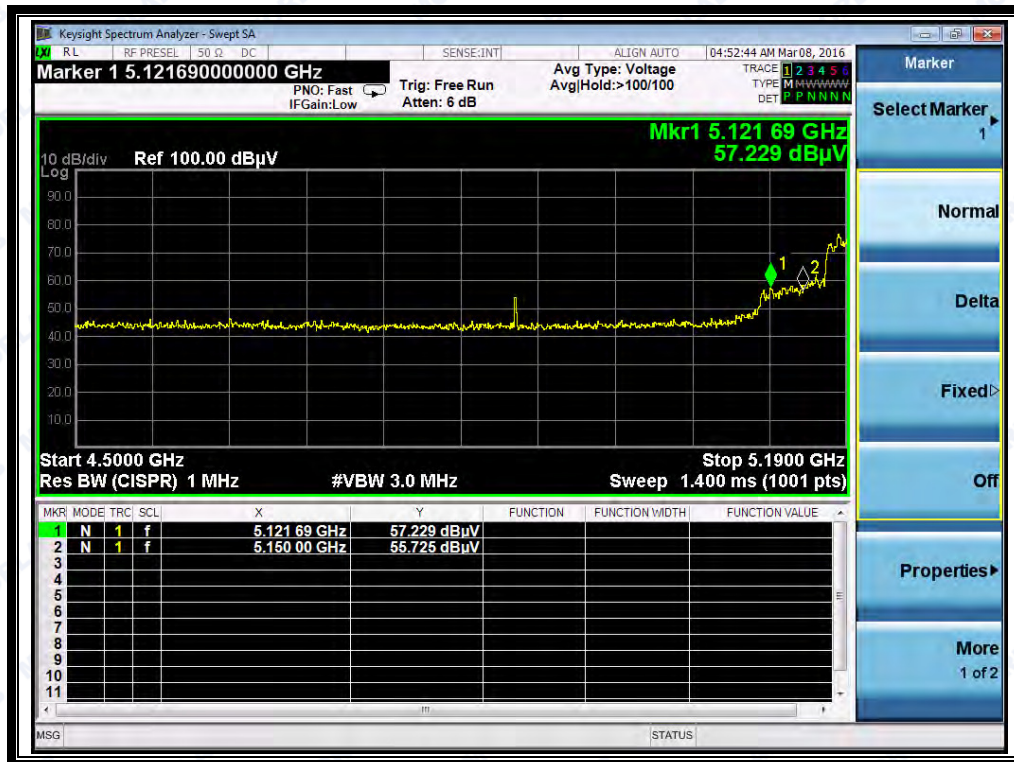
#### A. Test Verdict:

| Channel | Frequency (MHz) | Detector | Receiver Reading $U_R$ (dBμV) | $A_T$ (dB) | $A_{Factor}$ (dB@3m) | Max. Emission $E$ (dBμV/m) | Limit (dBμV/m) | Verdict |
|---------|-----------------|----------|-------------------------------|------------|----------------------|----------------------------|----------------|---------|
|         |                 | PK/ AV   |                               |            |                      |                            |                |         |
| 42      | 5121.69         | PK       | 57.23                         | -50.65     | 32.11                | 38.69                      | 74             | Pass    |
| 42      | 5121.69         | AV       | 47.11                         | -50.65     | 32.11                | 28.57                      | 54             | Pass    |
| 42      | 5380.70         | PK       | 45.09                         | -50.65     | 32.11                | 26.55                      | 74             | Pass    |
| 42      | 5358.34         | AV       | 34.78                         | -50.65     | 32.11                | 16.24                      | 54             | Pass    |

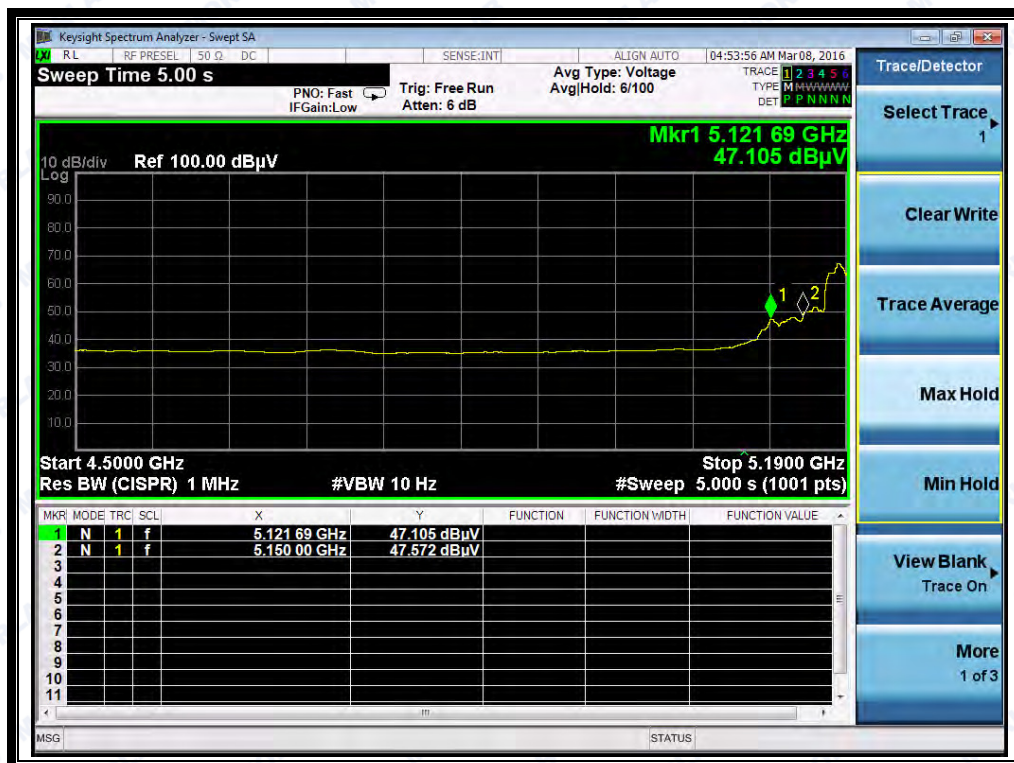
#### B. Test Plots:



REPORT No.: SZ16020033W12



(Channel = 42 PEAK @ 802.11ac)



(Channel = 42 AVG @ 802.11ac)



REPORT No.: SZ16020033W12



(Channel = 42 PEAK @ 802.11ac)



(Channel = 42 AVG @ 802.11ac)



The lowest and highest channels are tested to verify the band edge emissions.

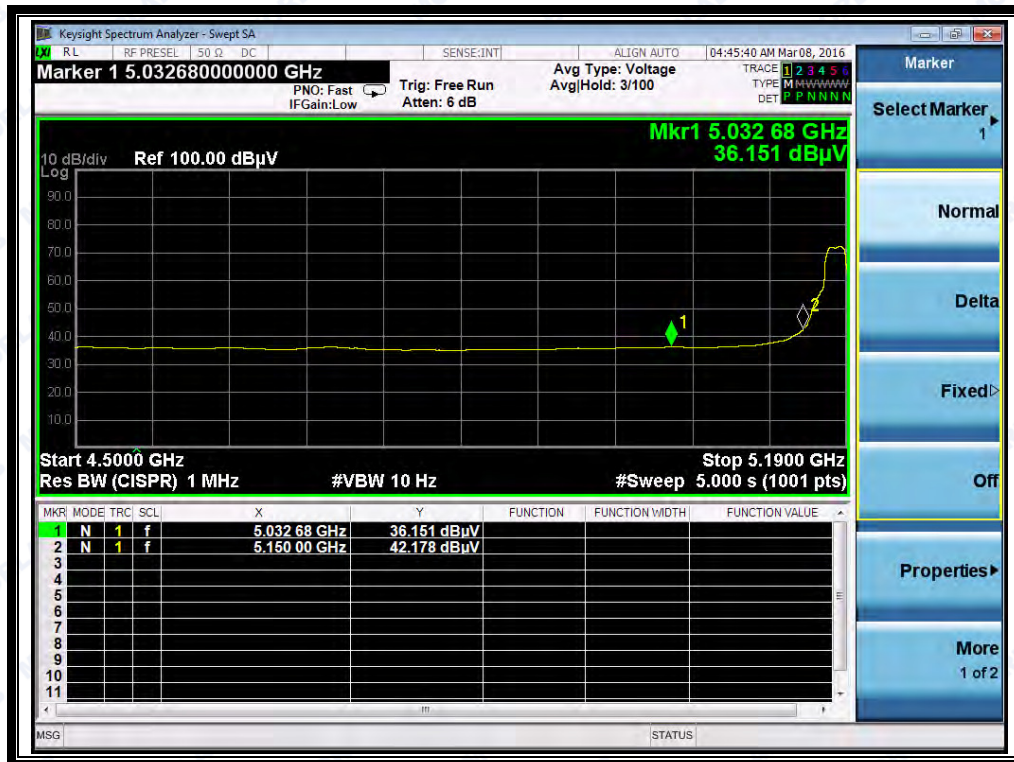
| Channel | Frequency<br>(MHz) | Detector | Receiver<br>Reading      | A <sub>T</sub> | A <sub>Factor</sub> | Max.<br>Emission | Limit    | Verdict |
|---------|--------------------|----------|--------------------------|----------------|---------------------|------------------|----------|---------|
|         |                    | PK/ AV   | U <sub>R</sub><br>(dBuV) | (dB)           | (dB@3m)             | E<br>(dBμV/m)    | (dBμV/m) |         |
| 36      | 5140.32            | PK       | 48.24                    | -50.65         | 32.11               | 29.7             | 74       | Pass    |
| 36      | 5032.68            | AV       | 35.15                    | -50.65         | 32.11               | 16.61            | 54       | Pass    |
| 48      | 5379.46            | PK       | 44.88                    | -50.65         | 32.11               | 26.34            | 74       | Pass    |
| 48      | 5366.04            | AV       | 34.75                    | -50.65         | 32.11               | 16.21            | 54       | Pass    |

[illegible]

(Channel = 36 PEAK @ 802.11n 20MHz)



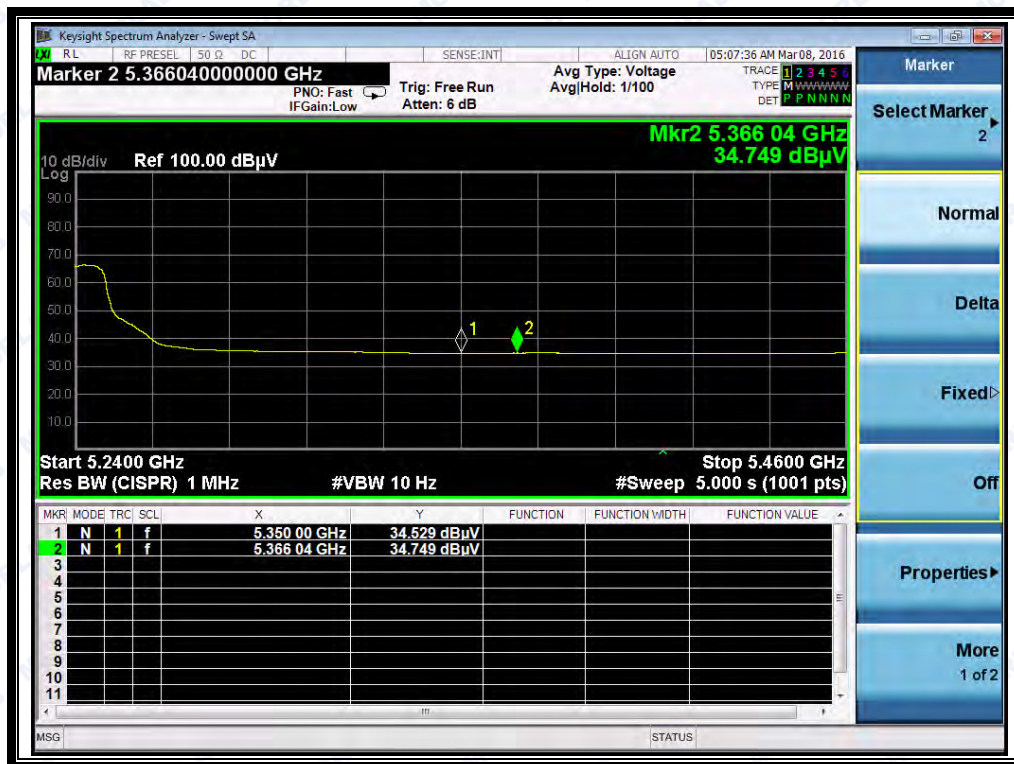
REPORT No.: SZ16020033W12



(Channel = 36 AVG @ 802.11n 20MHz)



(Channel = 48 PEAK @ 802.11n 20MHz)



(Channel = 48 AVG @ 802.11n 20MHz)

### 2.5.3.5 802.11n-40MHz MIMO Test mode

The lowest and highest channels are tested to verify the band edge emissions.

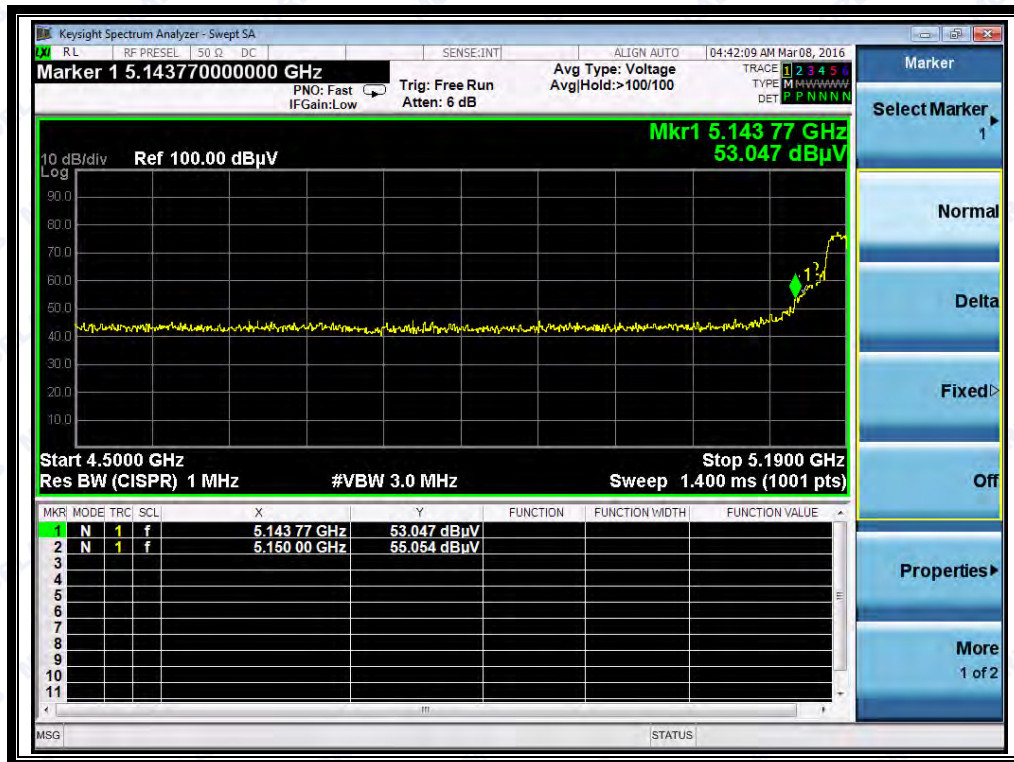
#### A. Test Verdict:

| 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      | 5143.77         | PK       | 53.05                               | -50.65        | 32.11                   | 34.51                            | 74                | Pass    |
| 38      | 5123.07         | AV       | 38.21                               | -50.65        | 32.11                   | 19.67                            | 54                | Pass    |
| 46      | 5359.88         | PK       | 45.37                               | -50.65        | 32.11                   | 26.83                            | 74                | Pass    |
| 46      | 5357.02         | AV       | 34.66                               | -50.65        | 32.11                   | 16.12                            | 54                | Pass    |

