

## 4.3 OUTPUT POWER MEASUREMENT

### 4.3.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3), and RSS-247 section 6.2.1.1, section 6.2.2.1, section 6.2.3.1 and section 6.2.4.1

#### **FCC:**

##### **UNII-1 :**

For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW(24 dBm), whichever power is less. B is the 99% emission bandwidth in megahertz, provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### **UNII-2a and 2c:**

the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. and The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99% emission bandwidth in MHz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### **UNII-3:**

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

**IC:****UNII-1 :**

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or  $1.76 + 10 \log_{10} B$ , dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or  $10 + 10 \log_{10} B$ , dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

**UNII-2a and 2c:**

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or  $1.76 + 10 \log_{10} B$ , dBm, whichever is less. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

Devices, other than devices installed in vehicles, shall comply with the following:

The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10} B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

**UNII-2c (5470-5600 MHz and 5650-5725 MHz)**

The maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10} B$ , dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

**UNII-3:**

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

|                  |                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNII-1 Limit     | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 24dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 24 – (DG – 6)] |
| UNII-2a/2c Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 24dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 24 – (DG – 6)] |
| UNII-3 Limit     | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 30 – (DG – 6)] |

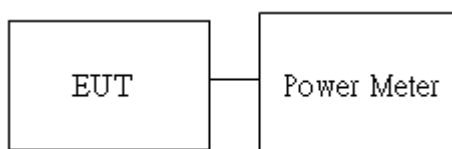
### 4.3.2 Test Procedure

Test method Refer as KDB 789033 D02, Section E.3.b for BW 20MHz and 40MHz, E.2.b for BW 80MHz.

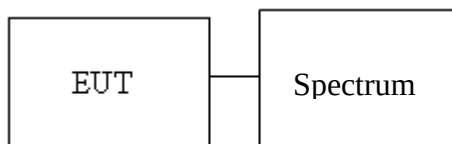
1. The EUT RF output connected to the power meter or spectrum by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Average output power. in the test report.

### 4.3.3 Test Setup

For BW 20MHz and 40MHz



For BW 80MHz



### 4.3.4 Test Result

#### Conducted output power :

| UNII-1                                          |    |                |              |                   |                                   |                          |                                 |             |                |                       |
|-------------------------------------------------|----|----------------|--------------|-------------------|-----------------------------------|--------------------------|---------------------------------|-------------|----------------|-----------------------|
| Config                                          | CH | Freq.<br>(MHz) | Power<br>Set | AV Power<br>(dBm) | ERP AV<br>Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | ERP AV<br>Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) | ERP<br>Limit<br>(dBm) |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 36 | 5180           | 48           | 16.84             | 20.84                             | 0.0483                   | 0.1213                          | 4           | 24             | 23                    |
|                                                 | 44 | 5220           | 48           | 16.79             | 20.79                             | 0.0478                   | 0.1199                          |             |                |                       |
|                                                 | 48 | 5240           | 48           | 17.13             | 21.13                             | 0.0516                   | 0.1297                          |             |                |                       |
| IEEE<br>802.11n<br>HT20<br>Data rate:<br>MCS0   | 36 | 5180           | 48           | 17.12             | 21.12                             | 0.0515                   | 0.1294                          |             |                |                       |
|                                                 | 44 | 5220           | 48           | 17.38             | 21.38                             | 0.0547                   | 0.1374                          |             |                |                       |
|                                                 | 48 | 5240           | 48           | 16.98             | 20.98                             | 0.0499                   | 0.1253                          |             |                |                       |
| IEEE<br>802.11n<br>HT40 Data<br>rate: MCS0      | 38 | 5190           | 48           | 17.45             | 21.45                             | 0.0556                   | 0.1396                          |             |                |                       |
|                                                 | 46 | 5230           | 48           | 17.70             | 21.70                             | 0.0589                   | 0.1479                          |             |                |                       |
| IEEE<br>802.11ac<br>VHT80<br>Data rate:<br>MCS0 | 42 | 5210           | 48           | 16.81             | 20.81                             | 0.0480                   | 0.1205                          |             |                |                       |



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| UNII-2a                                         |    |                |           |                   |                                   |                          |                              |             |                |                       |
|-------------------------------------------------|----|----------------|-----------|-------------------|-----------------------------------|--------------------------|------------------------------|-------------|----------------|-----------------------|
| Config                                          | CH | Freq.<br>(MHz) | Power Set | AV Power<br>(dBm) | ERP AV<br>Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | ERP AV<br>Total Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) | ERP<br>Limit<br>(dBm) |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 52 | 5260           | 48        | 17.18             | 21.18                             | 0.0522                   | 0.1312                       | 4           | 24             | 30                    |
|                                                 | 56 | 5280           | 48        | 17.12             | 21.12                             | 0.0515                   | 0.1294                       |             |                |                       |
|                                                 | 64 | 5320           | 48        | 17.28             | 21.28                             | 0.0535                   | 0.1343                       |             |                |                       |
| IEEE<br>802.11n<br>HT20<br>Data rate:<br>MCS0   | 52 | 5260           | 48        | 17.70             | 21.70                             | 0.0589                   | 0.1479                       |             |                |                       |
|                                                 | 56 | 5280           | 48        | 17.60             | 21.60                             | 0.0575                   | 0.1445                       |             |                |                       |
|                                                 | 64 | 5320           | 48        | 17.53             | 21.53                             | 0.0566                   | 0.1422                       |             |                |                       |
| IEEE<br>802.11n<br>HT40<br>Data rate:<br>MCS0   | 54 | 5270           | 48        | 18.01             | 22.01                             | 0.0632                   | 0.1589                       |             |                |                       |
|                                                 | 62 | 5310           | 48        | 17.92             | 21.92                             | 0.0619                   | 0.1556                       |             |                |                       |
| IEEE<br>802.11ac<br>VHT80<br>Data rate:<br>MCS0 | 58 | 5290           | 48        | 17.53             | 21.53                             | 0.0566                   | 0.1422                       |             |                |                       |