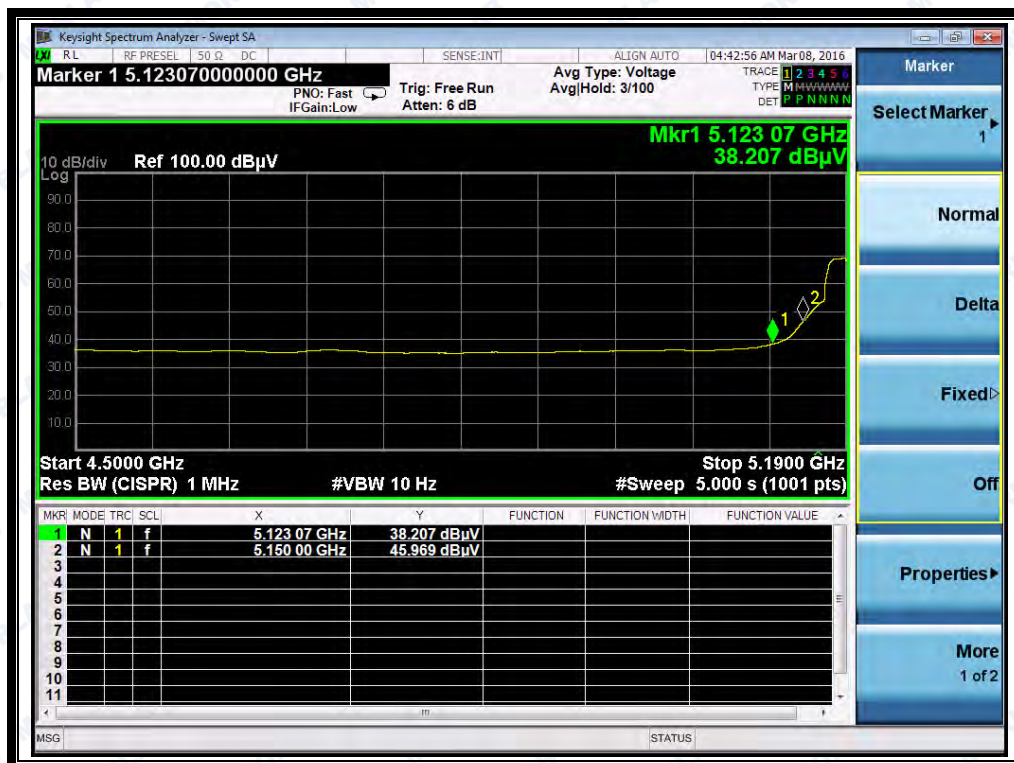
#### B. Test Plots:



REPORT No.: SZ16020033W12



(Channel = 38 PEAK @ 802.11n 40MHz)



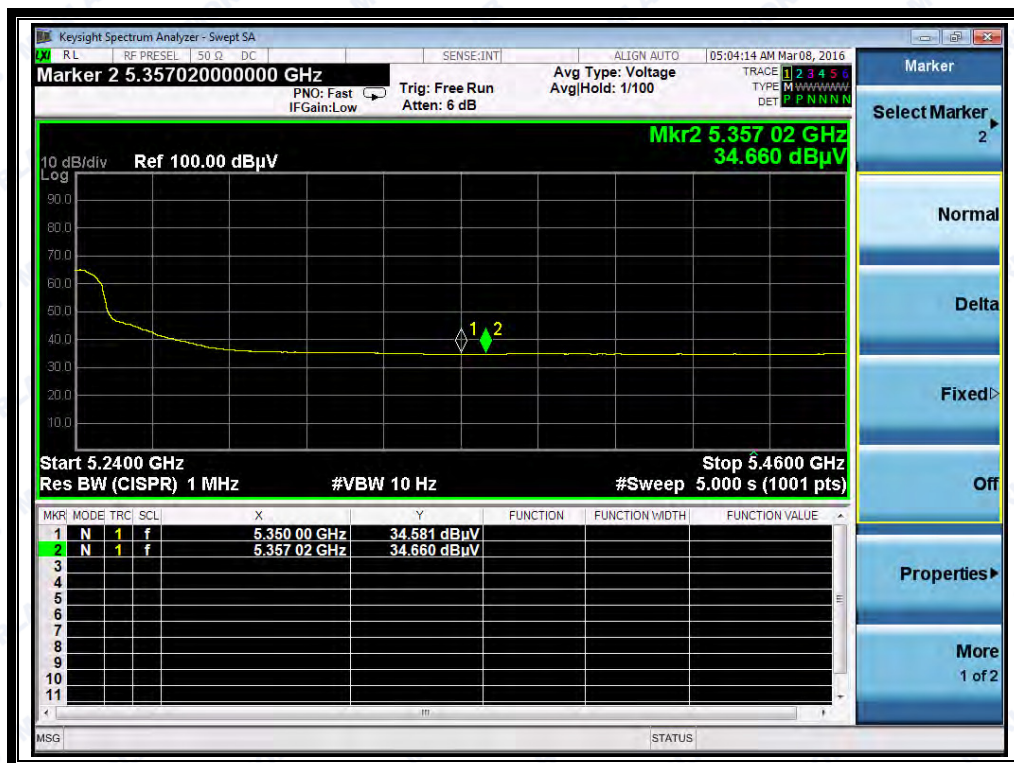
(Channel = 38 AVG @ 802.11n 40MHz)



REPORT No.: SZ16020033W12



(Channel = 46 PEAK @ 802.11n 40MHz)



(Channel = 46 AVG @ 802.11n 40MHz)

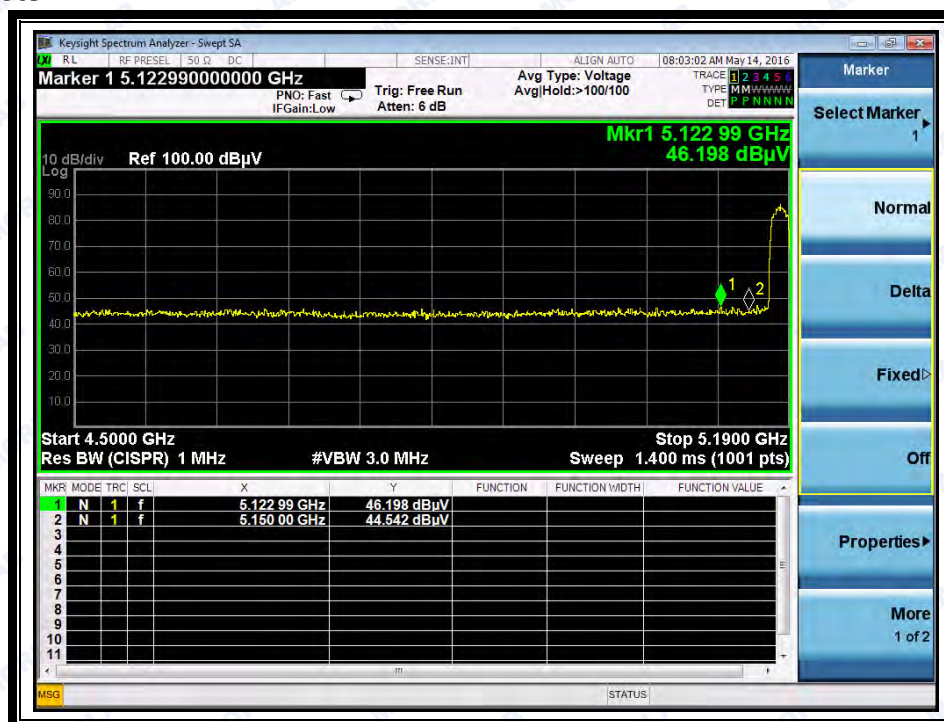
**2.5.3.6 802.11a SISO Test mode (Antenna 2)**

The lowest and highest channels are tested to verify the band edge emissions.

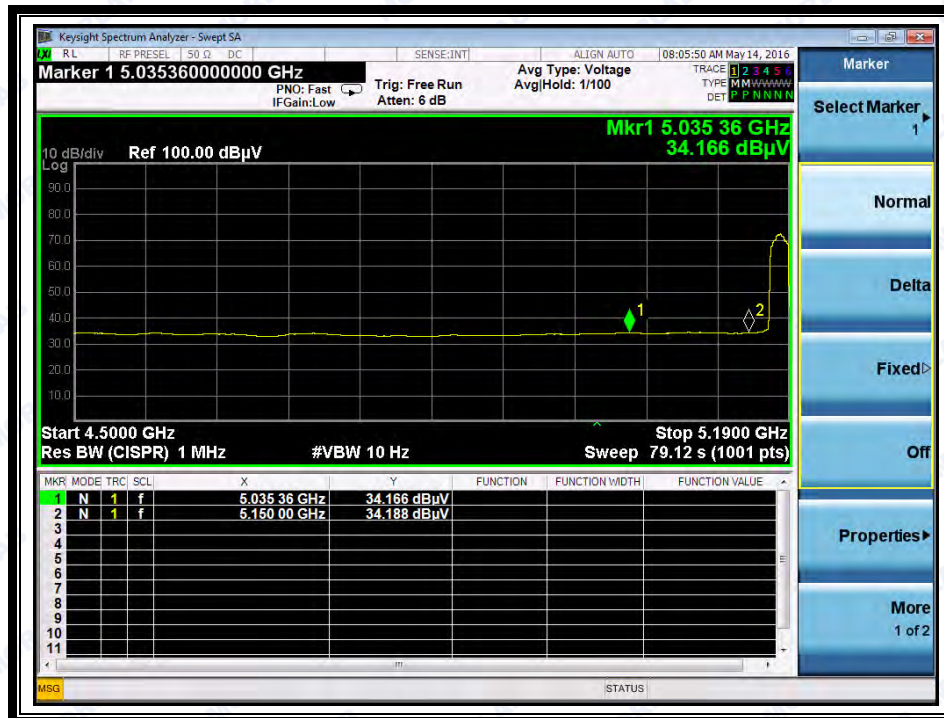
Note: The restricted frequency bands of three antennas were tested, and only the worst case was recorded in the report.

**A. Test Verdict:**

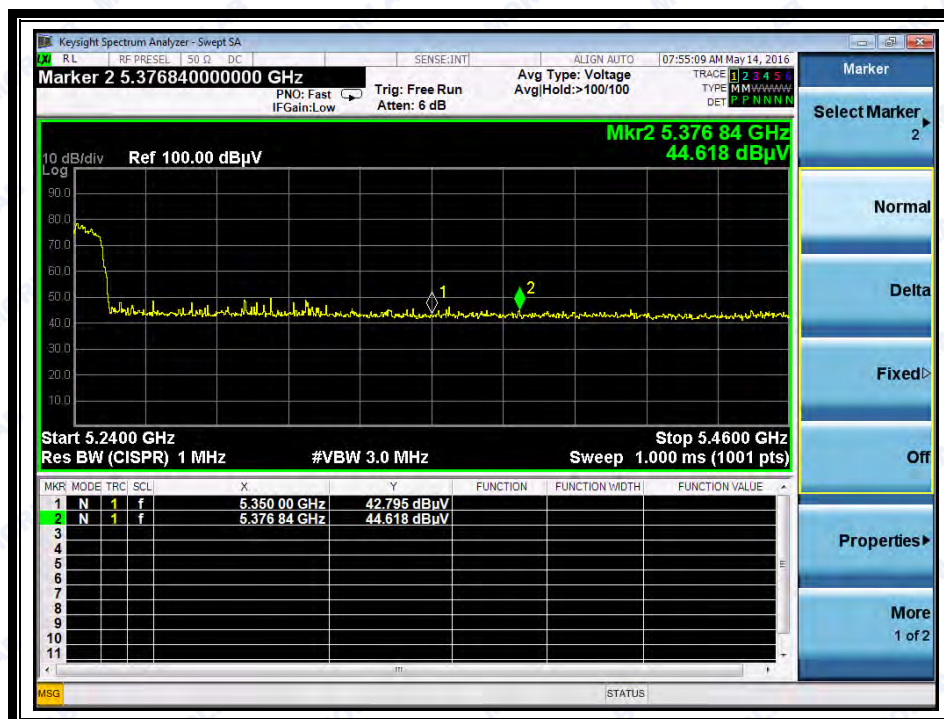
| Channel | Frequency (MHz) | Detector | Receiver Reading<br>$U_R$<br>(dB $\mu$ V) | $A_T$<br>(dB) | $A_{Factor}$<br>(dB@3m) | Max. Emission<br>$E$<br>(dB $\mu$ V/m) | Limit<br>(dB $\mu$ V/m) | Verdict |
|---------|-----------------|----------|-------------------------------------------|---------------|-------------------------|----------------------------------------|-------------------------|---------|
|         |                 | PK/ AV   |                                           |               |                         |                                        |                         |         |
| 36      | 5122.99         | PK       | 46.20                                     | -50.65        | 32.11                   | 27.99                                  | 74                      | Pass    |
| 36      | 5035.36         | AV       | 34.17                                     | -50.65        | 32.11                   | 15.63                                  | 54                      | Pass    |
| 48      | 5376.84         | PK       | 44.62                                     | -50.65        | 32.11                   | 26.08                                  | 74                      | Pass    |
| 48      | 5361.44         | AV       | 32.74                                     | -50.65        | 32.11                   | 14.20                                  | 54                      | Pass    |

**B. Test Plots:**

(Channel = 36 PEAK @ 802.11a)



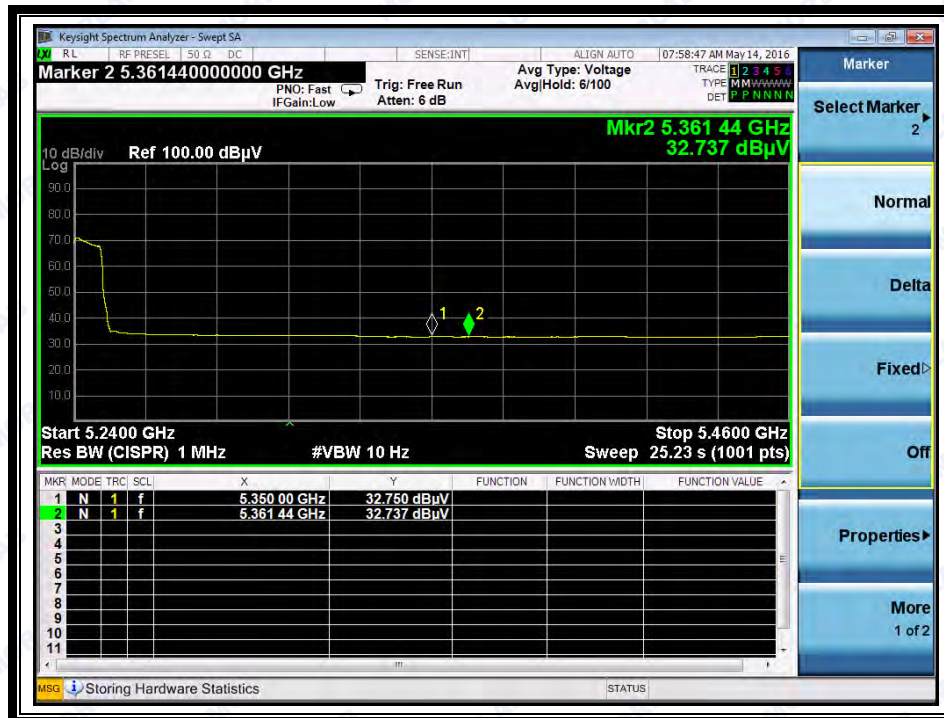
(Channel = 36 AVG @ 802.11a)



(Channel = 48 PEAK @ 802.11a)



REPORT No.: SZ16020033W12



(Channel = 48 AVG @ 802.11a)



## 2.6 Frequency Stability

### 2.6.1 Requirement

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

### 2.6.2 Test Procedure

The EUT was placed inside of an environmental chamber as the temperature in the chamber was varied between -30°C and +50°C. The temperature was incremented by 10° intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded. Data for the worst case channel is shown below.

### 2.6.3 Test Result

Frequency Stability Measurements for UNII Band 1 (Ch. 36)

| VOLTAGE (%) | POWER (Vac) | TEMP (°C) | FREQUENCY (Hz) | Freq Dev. (Hz) | Deviation (%) |
|-------------|-------------|-----------|----------------|----------------|---------------|
| 100%        | 120         | +20(Ref)  | 5,180,000,012  | 12             | 0.00000023    |
| 100%        |             | -30       | 5,180,000,009  | 9              | 0.00000017    |
| 100%        |             | -20       | 5,179,999,963  | -37            | -0.00000071   |
| 100%        |             | -10       | 5,180,000,033  | 33             | 0.00000064    |
| 100%        |             | 0         | 5,180,000,010  | 10             | 0.00000019    |
| 100%        |             | +10       | 5,179,999,991  | -9             | -0.00000017   |
| 100%        |             | +20       | 5,179,999,976  | -24            | -0.00000046   |
| 100%        |             | +30       | 5,179,999,982  | -18            | -0.00000035   |
| 100%        |             | +40       | 5,179,999,990  | -10            | -0.00000019   |
| 100%        |             | +50       | 5,180,000,031  | 31             | 0.00000060    |
| 85%         | 102         | +20       | 5,180,000,007  | 7              | 0.00000014    |
| 115%        | 138         | +20       | 5,180,000,018  | 18             | 0.00000035    |



## Frequency Stability Measurements for UNII Band 3 (Ch. 149)

| VOLTAGE (%) | POWER (Vac) | TEMP (°C) | FREQUENCY (Hz) | Freq Dev. (Hz) | Deviation (%) |
|-------------|-------------|-----------|----------------|----------------|---------------|
| 100%        | 120         | +20(Ref)  | 5,744,999,991  | -9             | -0.00000016   |
| 100%        |             | -30       | 5,744,999,988  | -12            | -0.00000021   |
| 100%        |             | -20       | 5,745,000,022  | 22             | 0.00000038    |
| 100%        |             | -10       | 5,745,000,008  | 8              | 0.00000014    |
| 100%        |             | 0         | 5,745,000,013  | 13             | 0.00000023    |
| 100%        |             | +10       | 5,744,999,977  | -23            | -0.00000040   |
| 100%        |             | +20       | 5,745,000,027  | 27             | 0.00000047    |
| 100%        |             | +30       | 5,745,000,011  | 11             | 0.00000019    |
| 100%        |             | +40       | 5,745,000,041  | 41             | 0.00000071    |
| 100%        |             | +50       | 5,745,000,016  | 16             | 0.00000028    |
| 85%         | 102         | +20       | 5,745,000,010  | 10             | 0.00000017    |
| 115%        | 138         | +20       | 5,744,999,982  | -18            | -0.00000031   |

**Note:** Based on the results of the frequency stability test shown above the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

## 2.7 Conducted Emission

### 2.7.1 Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 $\mu$ H/50 $\Omega$  line impedance stabilization network (LISN).

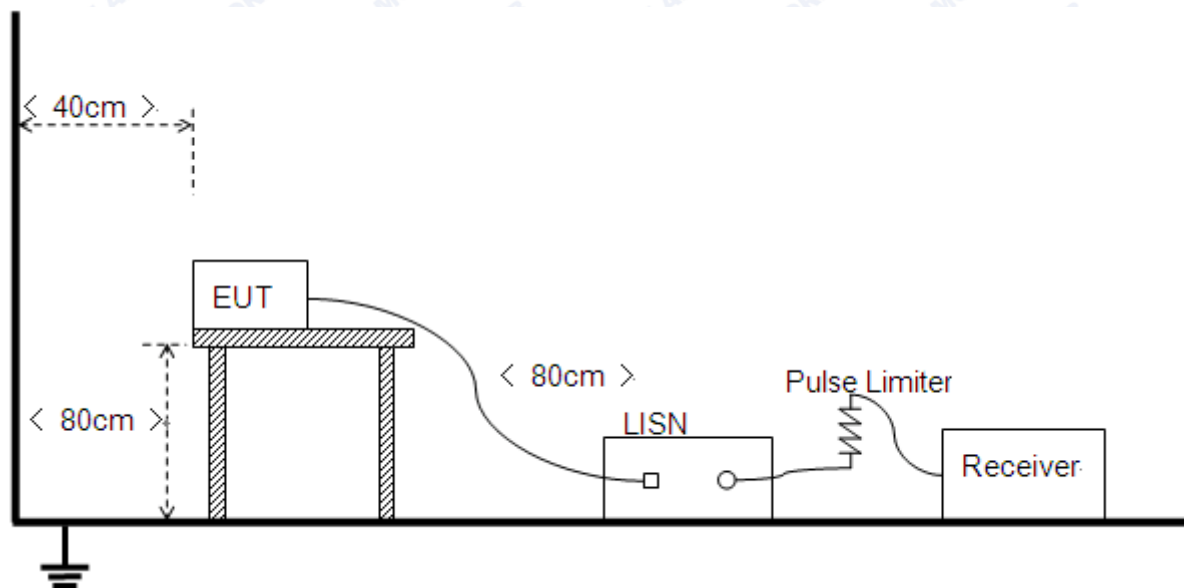
| Frequency range (MHz) | Conducted Limit (dB $\mu$ V) |          |
|-----------------------|------------------------------|----------|
|                       | Quai-peak                    | Average  |
| 0.15 - 0.50           | 66 to 56                     | 56 to 46 |
| 0.50 - 5              | 56                           | 46       |
| 5 - 30                | 60                           | 50       |

#### NOTE:

- The lower limit shall apply at the band edges.
- The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

### 2.7.2 Test Description

#### A. Test Setup:



The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013

The EUT is powered by Adapter which is powered by 120V, 60Hz AC mains supply. The factors of the site are calibrated to correct the reading. During the measurement, the EUT is activated and



controlled by the Wi-Fi Service Supplier (SS) via a Common Antenna.

### 2.7.3 Test Result

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. Refer to recorded points and plots below.

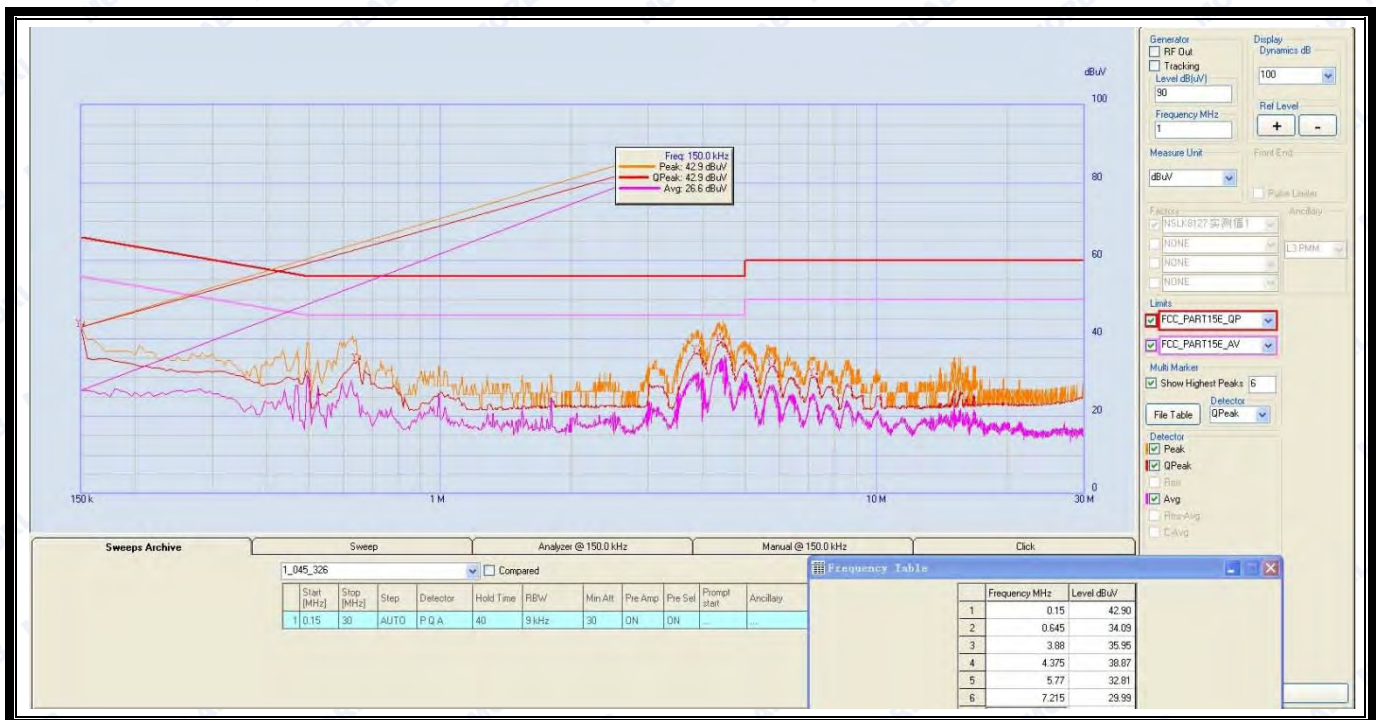
Note: All test modes are performed, only the worst case is recorded in this report.

#### A. Test setup:

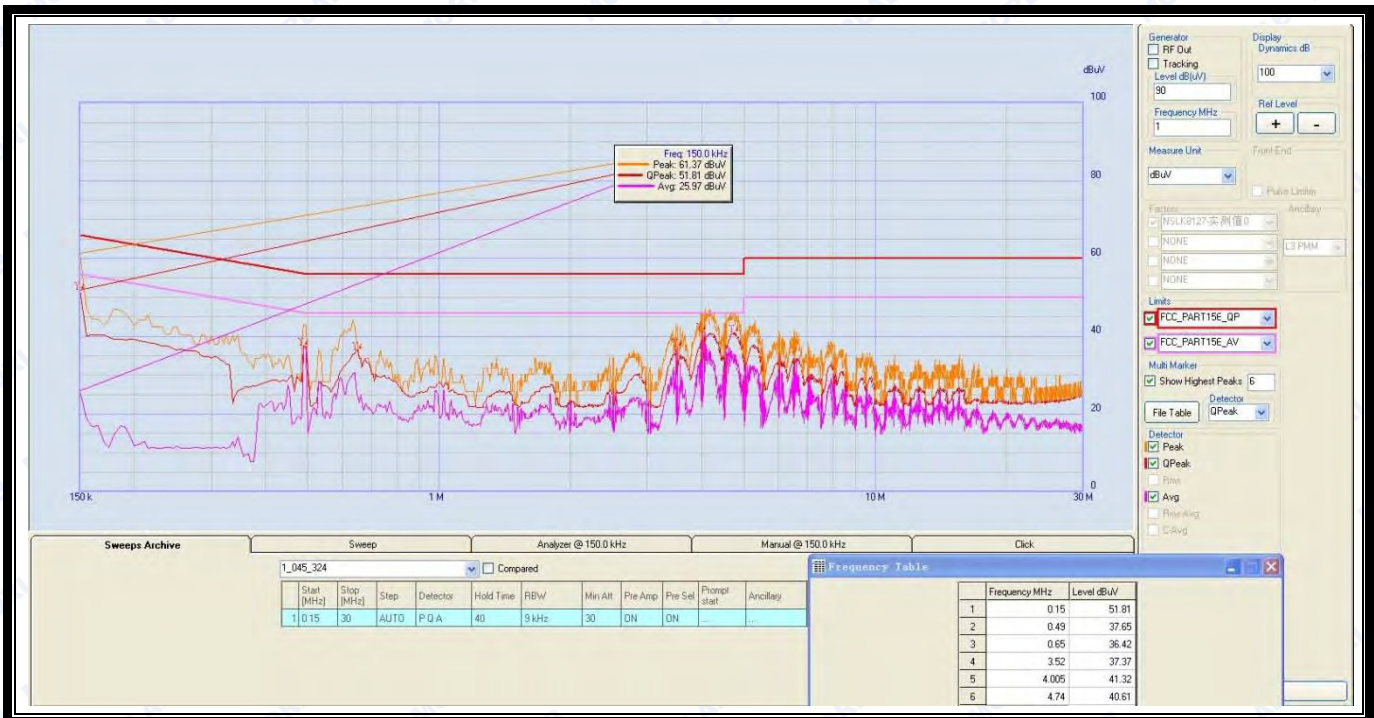
The EUT configuration of the emission tests is EUT + Link.

**Note:** The test voltage is AC 120V/60Hz.

#### B. Test Plots:



(Plot A: L Phase)



(Plot B: N Phase)



## 2.8 Radiated Emission

### 2.8.1 Requirement

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

(1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.

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

The following formula is used to convert the equipment isotropic radiated power(eirp) to field strength (dBμV/m);

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

where P is the EIRP in Watts

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

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (μV/m) | Measurement Distance (m) |
|-----------------|-----------------------|--------------------------|
| 0.009 - 0.490   | 2400/F(kHz)           | 300                      |
| 0.490 - 1.705   | 24000/F(kHz)          | 30                       |
| 1.705 - 30.0    | 30                    | 30                       |
| 30 - 88         | 100                   | 3                        |
| 88 - 216        | 150                   | 3                        |
| 216 - 960       | 200                   | 3                        |
| Above 960       | 500                   | 3                        |

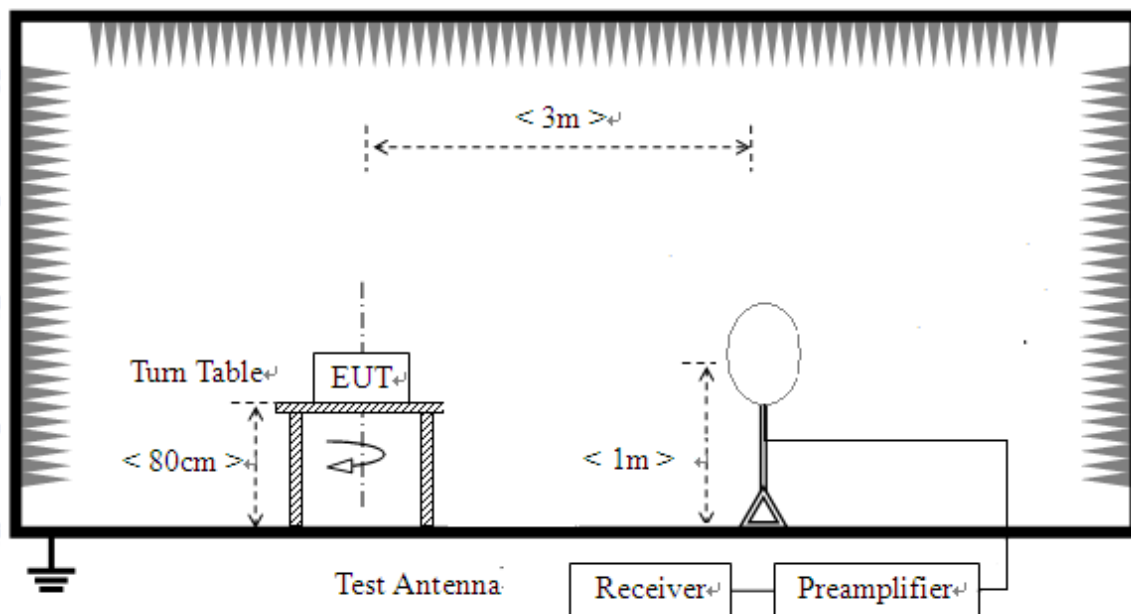
Note: For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).