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| UNII-2c                                         |     |                |           |                   |                                   |                          |                                 |             |                |                       |
|-------------------------------------------------|-----|----------------|-----------|-------------------|-----------------------------------|--------------------------|---------------------------------|-------------|----------------|-----------------------|
| Config                                          | CH  | Freq.<br>(MHz) | Power Set | AV Power<br>(dBm) | ERP AV<br>Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | ERP AV<br>Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) | ERP<br>Limit<br>(dBm) |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 100 | 5500           | 48        | 16.72             | 20.72                             | 0.0470                   | 0.1180                          | 4           | 24             | 30                    |
|                                                 | 116 | 5580           | 48        | 17.03             | 21.03                             | 0.0505                   | 0.1268                          |             |                |                       |
|                                                 | 140 | 5700           | 48        | 17.41             | 21.41                             | 0.0551                   | 0.1384                          |             |                |                       |
| IEEE<br>802.11n<br>HT20<br>Data rate:<br>MCS0   | 100 | 5500           | 48        | 17.28             | 21.28                             | 0.0535                   | 0.1343                          |             |                |                       |
|                                                 | 116 | 5580           | 48        | 16.95             | 20.95                             | 0.0495                   | 0.1245                          |             |                |                       |
|                                                 | 140 | 5700           | 48        | 17.50             | 21.50                             | 0.0562                   | 0.1413                          |             |                |                       |
| IEEE<br>802.11n<br>HT40<br>Data rate:<br>MCS0   | 102 | 5510           | 48        | 17.51             | 21.51                             | 0.0564                   | 0.1416                          |             |                |                       |
|                                                 | 110 | 5550           | 48        | 17.48             | 21.48                             | 0.0560                   | 0.1406                          |             |                |                       |
|                                                 | 134 | 5670           | 48        | 17.74             | 21.74                             | 0.0594                   | 0.1493                          |             |                |                       |
| IEEE<br>802.11ac<br>VHT80<br>Data rate:<br>MCS0 | 106 | 5530           | 48        | 17.00             | 21.00                             | 0.0501                   | 0.1259                          |             |                |                       |



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| UNII-3                                          |     |                |           |                      |                          |             |                |
|-------------------------------------------------|-----|----------------|-----------|----------------------|--------------------------|-------------|----------------|
| Config                                          | CH  | Freq.<br>(MHz) | Power Set | AV<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 149 | 5745           | 48        | 16.61                | 0.0458                   | 4           | 30             |
|                                                 | 157 | 5785           | 48        | 16.01                | 0.0399                   |             |                |
|                                                 | 165 | 5825           | 48        | 15.45                | 0.0351                   |             |                |
| IEEE<br>802.11n<br>HT20<br>Data rate:<br>MCS0   | 149 | 5745           | 48        | 16.30                | 0.0427                   |             |                |
|                                                 | 157 | 5785           | 48        | 16.95                | 0.0495                   |             |                |
|                                                 | 165 | 5825           | 48        | 16.12                | 0.0409                   |             |                |
| IEEE<br>802.11n<br>HT40<br>Data rate:<br>MCS0   | 151 | 5755           | 48        | 16.31                | 0.0428                   |             |                |
|                                                 | 159 | 5795           | 48        | 15.81                | 0.0381                   |             |                |
| IEEE<br>802.11ac<br>VHT80<br>Data rate:<br>MCS0 | 155 | 5775           | 48        | 15.52                | 0.0356                   |             |                |

## 4.4 POWER SPECTRAL DENSITY

### 4.4.1 Test Limit

According to §15.407 (a)(1), 15.407(a)(2) and 15.407(a)(3)

According to RSS-247 section 6.2.1.1, section 6.2.2.1, section 6.2.3.1 and section 6.2.4.1

#### UNII-1:

**FCC:** The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

**IC:** The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### UNII-2a and 2c:

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### UNII-3:

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

|               |                                                                                                                                                                   |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UNII-1 Limit  | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 11 dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 11 – (DG – 6)] |
| UNII-2a Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 11 dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 11 – (DG – 6)] |
| UNII-2c Limit | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 11 dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 11 – (DG – 6)] |
| UNII-3 Limit  | <input checked="" type="checkbox"/> Antenna not exceed 6 dBi : 30 dBm<br><input type="checkbox"/> Antenna with DG greater than 6 dBi :<br>[Limit = 30 – (DG – 6)] |

#### 4.4.2 Test Procedure

Test method Refer as KDB 789033 D02

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. UNII-1, UNII-2a and UNII-2c, SA set RBW = 1MHz, VBW = 3MHz and Detector = RMS, to measurement Power Density.
4. UNII-3, SA set RBW = 500kHz, VBW = 2MHz and Detector = RMS, to measurement Power Density
5. The path loss and Duty Factor were compensated to the results for each measurement by SA.
6. Mark the maximum level.
7. Measure and record the result of power spectral density. in the test report.

#### 4.4.3 Test Setup



#### 4.4.4 Test Result

| UNII-1 5150-5250 MHz                |                 |                    |                    |                  |                 |                |
|-------------------------------------|-----------------|--------------------|--------------------|------------------|-----------------|----------------|
| Test mode: IEEE 802.11a mode        |                 |                    |                    |                  |                 |                |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | FCC Limit (dBm) | IC Limit (dBm) |
| Low                                 | 5180            | 0.690              | -                  | 0.690            | 11              | 10             |
| Mid                                 | 5220            | 0.778              | -                  | 0.778            |                 |                |
| High                                | 5240            | 0.218              | -                  | 0.218            |                 |                |
| Test mode: IEEE 802.11n HT20 mode   |                 |                    |                    |                  |                 |                |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | FCC Limit (dBm) | IC Limit (dBm) |
| Low                                 | 5180            | -3.405             | -                  | 0.218            | 11              | 10             |
| Mid                                 | 5220            | -3.261             | -                  | -3.261           |                 |                |
| High                                | 5240            | -2.952             | -                  | -2.952           |                 |                |
| Test mode: IEEE 802.11n HT40 mode   |                 |                    |                    |                  |                 |                |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | FCC Limit (dBm) | IC Limit (dBm) |
| Low                                 | 5190            | -4.450             | -                  | -4.450           | 11              | 10             |
| High                                | 5230            | -4.522             | -                  | -4.522           |                 |                |
| Test mode: IEEE 802.11ac VHT80 mode |                 |                    |                    |                  |                 |                |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | FCC Limit (dBm) | IC Limit (dBm) |
| Mid                                 | 5210            | -5.186             | -                  | -5.186           | 11              | 10             |

| UNII-2a 5250-5350 MHz               |                 |                    |                    |                  |             |
|-------------------------------------|-----------------|--------------------|--------------------|------------------|-------------|
| Test mode: IEEE 802.11a mode        |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5260            | 0.986              | -                  | 0.986            | 11          |
| Mid                                 | 5280            | -0.15              | -                  | -0.15            |             |
| High                                | 5320            | 1.066              | -                  | 1.066            |             |
| Test mode: IEEE 802.11n HT20 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5260            | -2.052             | -                  | -2.052           | 11          |
| Mid                                 | 5280            | -0.17              | -                  | -0.17            |             |
| High                                | 5320            | -2.841             | -                  | -2.841           |             |
| Test mode: IEEE 802.11n HT40 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5270            | -2.329             | -                  | -2.329           | 11          |
| High                                | 5310            | -2.549             | -                  | -2.549           |             |
| Test mode: IEEE 802.11ac VHT80 mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Mid                                 | 5290            | -4.749             | -                  | -4.749           | 11          |