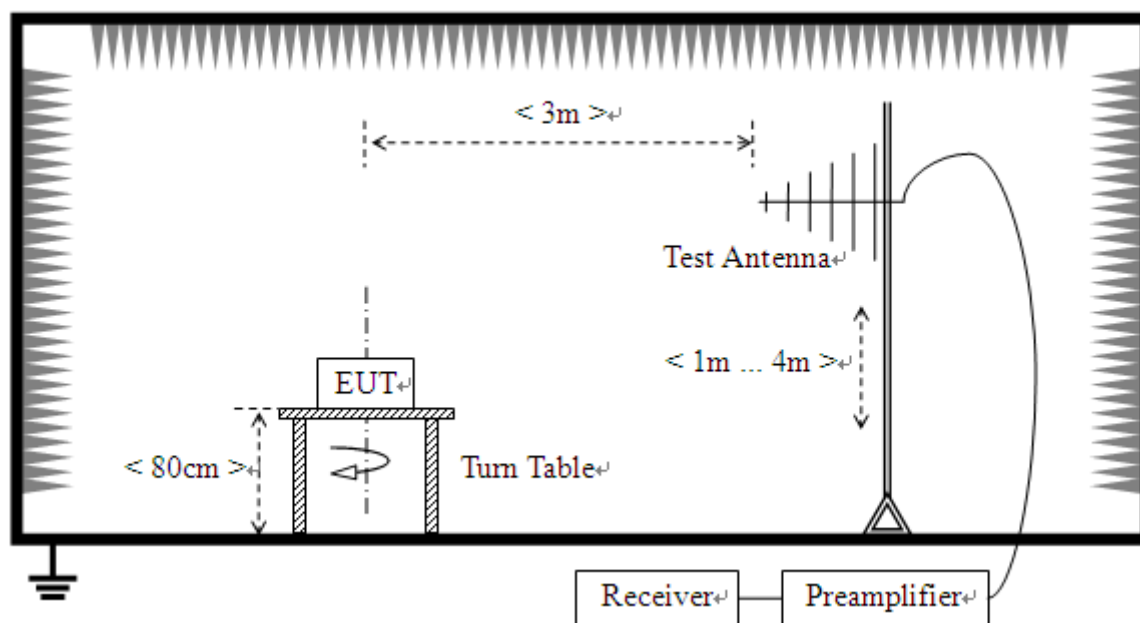
## 2.8.2 Test Description

### A. Test Setup:

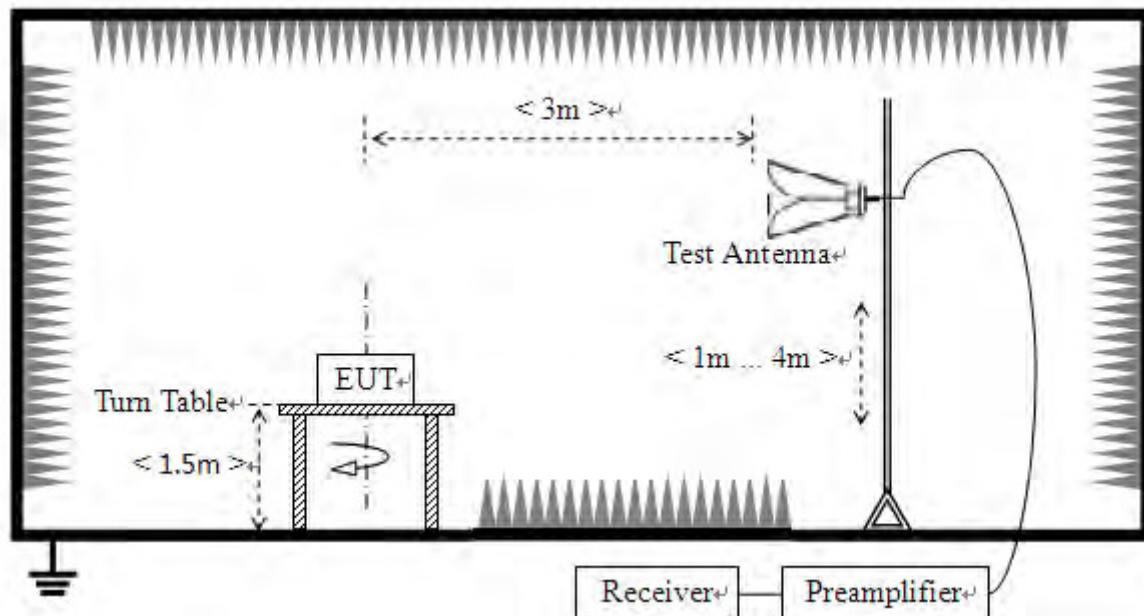
- 1) For radiated emissions from 9kHz to 30MHz



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



### 3) For radiated emissions above 1GHz



The test site semi-anechoic chamber has met the requirement of NSA tolerance 4dB according to the standards: ANSI C63.10 (2013). For radiated emissions below or equal to 1GHz, the EUT was set-up on insulator 80cm above the Ground Plane, for radiated emissions above 1GHz, The EUT was set-up on insulator 150cm above the Ground Plane. The set-up and test methods were according to ANSI C63.10.

The EUT is powered by Adapter which is powered by 120V, 60Hz AC mains supply. The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading. During the measurement, the EUT is activated and controlled by dedicated software via a computer, and is set to operate under test mode.

For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.



For the Test Antenna:

- (a) In the frequency range of 9kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
- (b) In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 2GHz) and Horn Test Antenna (above 2GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested.

### 2.8.3 Test Result

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

The measurement results are obtained as below:

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

$A_T$ : Total correction Factor except Antenna

$U_R$ : Receiver Reading

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

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

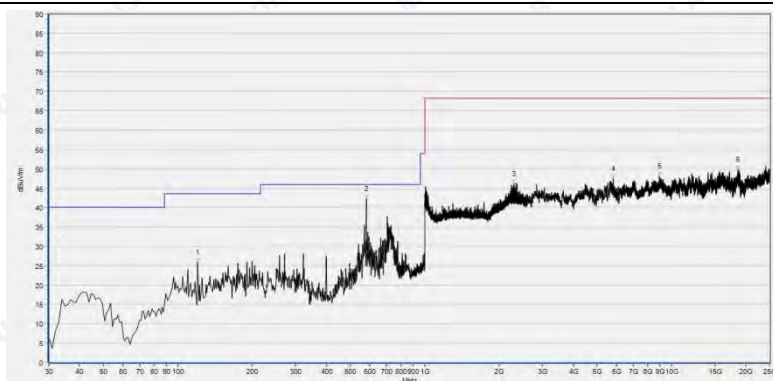
During the test, the total correction Factor  $A_T$  and  $A_{\text{Factor}}$  were built in test software.

**Note:** 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.

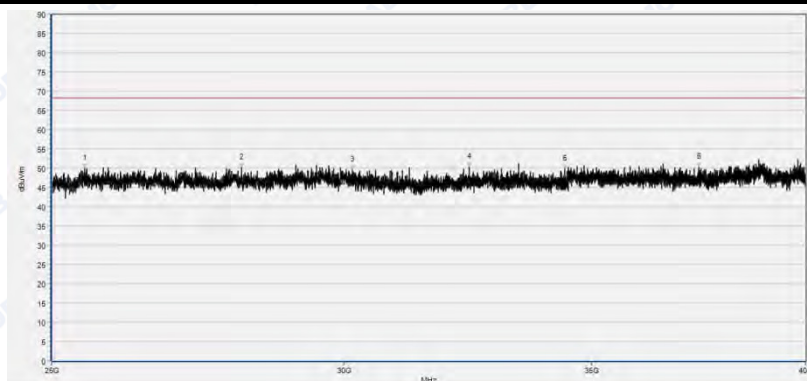
The low frequency, which started from 9KHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

**2.8.3.1 802.11ac-20MHz MIMO Test mode****A. Test Plots for the Whole Measurement Frequency Range:**

Plots for Channel = 36



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 120.300   | 25.83 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 579.570   | 42.26 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2294.298  | 46.01 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 5799.360  | 47.36 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 8944.949  | 48.02 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 18583.357 | 49.80 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

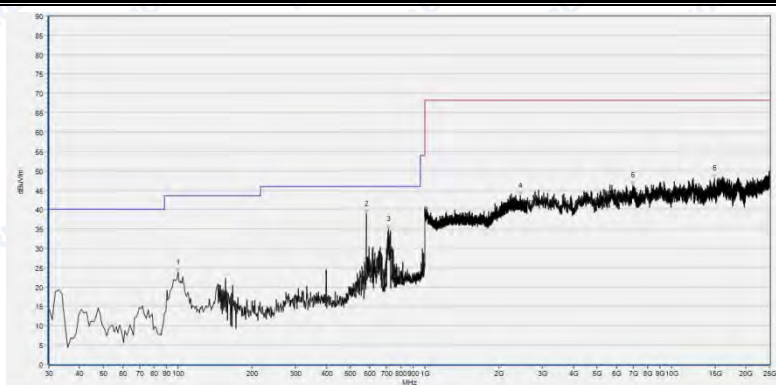


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 25519.440 | 50.09 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 28144.768 | 50.10 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 30153.144 | 49.59 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 32437.180 | 50.33 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 34428.679 | 49.77 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 37419.677 | 50.29 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

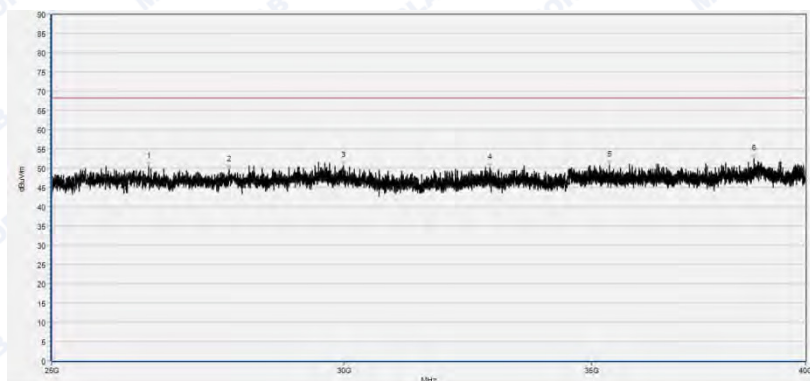
(Antenna Horizontal, 30MHz to 40GHz)



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| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 99.910    | 23.86 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 579.570   | 38.81 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 714.535   | 34.96 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2442.614  | 43.53 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 6982.316  | 46.18 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 14926.945 | 48.08 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

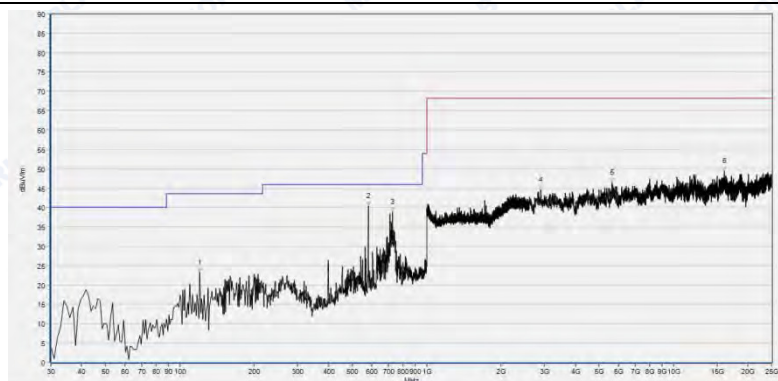


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26554.569 | 50.59 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 27927.241 | 49.65 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29988.124 | 50.77 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32851.606 | 50.24 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 35390.674 | 50.95 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38741.718 | 52.56 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

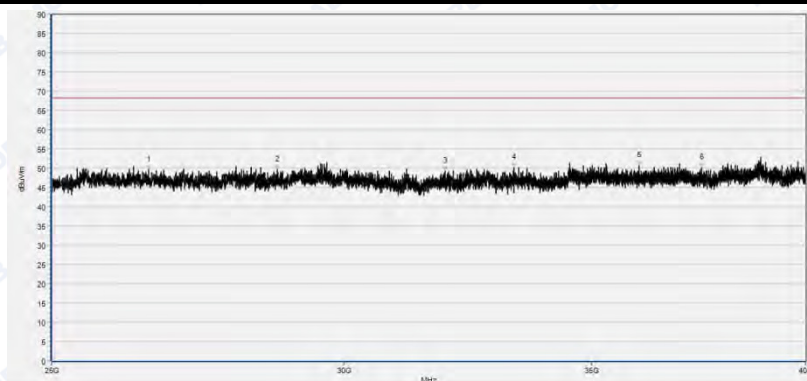
(Antenna Vertical, 30MHz to 40GHz)



## Plot for Channel = 44



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 120.300   | 23.25 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 579.570   | 40.42 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 726.186   | 38.87 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2900.220  | 44.54 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 5638.048  | 46.44 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 16024.765 | 49.47 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26560.195 | 49.60 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 28774.847 | 49.69 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 31953.369 | 49.31 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 33348.544 | 50.22 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 36060.133 | 50.68 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 37494.687 | 50.09 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

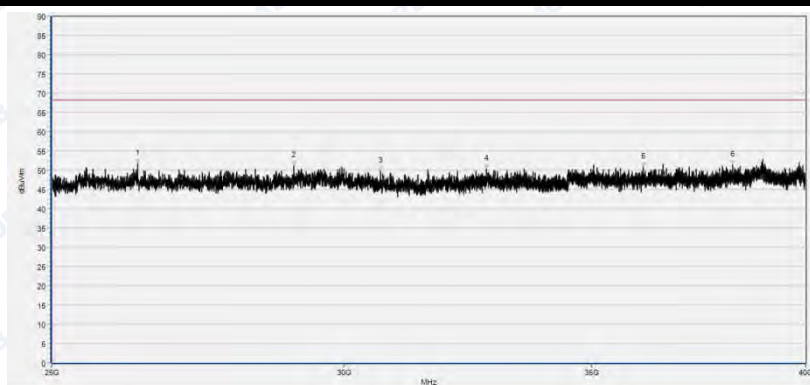
(Antenna Horizontal, 30MHz to 25GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 146.517   | 23.49 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 579.570   | 33.89 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 727.157   | 30.02 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2292.164  | 44.99 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 5351.270  | 46.59 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 12265.293 | 48.21 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

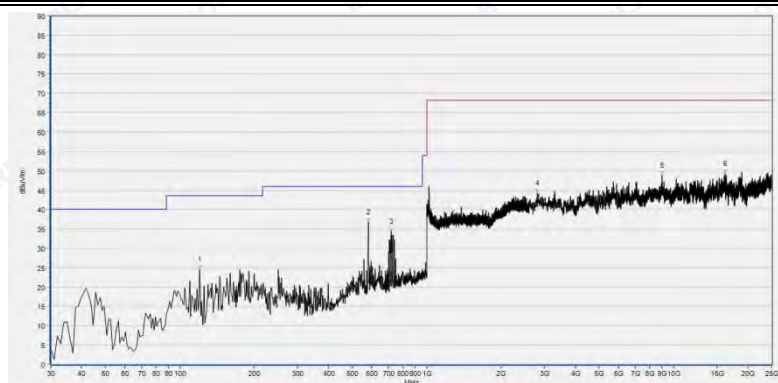


| Fre. (MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|------------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26376.422  | 51.77 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29073.009  | 51.22 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 30691.336  | 49.75 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32784.098  | 50.38 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 36146.393  | 50.83 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38229.779  | 51.45 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

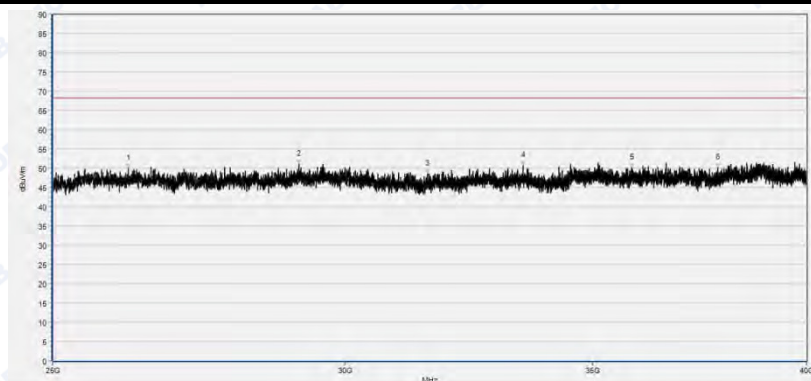
(Antenna Vertical, 30MHz to 40GHz)



## Plot for Channel = 48



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 120.300   | 24.53 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 579.570   | 36.63 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 719.389   | 34.38 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2801.640  | 44.29 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 8958.392  | 48.73 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 16199.520 | 49.27 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

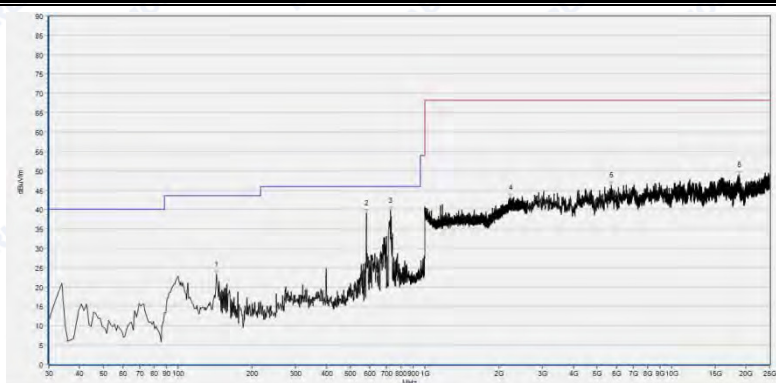


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26202.025 | 49.92 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29148.019 | 51.04 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 31578.322 | 48.57 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 33515.439 | 50.70 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 35874.484 | 50.15 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 37847.231 | 50.09 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

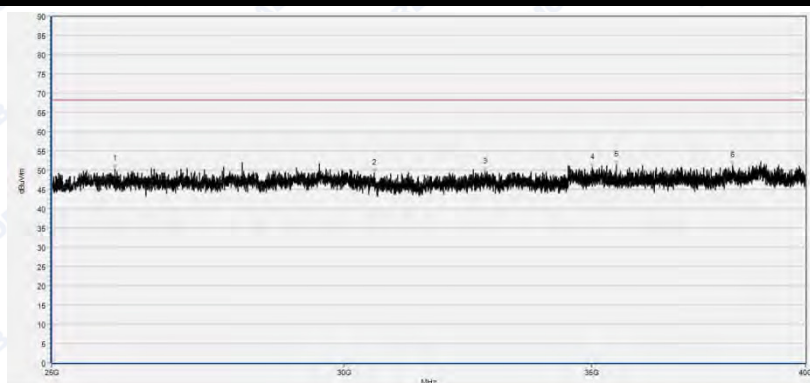
(Antenna Horizontal, 30MHz to 40GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 143.604   | 23.26 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 579.570   | 39.11 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 728.128   | 39.70 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2234.011  | 43.08 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 5714.223  | 46.26 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 18825.325 | 48.87 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26003.250 | 50.28 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 30571.321 | 49.27 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32757.845 | 49.59 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 35021.253 | 50.72 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 35550.069 | 51.37 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38227.903 | 51.21 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

(Antenna Vertical, 30MHz to 40GHz)



## Plots for Channel = 149

| Channel | Frequency (MHz) | Antenna       | Receiver Reading<br>$U_R$ (dB $\mu$ V) | $A_T$ (dB) | $A_{Factor}$ (dB@3m) | Max. Emission<br>$E$ (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Verdict | Detector |
|---------|-----------------|---------------|----------------------------------------|------------|----------------------|-------------------------------------|----------------------|---------|----------|
|         |                 | Horiz./ Vert. |                                        |            |                      |                                     |                      |         | Type     |
| 149     | 5715.00         | Horizontal    | 55.78                                  | -50.65     | 32.11                | 37.24                               | 78.2                 | Pass    | Peak     |
| 149     | 5715.00         | Vertical      | 47.19                                  | -50.65     | 32.11                | 28.65                               | 78.2                 | Pass    |          |



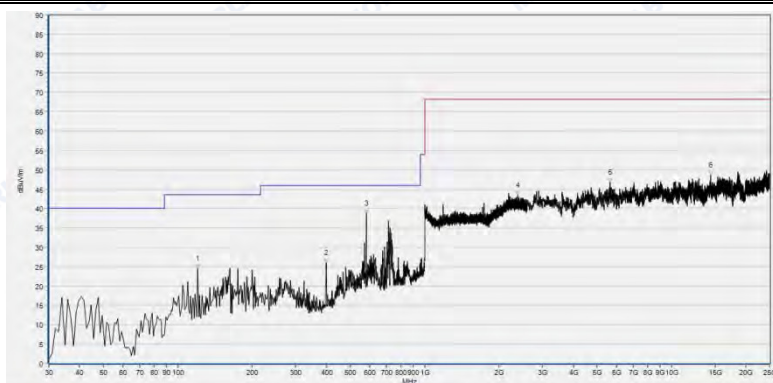
(Channel = 149 Horizontal @ 802.11ac)



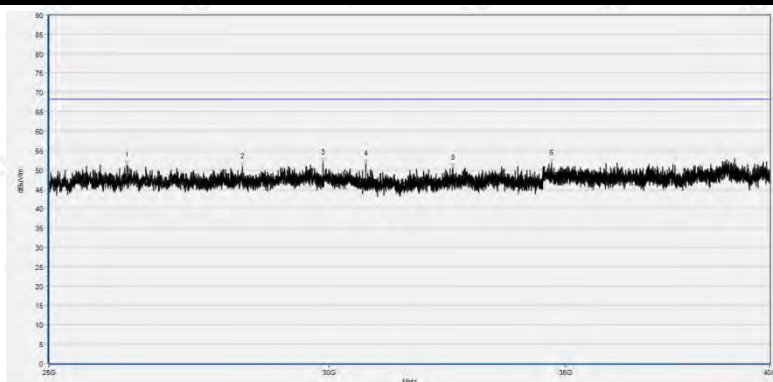
(Channel = 149 Vertical @ 802.11ac)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 120.300   | 24.41 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 397.998   | 26.03 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 579.570   | 38.65 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2384.995  | 43.36 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 5629.086  | 46.75 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 14416.123 | 48.54 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26307.038 | 51.28 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 28364.171 | 50.93 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29896.237 | 51.89 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 30741.968 | 51.70 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 32536.567 | 50.68 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 34691.211 | 51.86 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

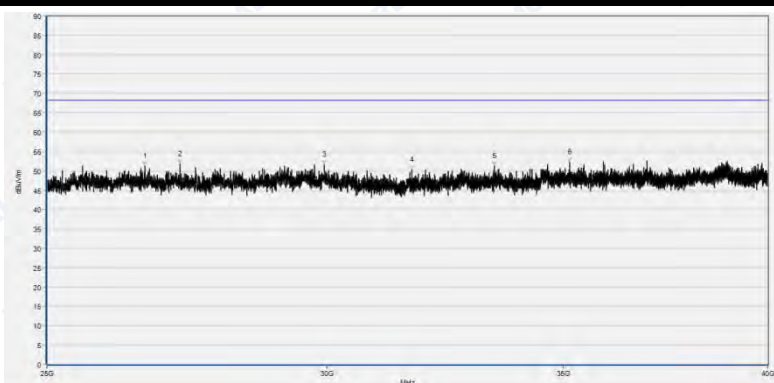
(Antenna Horizontal, 30MHz to 40GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 98.939    | 23.60 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 579.570   | 38.34 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 722.302   | 37.27 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2864.373  | 44.76 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 8994.239  | 48.27 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 15890.338 | 48.53 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

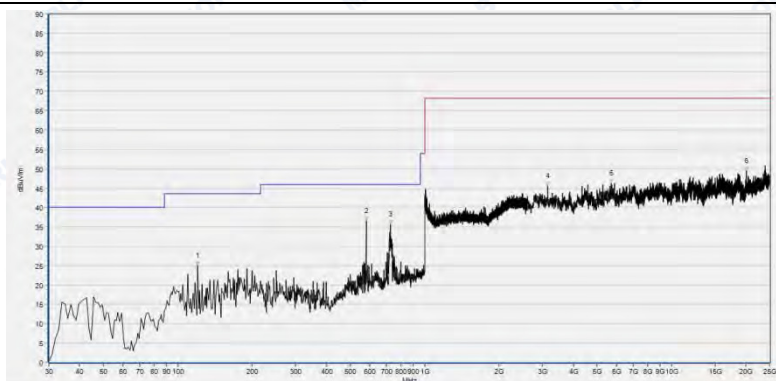


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26655.832 | 51.23 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 27265.283 | 51.83 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29959.995 | 51.61 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 31717.090 | 50.26 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 33474.184 | 51.23 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 35152.519 | 52.24 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

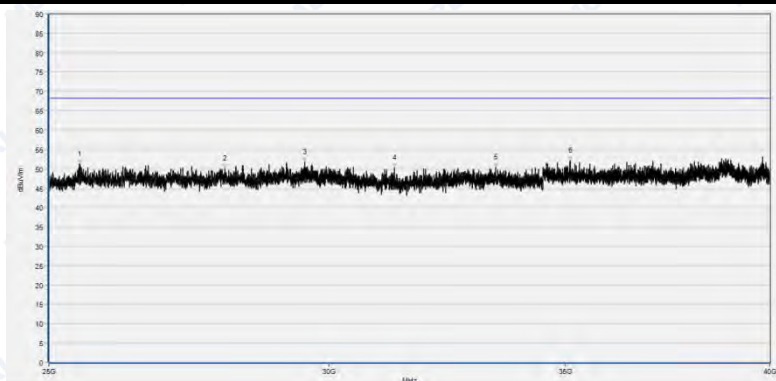
(Antenna Vertical, 30MHz to 40GHz)



Plot for Channel = 157



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 120.300   | 24.99 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 579.570   | 36.47 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 725.215   | 35.72 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 3155.631  | 45.54 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 5709.742  | 46.22 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 20142.709 | 49.43 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

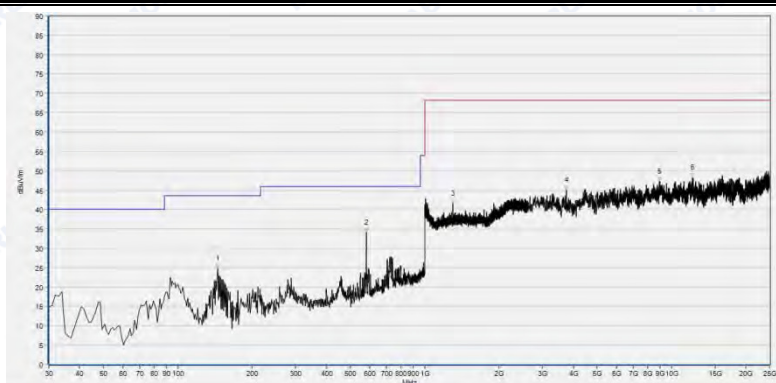


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 25502.563 | 51.21 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 28045.381 | 50.09 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29541.818 | 51.78 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 31319.540 | 50.30 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 33459.182 | 50.48 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 35124.391 | 52.12 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

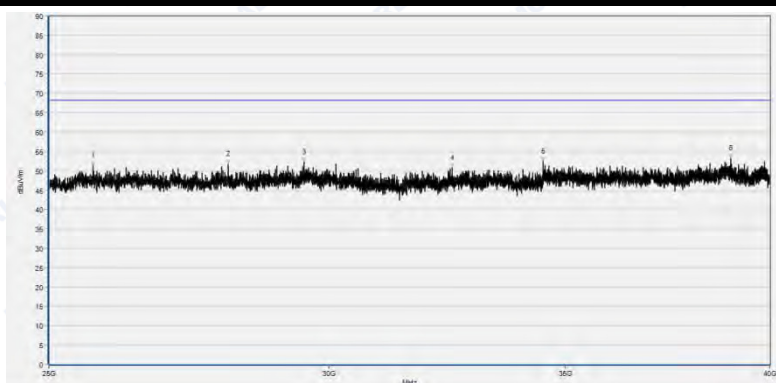
(Antenna Horizontal, 30MHz to 25GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 144.575   | 24.86 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 579.570   | 33.99 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 1300.367  | 41.50 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 3742.629  | 45.12 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 8944.949  | 47.30 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 12162.232 | 48.28 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 25727.591 | 51.37 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 28103.513 | 51.76 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29521.190 | 52.29 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32514.064 | 50.71 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 34499.937 | 52.54 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38996.750 | 53.24 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

(Antenna Vertical, 30MHz to 25GHz)



Plot for Channel = 165

| Channel | Frequency (MHz) | Antenna       | Receiver Reading | $A_T$ (dB) | $A_{Factor}$ (dB@3m) | Max. Emission E (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Verdict | Detector |
|---------|-----------------|---------------|------------------|------------|----------------------|--------------------------------|----------------------|---------|----------|
|         |                 | Horiz./ Vert. | $U_R$ (dBuV)     |            |                      |                                |                      |         | Type     |
| 165     | 5860.00         | Horizontal    | 48.78            | -50.65     | 32.11                | 30.24                          | 78.2                 | Pass    | Peak     |
| 165     | 5860.00         | Vertical      | 39.00            | -50.65     | 32.11                | 20.46                          | 78.2                 | Pass    |          |



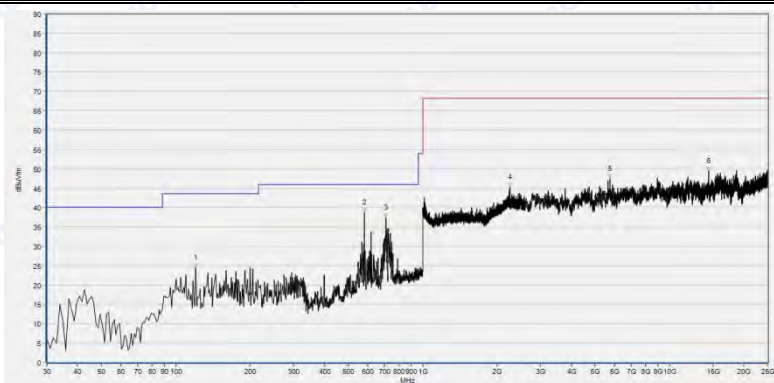
(Channel = 165 Horizontal @ 802.11ac)



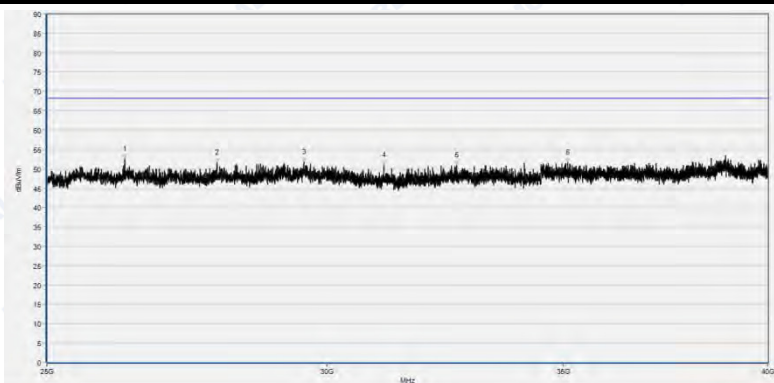
(Channel = 165 Vertical @ 802.11ac)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 120.300   | 24.51 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 579.570   | 38.64 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 708.709   | 37.35 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2252.151  | 45.22 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 5723.185  | 47.36 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 14402.681 | 49.49 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

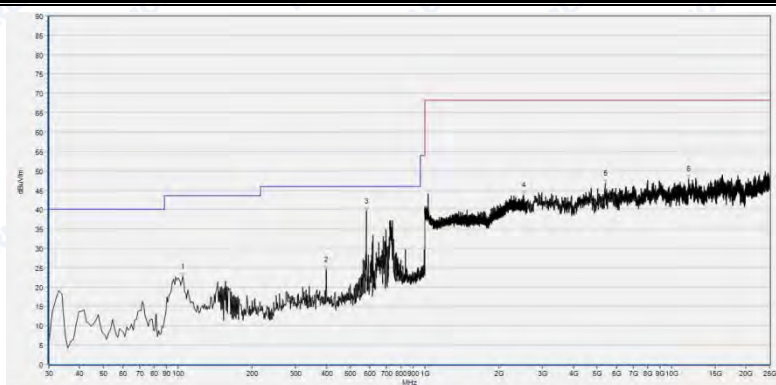


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26305.163 | 52.55 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 27936.617 | 51.65 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29560.570 | 51.78 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 31139.517 | 50.98 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 32658.457 | 51.01 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 35113.139 | 51.60 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

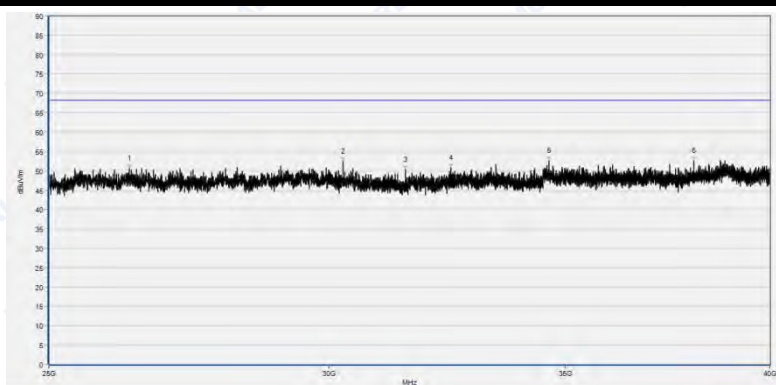
(Antenna Horizontal, 30MHz to 40GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 104.765   | 22.58 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 397.998   | 24.55 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 579.570   | 39.57 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2521.040  | 43.83 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 5382.637  | 46.72 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 11723.105 | 47.93 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