| UNII-2c 5470-5725 MHz               |                 |                    |                    |                  |             |
|-------------------------------------|-----------------|--------------------|--------------------|------------------|-------------|
| Test mode: IEEE 802.11a mode        |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5500            | 0.400              | -                  | 0.400            | 11          |
| Mid                                 | 5580            | 0.701              | -                  | 0.701            |             |
| High                                | 5700            | 0.803              | -                  | 0.803            |             |
| Test mode: IEEE 802.11n HT20 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5500            | -2.938             | -                  | -2.938           | 11          |
| Mid                                 | 5580            | -3.032             | -                  | -3.032           |             |
| High                                | 5700            | -2.619             | -                  | -2.619           |             |
| Test mode: IEEE 802.11n HT40 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5510            | -2.555             | -                  | -2.555           | 11          |
| Mid                                 | 5550            | -2.607             | -                  | -2.607           |             |
| High                                | 5670            | -2.485             | -                  | -2.485           |             |
| Test mode: IEEE 802.11ac VHT80 mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Mid                                 | 5530            | -4.714             | -                  | -4.714           | 11          |

| UNII-3 5725-5825 MHz                |                 |                    |                    |                  |             |
|-------------------------------------|-----------------|--------------------|--------------------|------------------|-------------|
| Test mode: IEEE 802.11a mode        |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5745            | -3.164             | -                  | -3.164           | 30          |
| Mid                                 | 5785            | -3.705             | -                  | -3.705           |             |
| High                                | 5825            | -4.359             | -                  | -4.359           |             |
| Test mode: IEEE 802.11n HT20 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5745            | -6.586             | -                  | -6.586           | 30          |
| Mid                                 | 5785            | -7.064             | -                  | -7.064           |             |
| High                                | 5825            | -7.624             | -                  | -7.624           |             |
| Test mode: IEEE 802.11n HT40 mode   |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5755            | -6.307             | -                  | -6.307           | 30          |
| High                                | 5795            | -6.397             | -                  | -6.397           |             |
| Test mode: IEEE 802.11ac VHT80 mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Mid                                 | 5775            | -8.585             | -                  | -8.585           | 30          |

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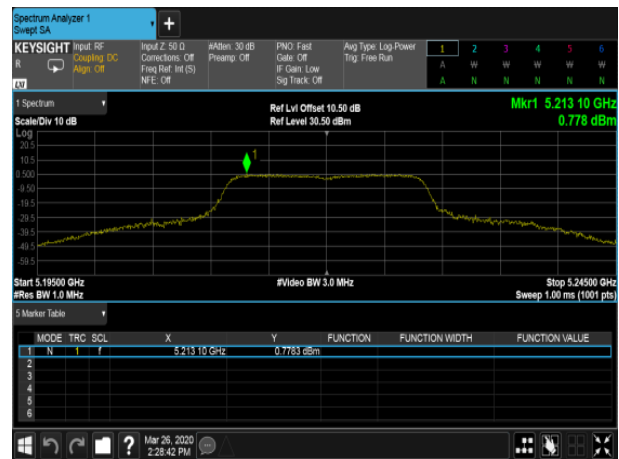
## Test Data

### UNII-1 IEEE 802.11a mode- chain 0

#### Low CH



#### Mid CH



#### High CH



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## UNII-1 IEEE 802.11n HT20 mode- chain 0