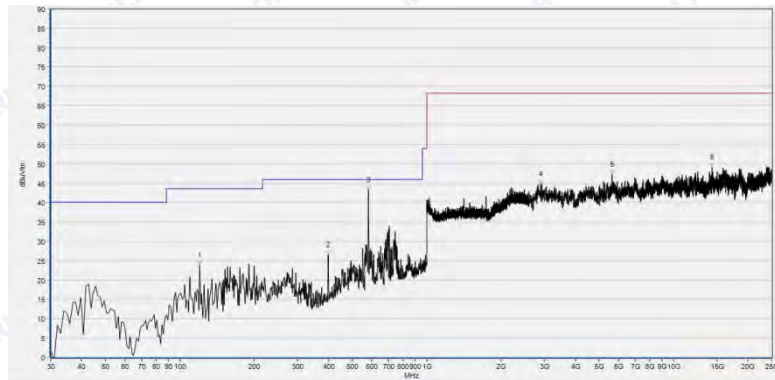


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26342.668 | 50.55 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 30288.161 | 52.44 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 31542.693 | 50.28 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32485.936 | 50.86 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 34636.830 | 52.59 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38072.259 | 52.68 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

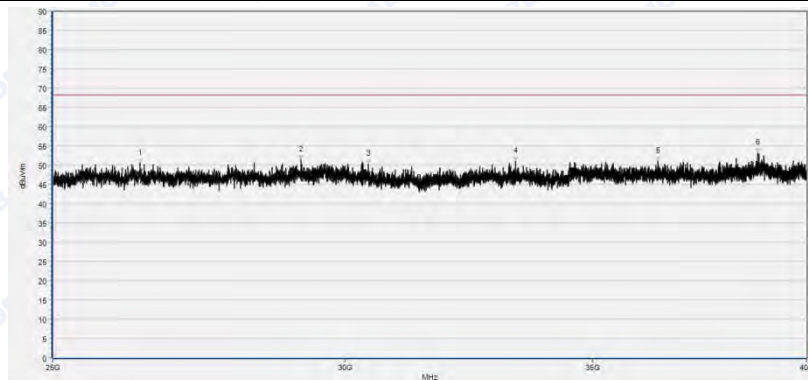
(Antenna Vertical, 30MHz to 40GHz)

**2.8.3.2 802.11n-20MHz MIMO Test mode****A. Test Plots for the Whole Measurement Frequency Range:**

Plots for Channel = 36



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 120.300   | 23.80 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 399.940   | 26.48 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 579.570   | 43.27 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2900.220  | 44.68 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 5624.605  | 47.29 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 14353.391 | 49.07 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

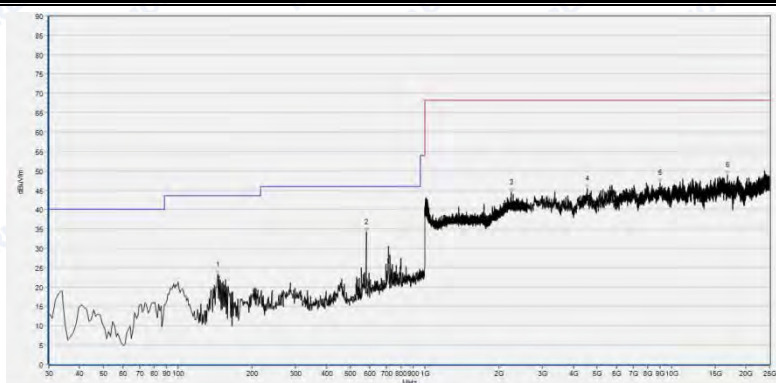


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26397.050 | 50.48 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29181.773 | 51.42 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 30441.930 | 50.33 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 33359.795 | 51.05 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 36459.557 | 51.09 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 38796.100 | 53.20 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

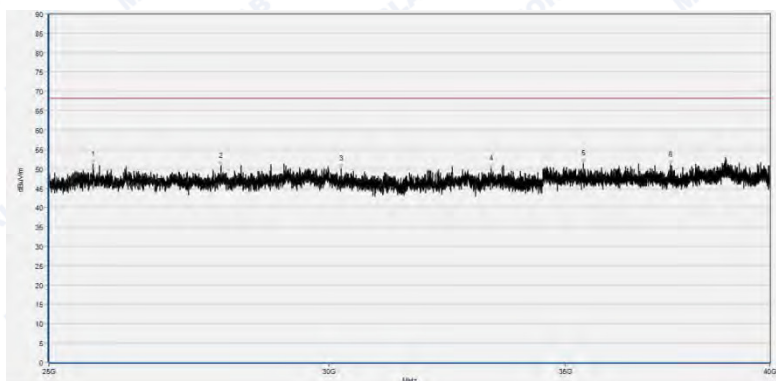
(Antenna Horizontal, 30MHz to 40GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 144.575   | 23.27 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 579.570   | 34.14 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2240.413  | 44.47 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 4553.671  | 45.43 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 8980.796  | 46.88 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 16813.403 | 48.94 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

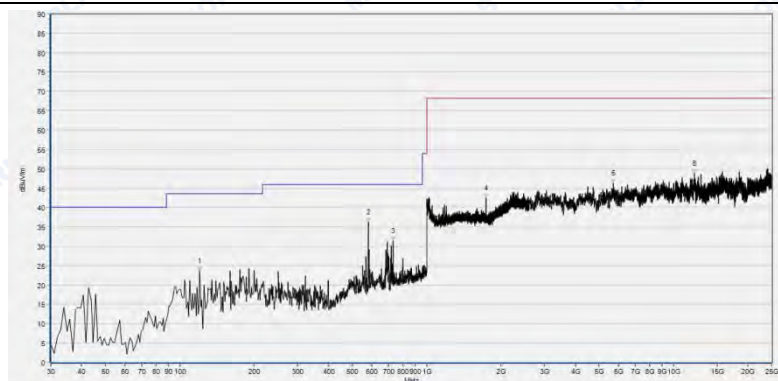


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 25729.466 | 51.23 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 27968.496 | 50.79 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 30243.155 | 50.19 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 33357.920 | 50.06 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 35424.428 | 51.40 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 37483.435 | 51.05 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

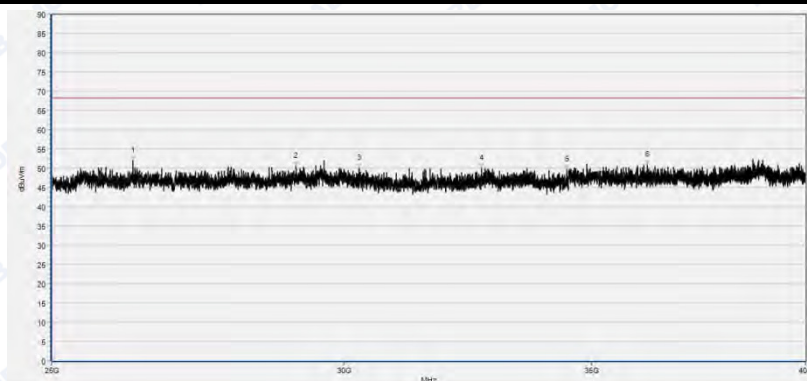
(Antenna Vertical, 30MHz to 40GHz)



Plot for Channel = 44



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 120.300   | 23.68 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 579.570   | 36.27 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 730.070   | 31.28 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 1740.514  | 42.33 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 5714.223  | 46.20 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 12153.271 | 48.76 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

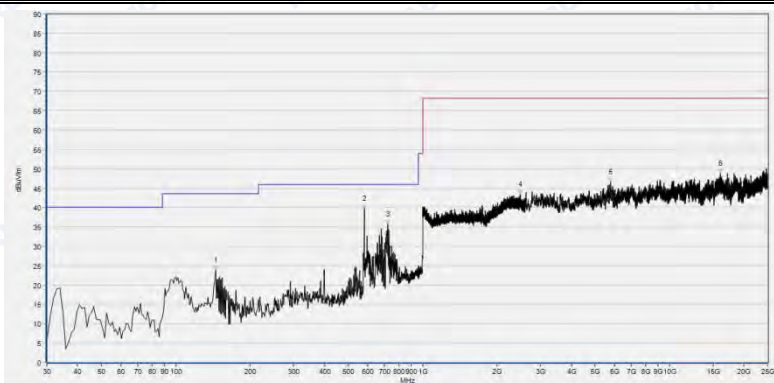


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26299.537 | 51.88 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29116.140 | 50.51 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 30276.910 | 49.98 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 32682.835 | 49.94 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 34466.183 | 49.65 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 36249.531 | 50.91 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

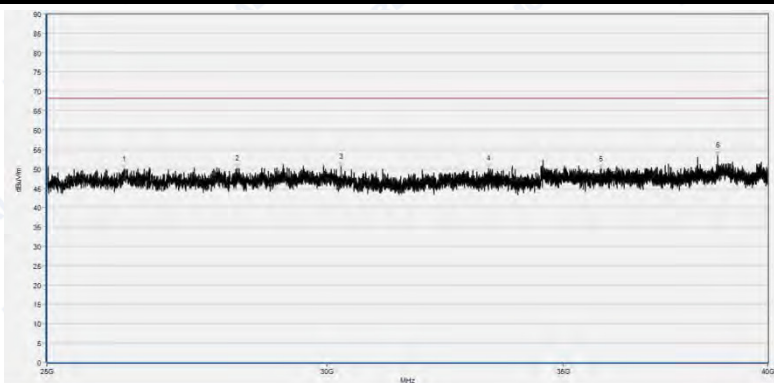
(Antenna Horizontal, 30MHz to 25GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 144.575   | 23.73 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 580.541   | 39.66 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 720.360   | 35.76 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2483.161  | 43.40 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 5785.917  | 46.61 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 16083.017 | 48.80 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

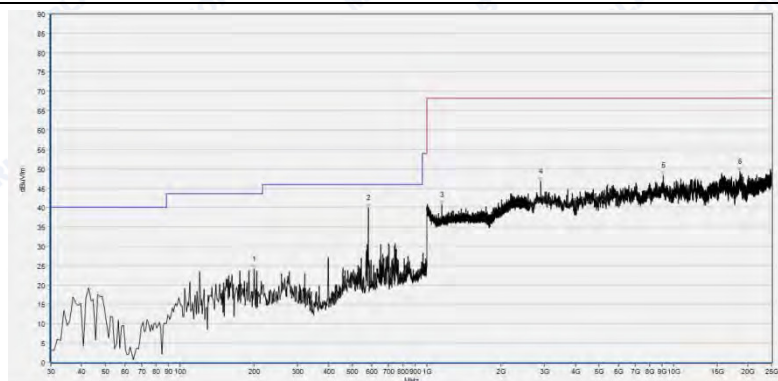


| Fre. (MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|------------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26286.411  | 49.93 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 28304.163  | 50.10 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 30284.411  | 50.61 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 33342.918  | 50.03 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 35881.985  | 49.95 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38715.464  | 53.38 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

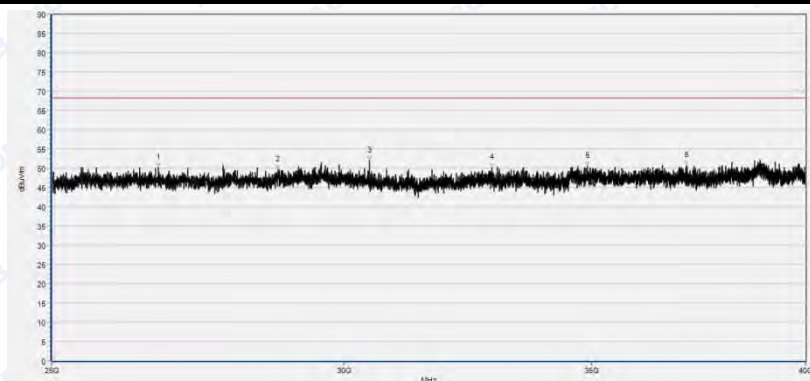
(Antenna Vertical, 30MHz to 40GHz)



## Plot for Channel = 48



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 199.920   | 24.21 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 579.570   | 39.92 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 1149.917  | 40.69 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 2900.220  | 46.79 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 9110.742  | 48.31 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 18574.395 | 49.25 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

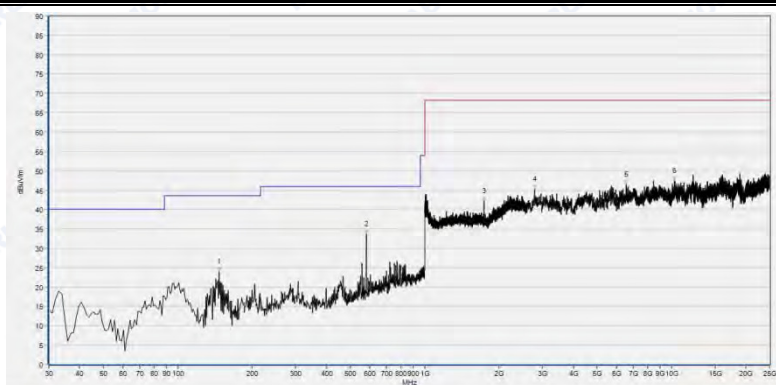


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26719.590 | 50.11 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 28789.849 | 49.71 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 30479.435 | 51.98 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 32889.111 | 50.13 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 34916.240 | 50.48 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 37138.392 | 50.77 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

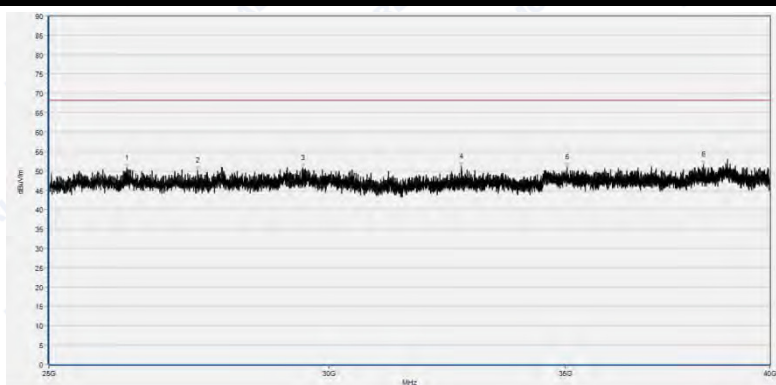
(Antenna Horizontal, 30MHz to 40GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 146.517   | 23.90 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 579.570   | 33.77 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 1740.514  | 42.29 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 2783.717  | 45.28 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 6565.593  | 46.37 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 10289.218 | 47.46 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26307.038 | 50.83 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 27546.568 | 50.12 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29506.188 | 50.74 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32710.964 | 51.12 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 35053.132 | 50.92 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38302.913 | 51.54 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

(Antenna Vertical, 30MHz to 40GHz)



Plots for Channel = 149

| Channel | Frequency (MHz) | Antenna       | Receiver Reading   | $A_T$ (dB) | $A_{Factor}$ (dB@3m) | Max. Emission E (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Verdict | Detector Type |
|---------|-----------------|---------------|--------------------|------------|----------------------|--------------------------------|----------------------|---------|---------------|
|         |                 | Horiz./ Vert. | $U_R$ (dB $\mu$ V) |            |                      |                                |                      |         |               |
| 149     | 5715.00         | Horizontal    | 45.80              | -50.65     | 32.11                | 27.26                          | 78.2                 | Pass    | Peak          |
| 149     | 5715.00         | Vertical      | 37.09              | -50.65     | 32.11                | 18.55                          | 78.2                 | Pass    |               |



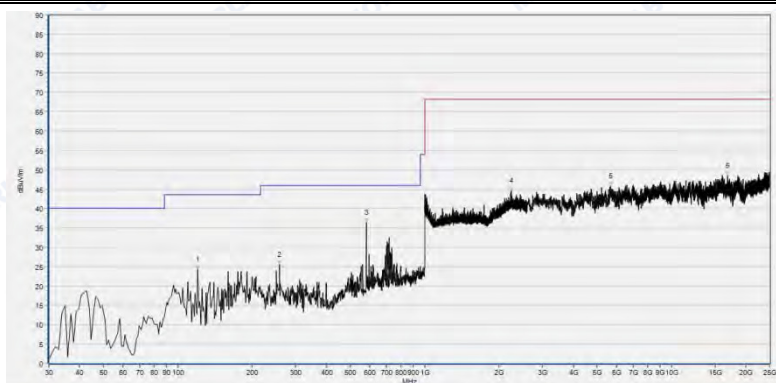
(Channel = 149 Horizontal @ 802.11n)