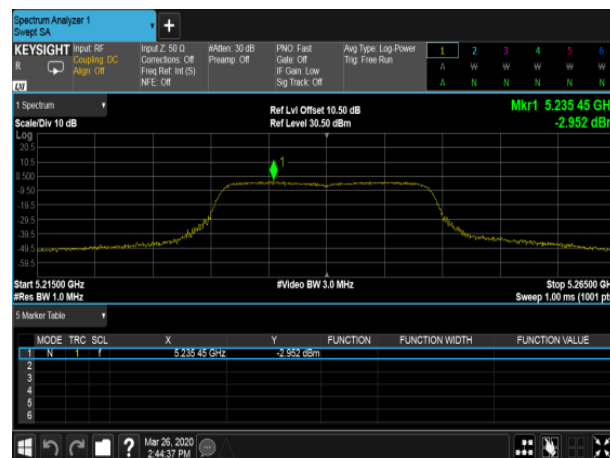
### Low CH



### Mid CH



### High CH



### UNII-1 IEEE 802.11n HT40 mode- chain 0

#### Low CH



#### High CH



### UNII-1 IEEE 802.11ac VHT80 mode- chain 0

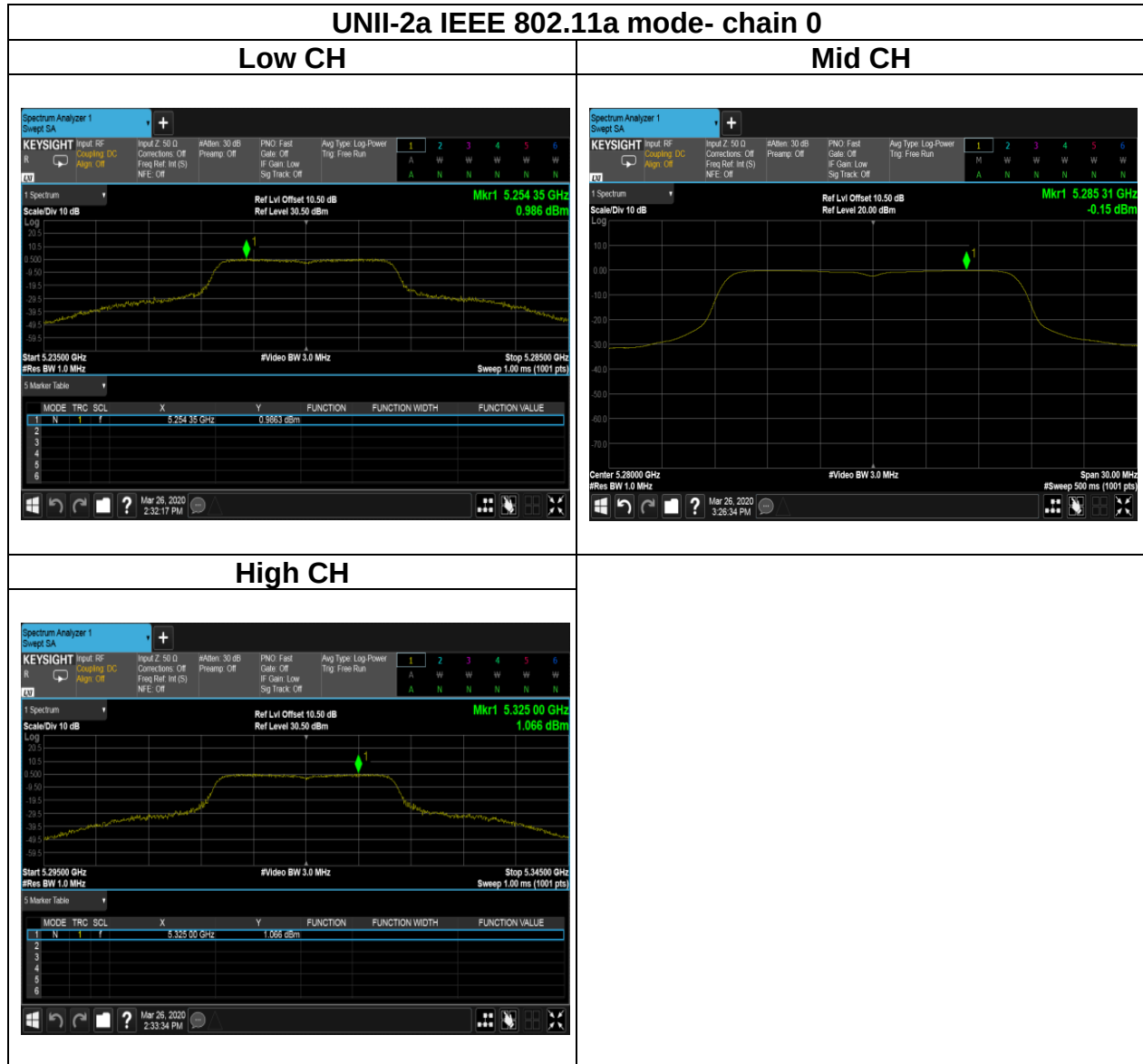