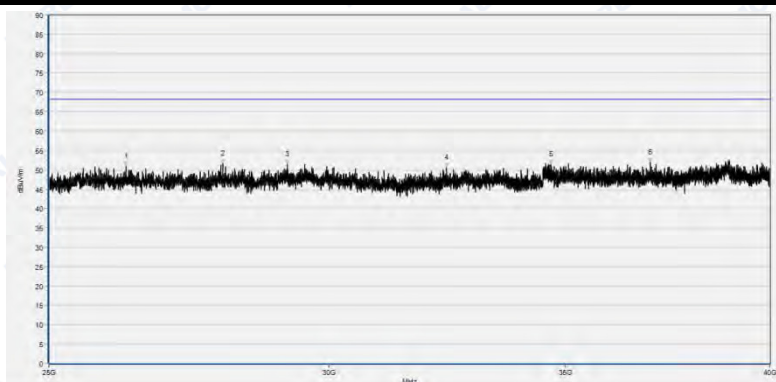
(Channel = 149 Vertical @ 802.11n)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 120.300   | 24.27 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 258.178   | 25.49 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 579.570   | 36.34 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2238.279  | 44.55 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 5651.490  | 45.75 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 16867.173 | 48.38 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

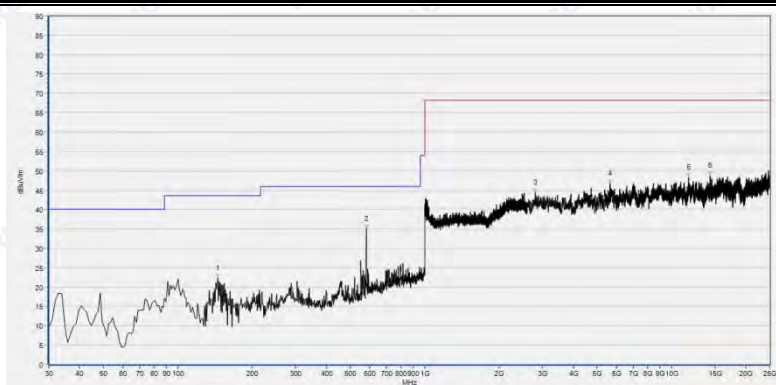


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26288.286 | 51.03 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 28000.375 | 51.65 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29208.026 | 51.52 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 32401.550 | 50.69 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 34676.210 | 51.46 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 36997.750 | 51.92 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

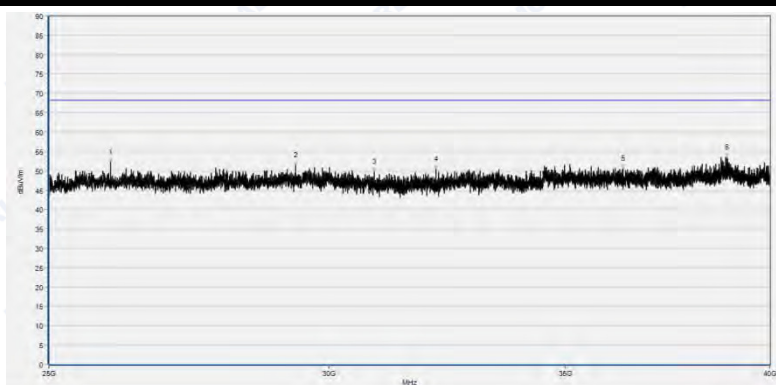
(Antenna Horizontal, 30MHz to 40GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 144.575   | 22.28 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 579.570   | 34.95 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2797.159  | 44.42 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 5629.086  | 46.72 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 11705.181 | 48.22 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 14344.429 | 48.72 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

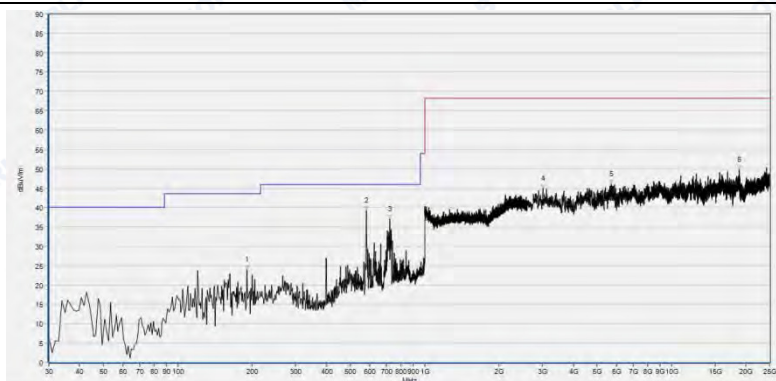


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26025.753 | 52.28 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29361.795 | 51.51 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 30910.739 | 49.84 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32178.397 | 50.48 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 36348.919 | 50.62 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38901.113 | 53.49 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

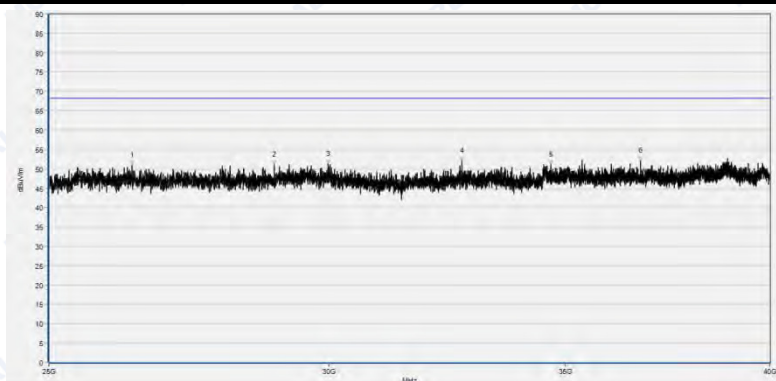
(Antenna Vertical, 30MHz to 40GHz)



Plot for Channel = 157



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 190.210   | 24.03 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 579.570   | 39.25 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 722.302   | 36.97 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 3012.242  | 44.95 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 5714.223  | 46.04 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 18829.806 | 49.81 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

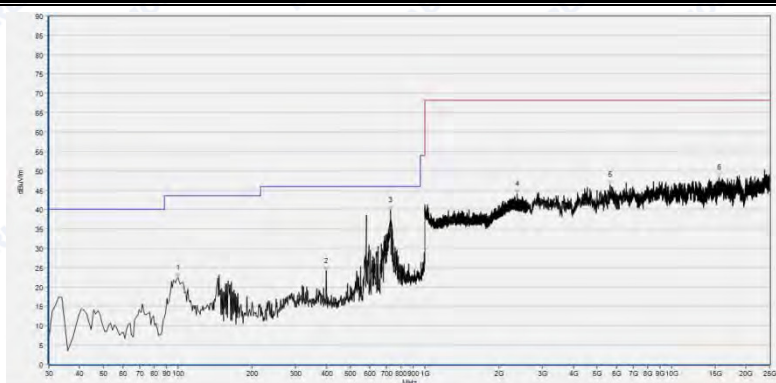


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26389.549 | 50.88 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 28960.495 | 51.07 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29986.248 | 51.36 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 32724.091 | 52.10 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 34685.586 | 51.06 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 36768.971 | 52.19 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

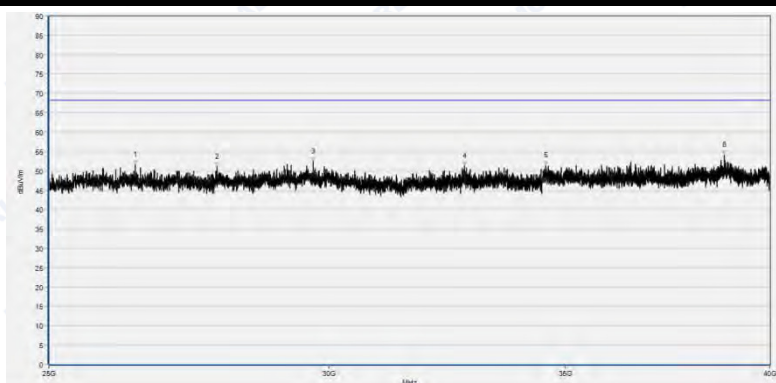
(Antenna Horizontal, 30MHz to 25GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 99.910    | 22.44 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 397.998   | 24.16 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 728.128   | 39.82 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2370.057  | 44.02 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 5633.567  | 46.41 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 15540.828 | 48.24 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26451.431 | 51.60 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 27895.362 | 51.10 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29699.337 | 52.46 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32782.223 | 51.24 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 34565.571 | 51.40 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38829.854 | 54.21 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

(Antenna Vertical, 30MHz to 25GHz)



Plot for Channel = 165

| Channel | Frequency (MHz) | Antenna       | Receiver                      | A <sub>T</sub> (dB) | A <sub>Factor</sub> (dB@3m) | Max. Emission E (dBμV/m) | Limit (dBμV/m) | Verdict | Detector Type |
|---------|-----------------|---------------|-------------------------------|---------------------|-----------------------------|--------------------------|----------------|---------|---------------|
|         |                 | Horiz./ Vert. | Reading U <sub>R</sub> (dBuV) |                     |                             |                          |                |         |               |
| 165     | 5860.00         | Horizontal    | 46.24                         | -50.65              | 32.11                       | 27.70                    | 78.2           | Pass    | Peak          |
| 165     | 5860.00         | Vertical      | 39.20                         | -50.65              | 32.11                       | 20.66                    | 78.2           | Pass    |               |



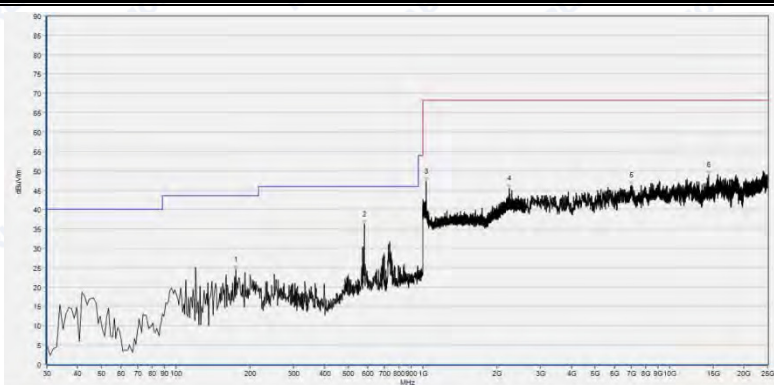
(Channel = 165 Horizontal @ 802.11n)



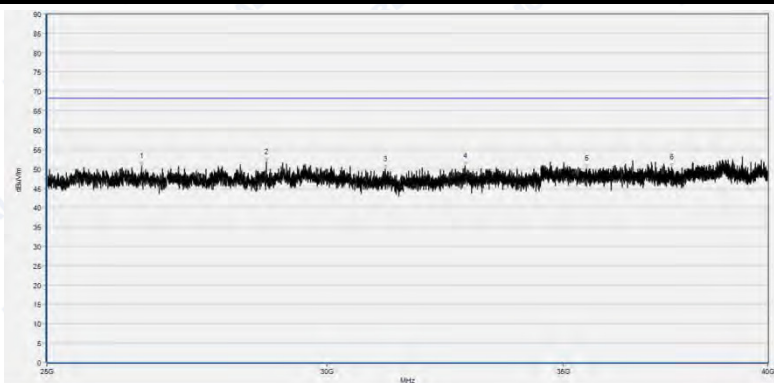
(Channel = 165 Vertical @ 802.11n)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 174.675   | 24.48 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 580.541   | 36.20 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 1032.011  | 47.20 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 2238.813  | 45.50 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 7000.240  | 46.33 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 14398.200 | 48.91 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

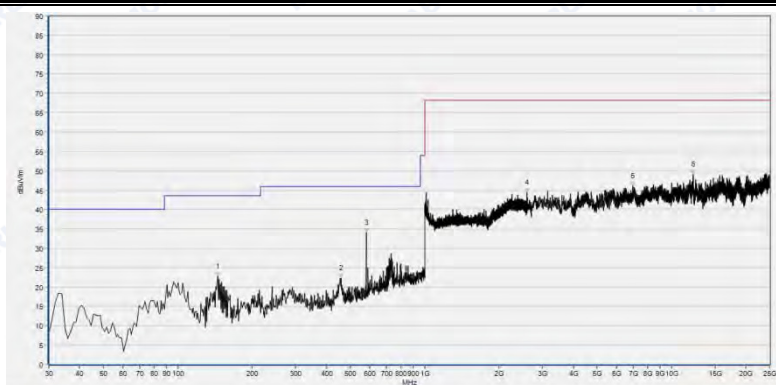


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26597.700 | 50.81 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 28847.981 | 51.73 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 31177.022 | 49.89 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 32838.480 | 50.76 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 35542.568 | 50.12 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 37565.946 | 50.40 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

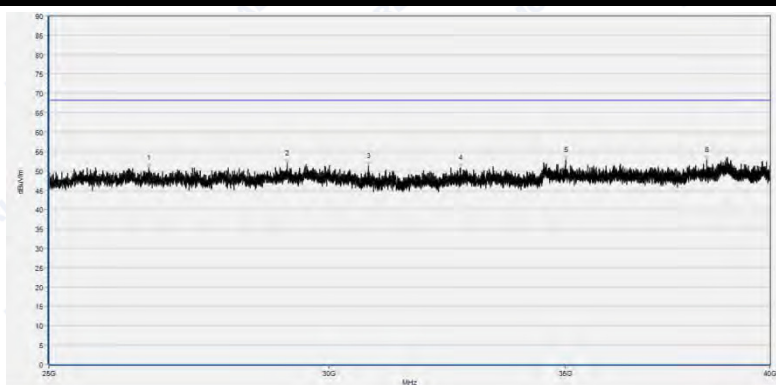
(Antenna Horizontal, 30MHz to 40GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 144.575   | 22.79 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 458.198   | 22.21 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 579.570   | 34.04 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2586.129  | 44.42 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 6959.912  | 46.09 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 12251.850 | 49.11 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26680.210 | 50.78 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29206.151 | 52.01 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 30794.474 | 51.28 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32701.588 | 50.86 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 35013.752 | 52.72 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38391.049 | 52.88 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

(Antenna Vertical, 30MHz to 40GHz)

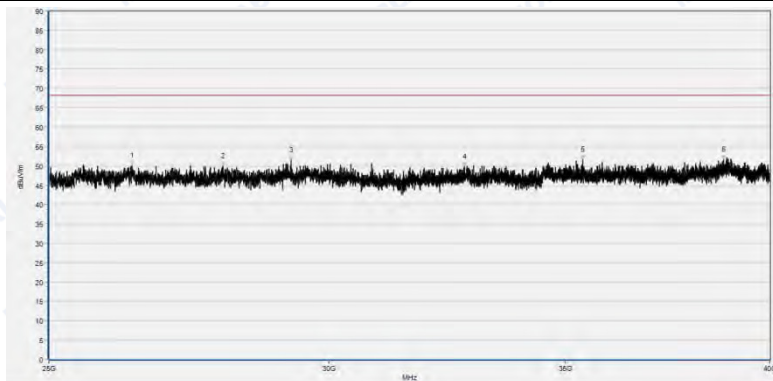
**2.8.3.3 802.11a-20MHz SISO Test mode (Antenna 2)****A. Test Plots for the Whole Measurement Frequency Range:**

**Note: The radiated emission of three antennas were tested, and only the worst case was recorded in the report.**

Plots for Channel = 36



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 33.884    | 20.97 | N.A | N.A | N.A      | 40.00    | N.A      | Horizontal | PASS    |
| 168.849   | 28.66 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 479.560   | 28.84 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2183.861  | 44.28 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 5001.760  | 46.13 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 16208.482 | 50.14 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

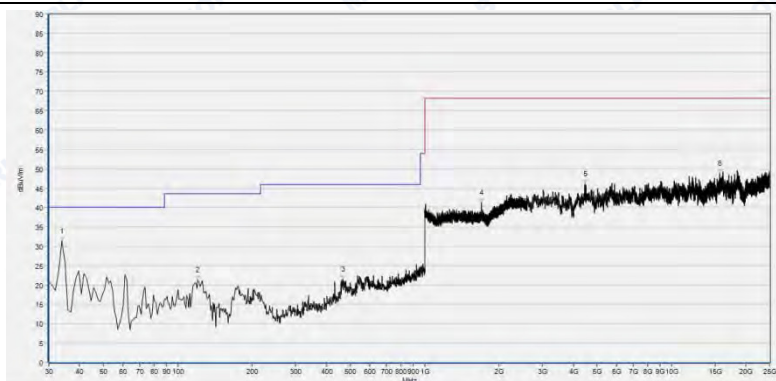


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26391.424 | 50.07 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 27998.500 | 49.87 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29275.534 | 51.44 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 32776.597 | 49.76 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 35405.676 | 51.62 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 38814.852 | 51.57 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