#### Mid CH





Report No.: T200316C02-RP2

## Test Data

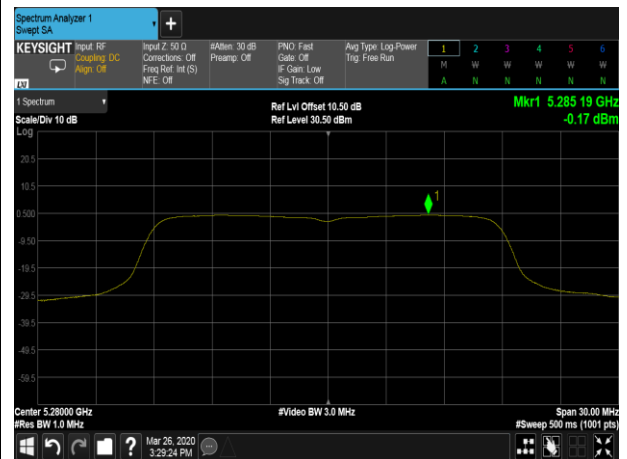


## UNII-2a IEEE 802.11n HT20 mode- chain 0

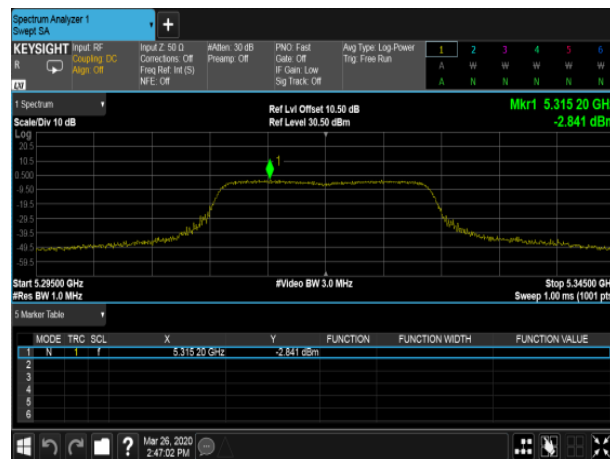
### Low CH



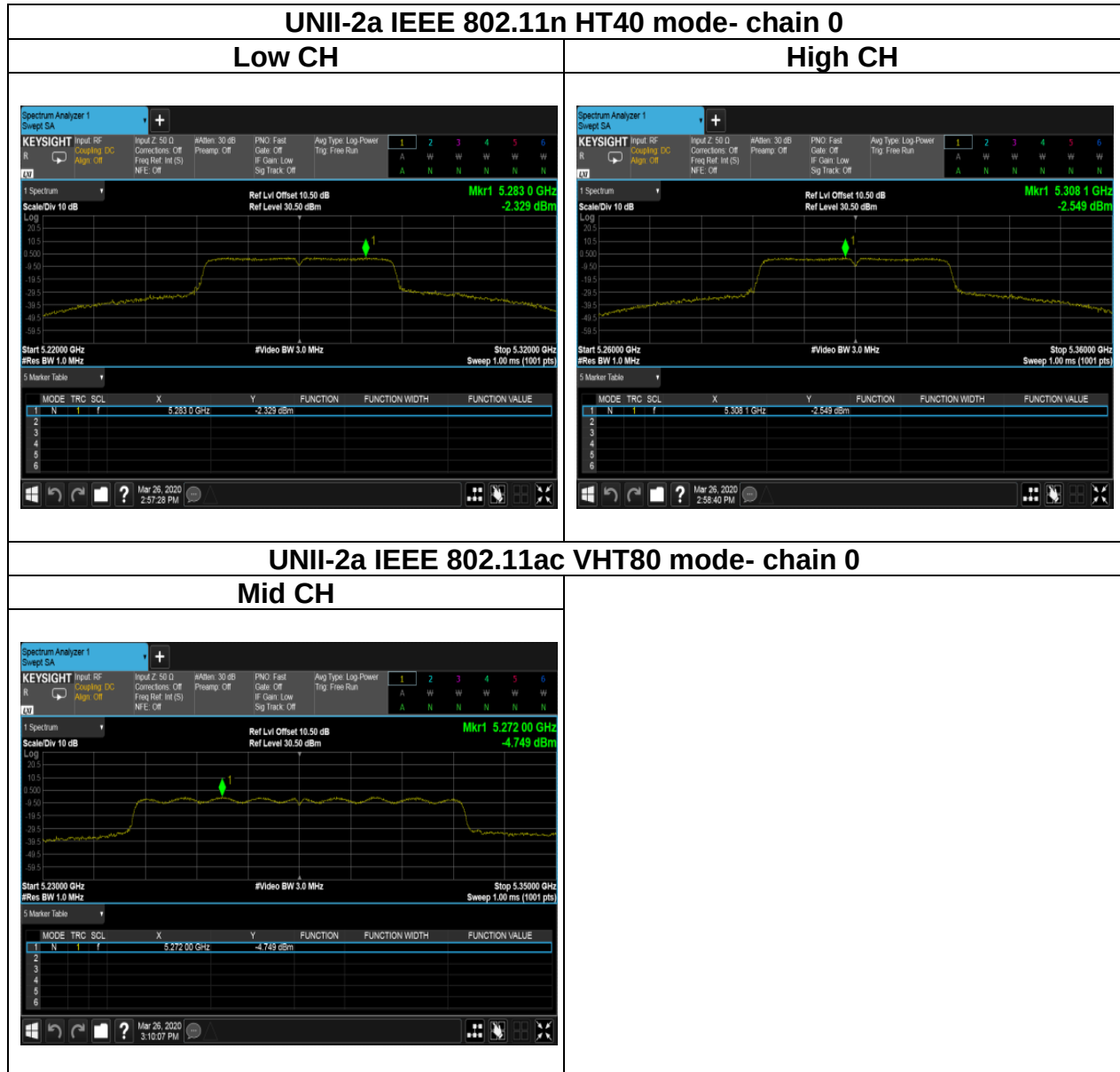
### Mid CH



### High CH

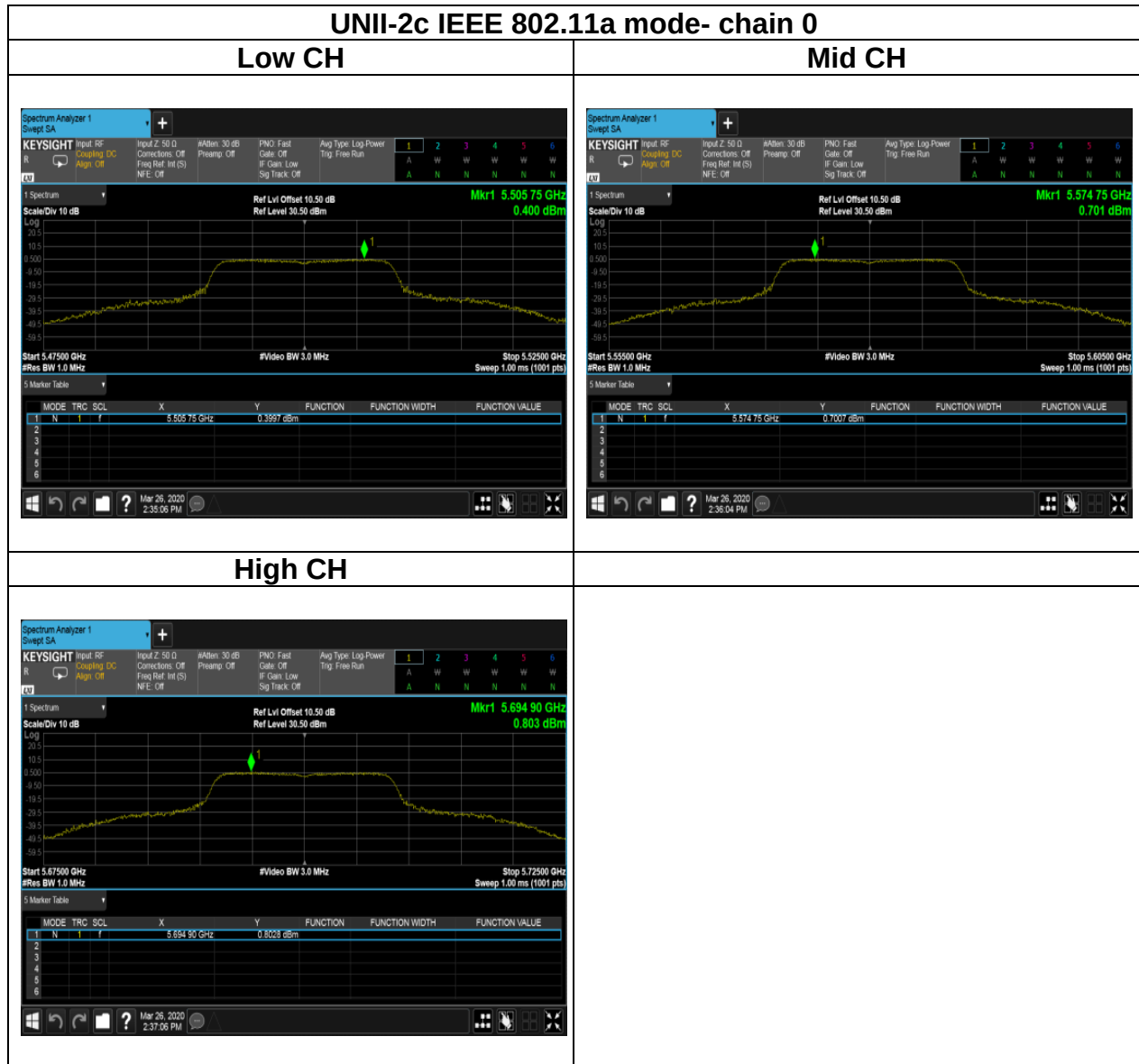


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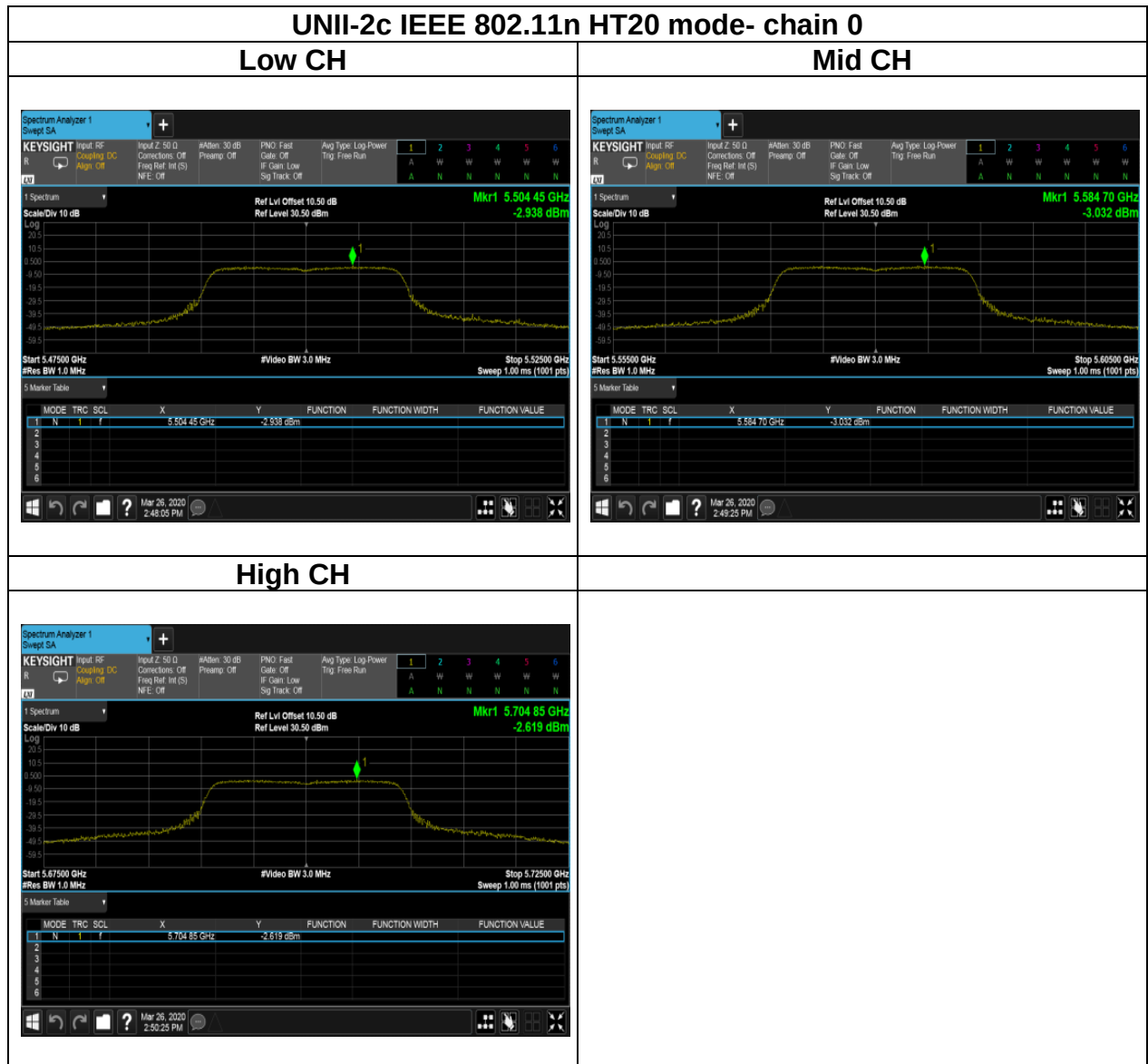