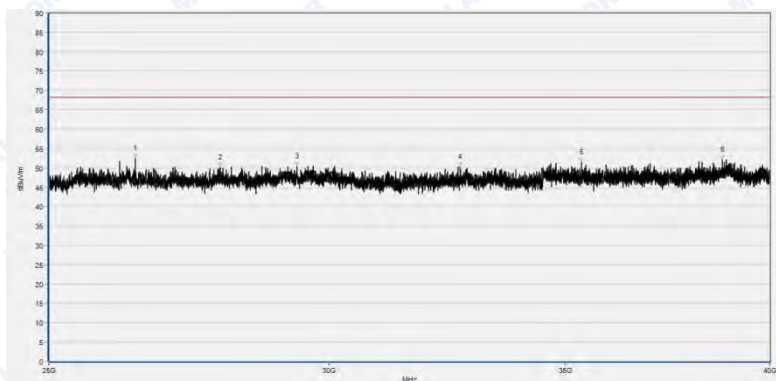
(Antenna Horizontal, 30MHz to 40GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 33.884    | 31.33 | N.A | N.A | N.A      | 40.00    | N.A      | Vertical | PASS    |
| 120.300   | 21.28 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 467.908   | 21.51 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 1701.034  | 41.17 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 4486.457  | 46.07 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 15661.812 | 48.72 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

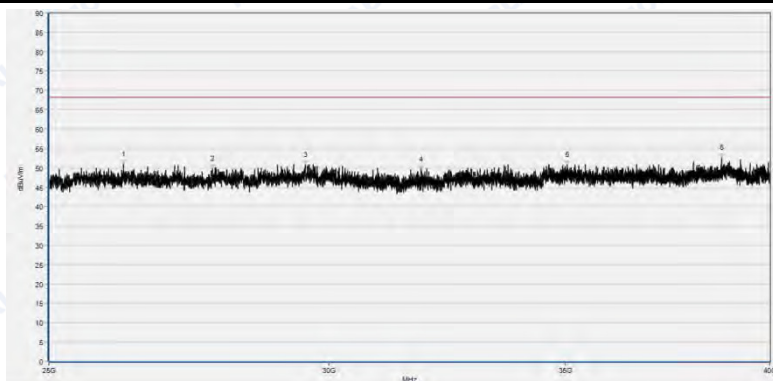


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26447.681 | 52.44 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 27959.120 | 50.05 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29391.799 | 50.44 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32690.336 | 50.27 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 35379.422 | 51.37 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38779.222 | 52.16 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

(Antenna Vertical, 30MHz to 40GHz)

Plot for Channel = 44

| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 33.884    | 22.47 | N.A | N.A | N.A      | 40.00    | N.A      | Horizontal | PASS    |
| 61.071    | 15.59 | N.A | N.A | N.A      | 40.00    | N.A      | Horizontal | PASS    |
| 169.820   | 26.14 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 479.560   | 27.63 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2423.408  | 43.66 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 8725.385  | 47.27 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

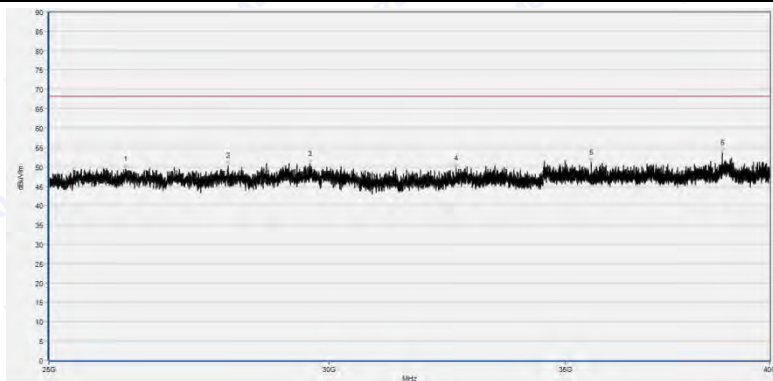


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26248.906 | 50.96 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 27810.976 | 49.73 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29545.568 | 50.75 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 31867.108 | 49.63 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 35055.007 | 50.71 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 38758.595 | 52.58 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 25GHz)



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 33.884    | 30.67 | N.A | N.A | N.A      | 40.00    | N.A      | Vertical | PASS    |
| 125.155   | 24.41 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 468.879   | 23.30 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 2153.985  | 43.07 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 4580.556  | 46.06 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 12220.484 | 47.74 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

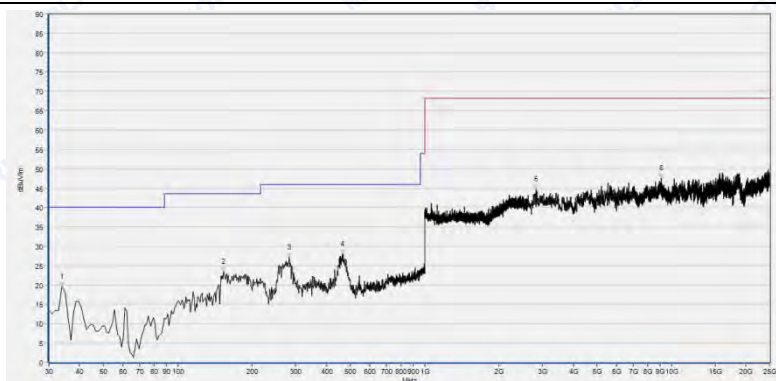


| Fre. (MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|------------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26284.536  | 49.41 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 28096.012  | 50.27 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29639.330  | 50.84 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 32600.325  | 49.58 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 35610.076  | 51.07 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38775.472  | 53.64 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

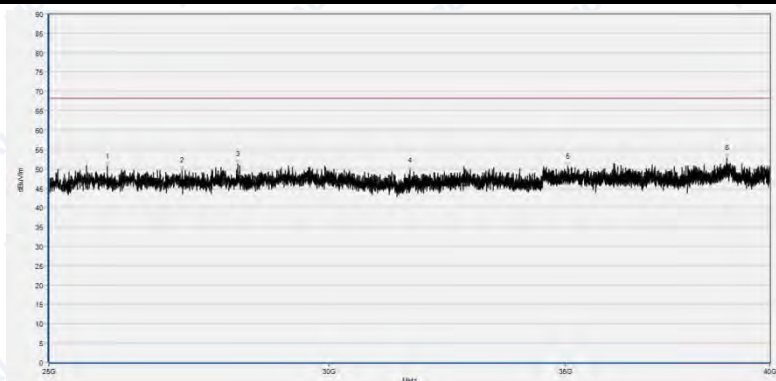
(Antenna Vertical, 30MHz to 40GHz)



## Plot for Channel = 48



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 33.884    | 19.63 | N.A | N.A | N.A      | 40.00    | N.A      | Horizontal | PASS    |
| 153.313   | 23.42 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 282.452   | 27.12 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 463.053   | 27.98 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2828.526  | 44.77 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 9070.414  | 47.55 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 25969.496 | 50.56 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 27272.784 | 49.57 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 28272.284 | 51.27 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 31638.330 | 49.66 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 35062.508 | 50.62 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 38889.861 | 52.75 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

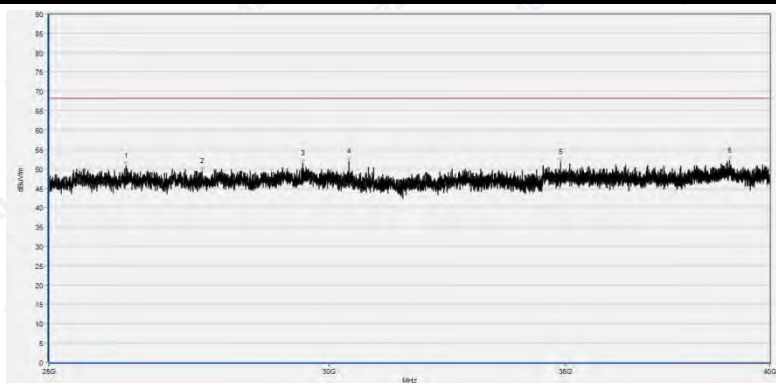
(Antenna Horizontal, 30MHz to 40GHz)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 39.710    | 24.62 | N.A | N.A | N.A      | 40.00    | N.A      | Vertical | PASS    |
| 204.775   | 20.69 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 464.024   | 22.19 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 3903.941  | 45.68 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 6587.998  | 45.88 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 16746.189 | 48.42 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 26290.161 | 50.78 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 27623.453 | 49.45 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29500.563 | 51.43 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 30398.800 | 51.98 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 34904.988 | 51.76 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38959.245 | 52.11 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

(Antenna Vertical, 30MHz to 40GHz)



Plots for Channel = 149

| Channel | Frequency (MHz) | Antenna       | Receiver Reading<br>$U_R$ (dBuV) | $A_T$ (dB) | $A_{Factor}$ (dB@3m) | Max. Emission<br>$E$ (dB $\mu$ V/m) | Limit (dB $\mu$ V/m) | Verdict | Detector Type |
|---------|-----------------|---------------|----------------------------------|------------|----------------------|-------------------------------------|----------------------|---------|---------------|
|         |                 | Horiz./ Vert. |                                  |            |                      |                                     |                      |         |               |
| 149     | 5725.00         | Horizontal    | 55.86                            | -50.65     | 32.11                | 37.32                               | 78.2                 | Pass    | Peak          |
| 149     | 5725.00         | Vertical      | 39.44                            | -50.65     | 32.11                | 20.90                               | 78.2                 | Pass    |               |



(Channel = 149 Horizontal @ 802.11a)



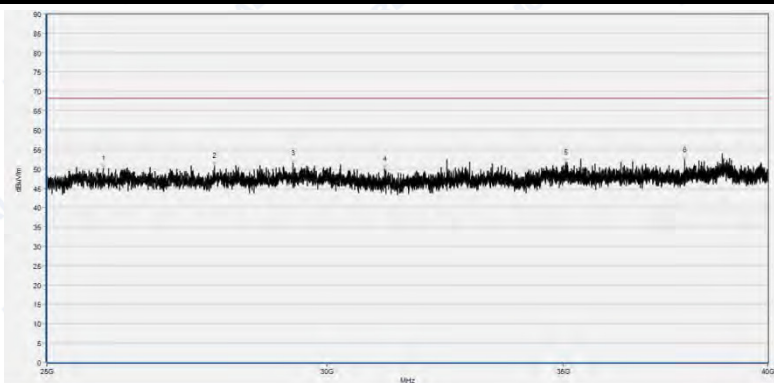
(Channel = 149 Vertical @ 802.11a)



REPORT No.: SZ16020033W12



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 33.884    | 22.89 | N.A | N.A | N.A      | 40.00    | N.A      | Horizontal | PASS    |
| 61.071    | 15.84 | N.A | N.A | N.A      | 40.00    | N.A      | Horizontal | PASS    |
| 188.268   | 26.07 | N.A | N.A | N.A      | 43.50    | N.A      | Horizontal | PASS    |
| 479.560   | 26.74 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2206.802  | 43.68 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 8971.834  | 47.77 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 25933.867 | 50.12 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 27885.986 | 50.86 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29352.419 | 51.41 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 31162.020 | 49.98 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 35071.884 | 51.58 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 37895.987 | 52.31 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

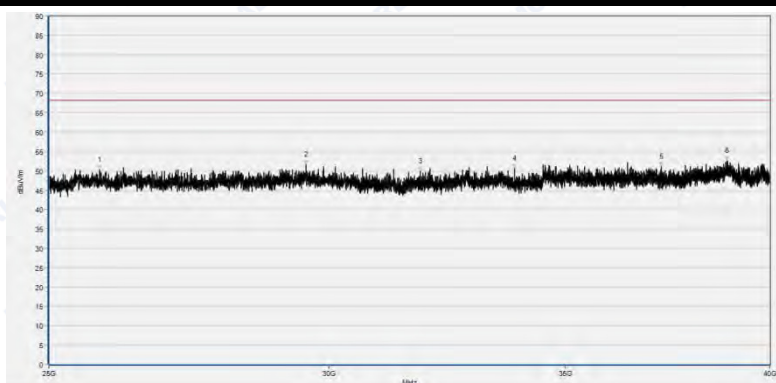
(Antenna Horizontal, 30MHz to 40GHz)



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| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 33.884    | 32.18 | N.A | N.A | N.A      | 40.00    | N.A      | Vertical | PASS    |
| 119.329   | 23.44 | N.A | N.A | N.A      | 43.50    | N.A      | Vertical | PASS    |
| 471.792   | 24.18 | N.A | N.A | N.A      | 46.00    | N.A      | Vertical | PASS    |
| 1203.268  | 39.89 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 3003.281  | 43.83 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 12166.713 | 47.52 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

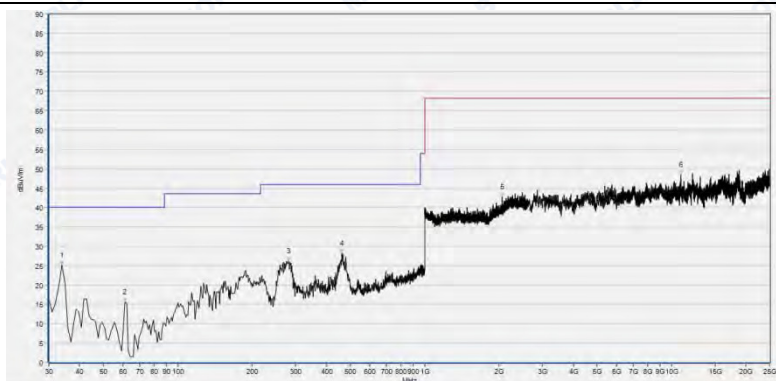


| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna  | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|----------|---------|
| 25836.355 | 50.28 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 29564.321 | 51.70 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 31844.606 | 49.98 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 33871.734 | 50.62 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 37264.033 | 51.14 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |
| 38902.988 | 52.68 | N.A | N.A | N.A      | N.A      | 68.23    | Vertical | PASS    |

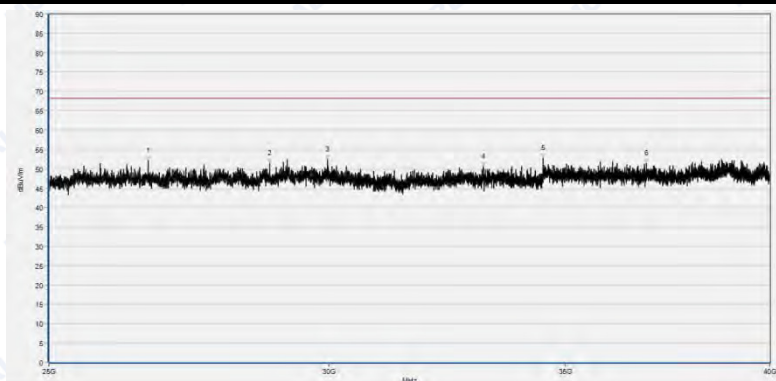
(Antenna Vertical, 30MHz to 40GHz)



Plot for Channel = 157



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 33.884    | 25.17 | N.A | N.A | N.A      | 40.00    | N.A      | Horizontal | PASS    |
| 61.071    | 15.63 | N.A | N.A | N.A      | 40.00    | N.A      | Horizontal | PASS    |
| 280.511   | 26.10 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 462.082   | 28.13 | N.A | N.A | N.A      | 46.00    | N.A      | Horizontal | PASS    |
| 2056.352  | 42.69 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 10929.986 | 48.51 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |



| Fre.(MHz) | Pk    | QP  | AV  | Limit-PK | Limit-QP | Limit-AV | Antenna    | Verdict |
|-----------|-------|-----|-----|----------|----------|----------|------------|---------|
| 26668.959 | 52.15 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 28870.484 | 51.37 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 29984.373 | 52.42 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 33191.024 | 50.58 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 34507.438 | 52.80 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |
| 36905.863 | 51.43 | N.A | N.A | N.A      | N.A      | 68.23    | Horizontal | PASS    |

(Antenna Horizontal, 30MHz to 25GHz)