Report No.: T200316C02-RP2

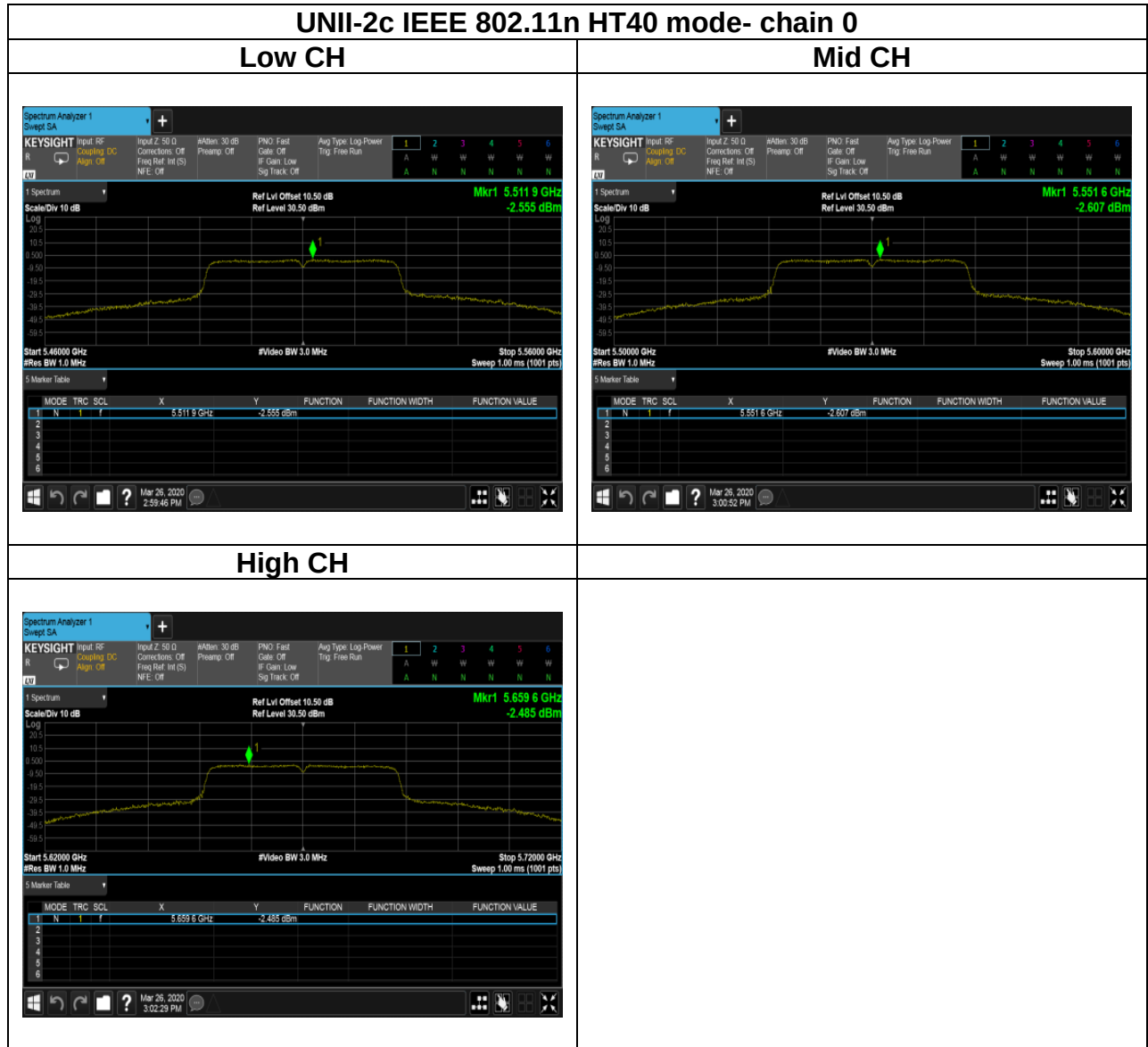
## Test Data



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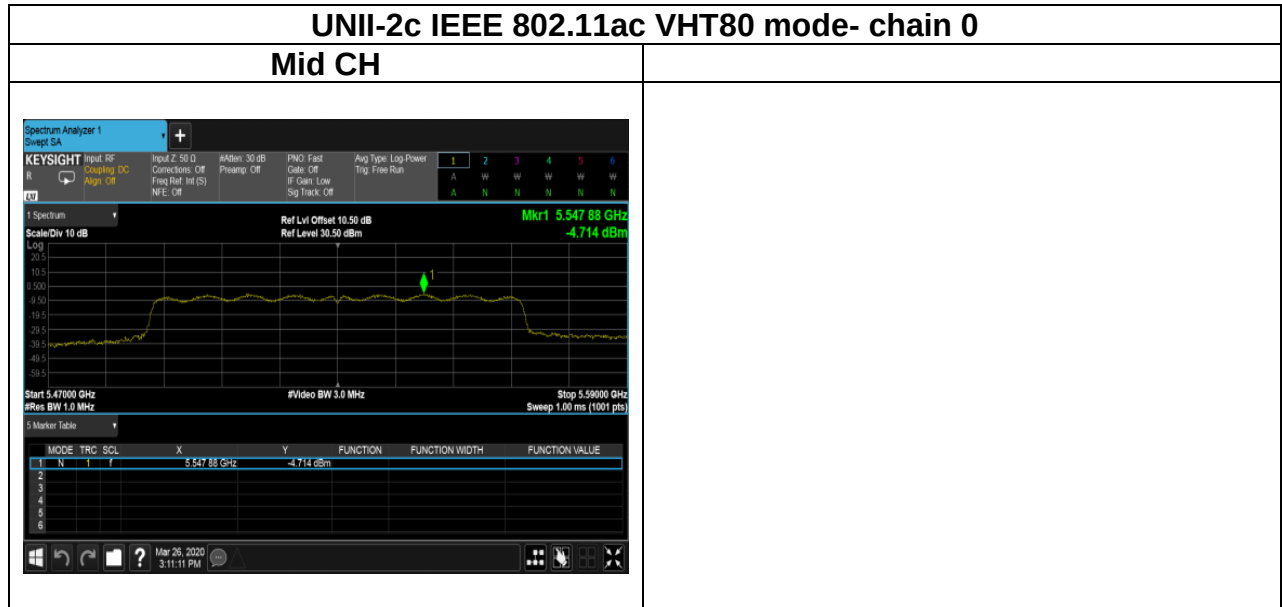
Report No.: T200316C02-RP2





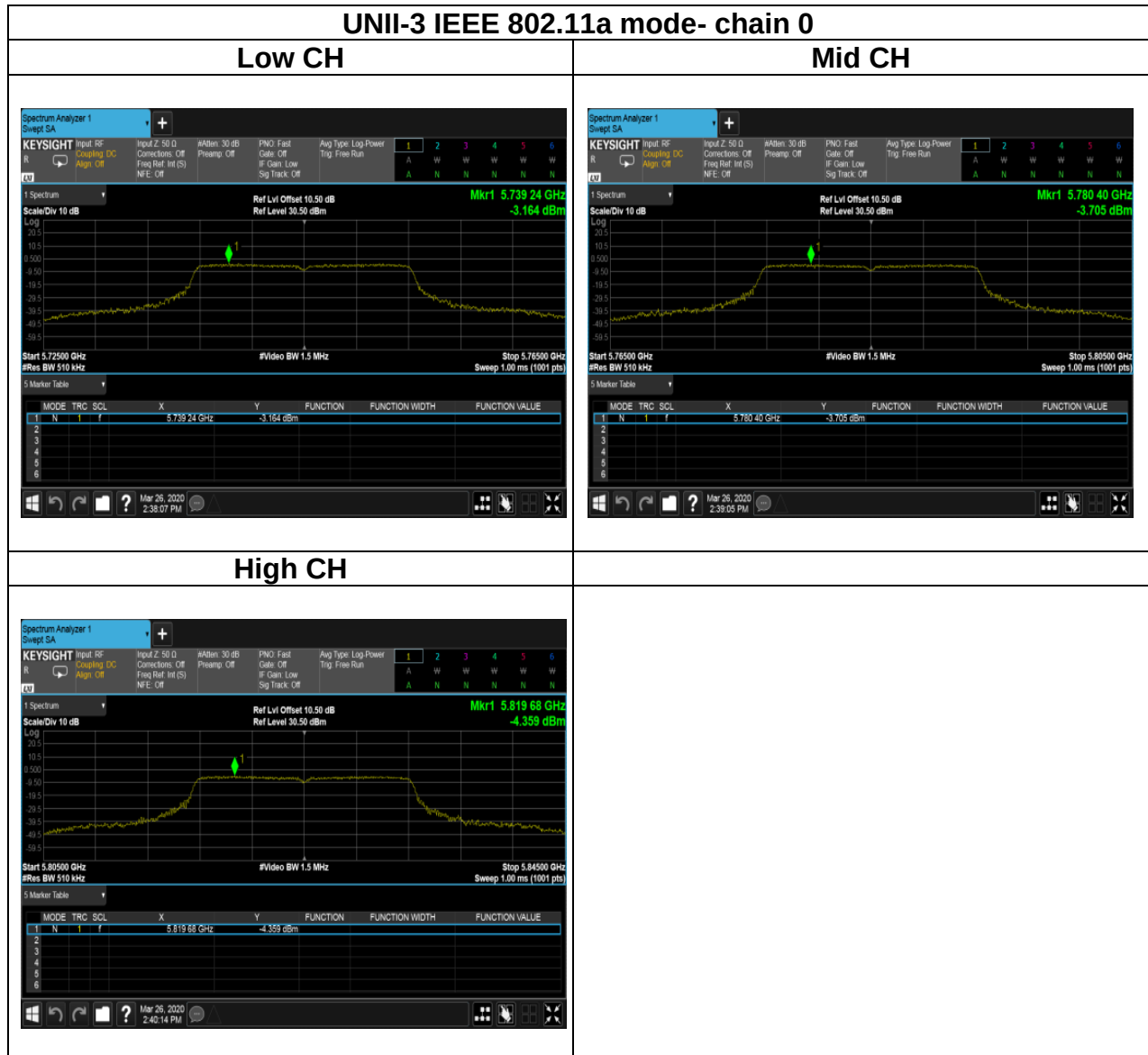
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## Test Data



## UNII-3 IEEE 802.11n HT20 mode- chain 0

### Low CH

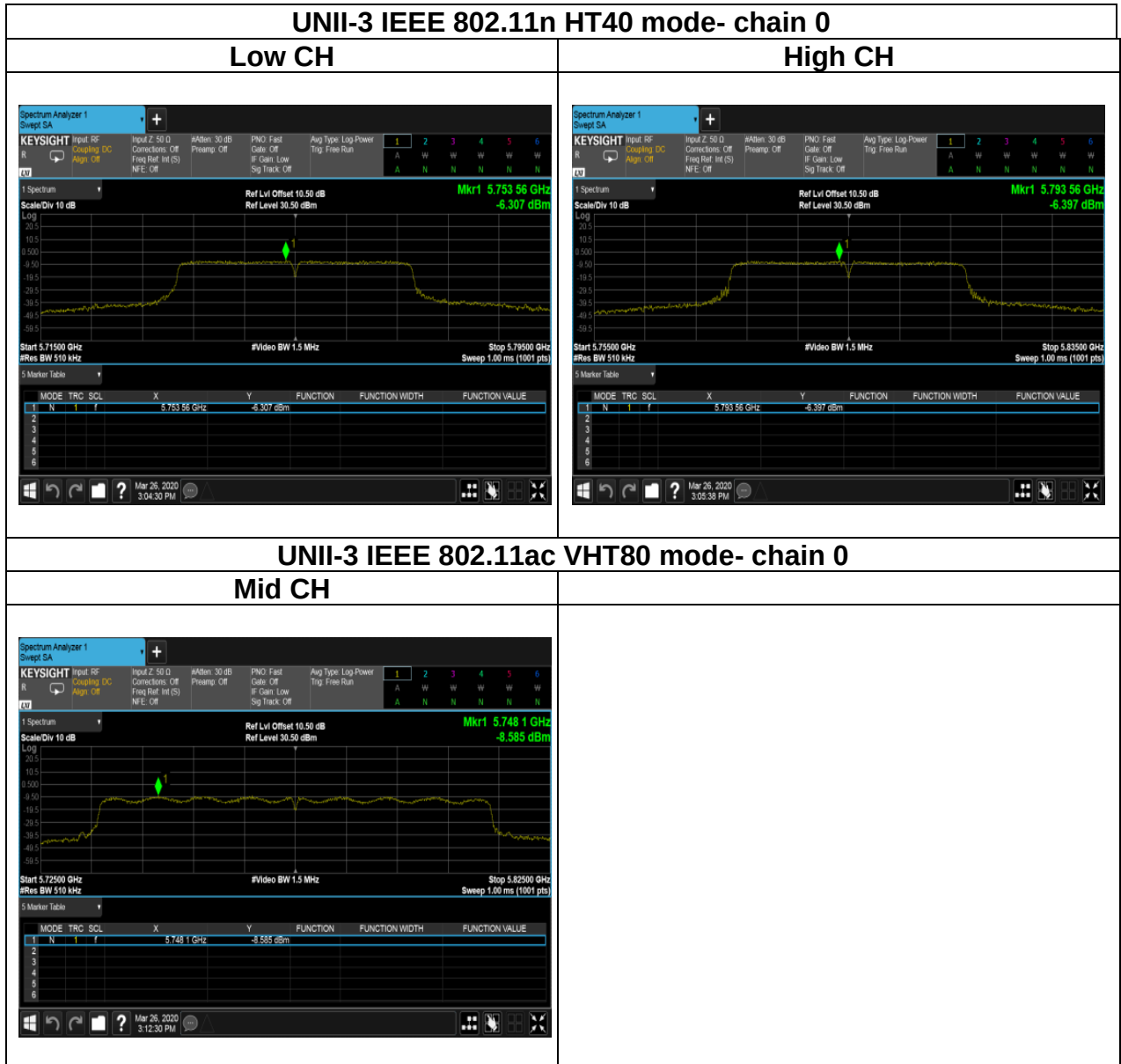


### Mid CH



### High CH





## 4.5 RADIATION BANDEDGE AND SPURIOUS EMISSION

### 4.5.1 Test Limit

According to §15.407, §15.209 and §15.205,  
According to RSS-247 section 6.2.1.2 and section 6.2.4.2

#### Below 30 MHz

| Frequency     | Field Strength<br>(microvolts/m) | Magnetic<br>H-Field<br>(microamperes/m) | Measurement<br>Distance<br>(metres) |
|---------------|----------------------------------|-----------------------------------------|-------------------------------------|
| 9-490 kHz     | 2,400/F (F in kHz)               | 2,400/F (F in kHz)                      | 300                                 |
| 490-1,705 kHz | 24,000/F (F in kHz)              | 24,000/F (F in kHz)                     | 30                                  |
| 1.705-30 MHz  | 30                               | N/A                                     | 30                                  |

#### Above 30 MHz

| Frequency<br>(MHz) | Field Strength<br>microvolts/m at 3 metres (watts, e.i.r.p.) |              |
|--------------------|--------------------------------------------------------------|--------------|
|                    | Transmitters                                                 | Receivers    |
| 30-88              | 100 (3 nW)                                                   | 100 (3 nW)   |
| 88-216             | 150 (6.8 nW)                                                 | 150 (6.8 nW) |
| 216-960            | 200 (12 nW)                                                  | 200 (12 nW)  |
| Above 960          | 500 (75 nW)                                                  | 500 (75 nW)  |

#### RSS-Gen Table 3 and Table 5 – General Field Strength Limits for Transmitters and Receivers at Frequencies Above 30 MHz <sup>(Note)</sup>

| Frequency<br>(MHz) | Field Strength<br>microvolts/m at 3 metres (watts, e.i.r.p.) |              |
|--------------------|--------------------------------------------------------------|--------------|
|                    | Transmitters                                                 | Receivers    |
| 30-88              | 100 (3 nW)                                                   | 100 (3 nW)   |
| 88-216             | 150 (6.8 nW)                                                 | 150 (6.8 nW) |
| 216-960            | 200 (12 nW)                                                  | 200 (12 nW)  |
| Above 960          | 500 (75 nW)                                                  | 500 (75 nW)  |

**Note:** Measurements for compliance with the limits in table 3 may be performed at distances other than 3 metres, in accordance with Section 6.6.

**RSS-Gen Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)**

| Frequency                 | Magnetic field strength (H-Field) ( $\mu\text{A/m}$ ) | Measurement Distance (m) |
|---------------------------|-------------------------------------------------------|--------------------------|
| 9-490 kHz <sup>Note</sup> | 6.37/F (F in kHz)                                     | 300                      |
| 490-1,705 kHz             | 63.7/F (F in kHz)                                     | 30                       |
| 1.705-30 MHz              | 0.08                                                  | 30                       |

**Note:** The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector..

**UNII-1 :**

For transmitters operating in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. However, any unwanted emissions that fall into the band 5250-5350 MHz must be 26 dBc, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth, above 5.25 GHz. Otherwise, the transmission is considered as intentional and the devices shall implement dynamic frequency selection (DFS) and transmitter power control (TPC) as per the requirements for the band 5250-5350 MHz

**UNII-2a and 2c :**

For devices with operating frequencies in the band 5250-5350 MHz but having a channel bandwidth that overlaps the band 5150-5250 MHz, the devices' unwanted emission shall not exceed -27 dBm/MHz e.i.r.p. outside the band 5150-5350 MHz and its power shall comply with the spectral power density for operation within the band 5150-5250 MHz. The device shall be labelled "for indoor use only." Emissions outside the band 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

**UNII-3:**

For the band 5725-5850 MHz, emissions at frequencies from the band edges to 10 MHz above or below the band edges shall not exceed -17 dBm/MHz e.i.r.p.  
For emissions at frequencies more than 10 MHz above or below the band edges, the emissions power shall not exceed -27 dBm/MHz

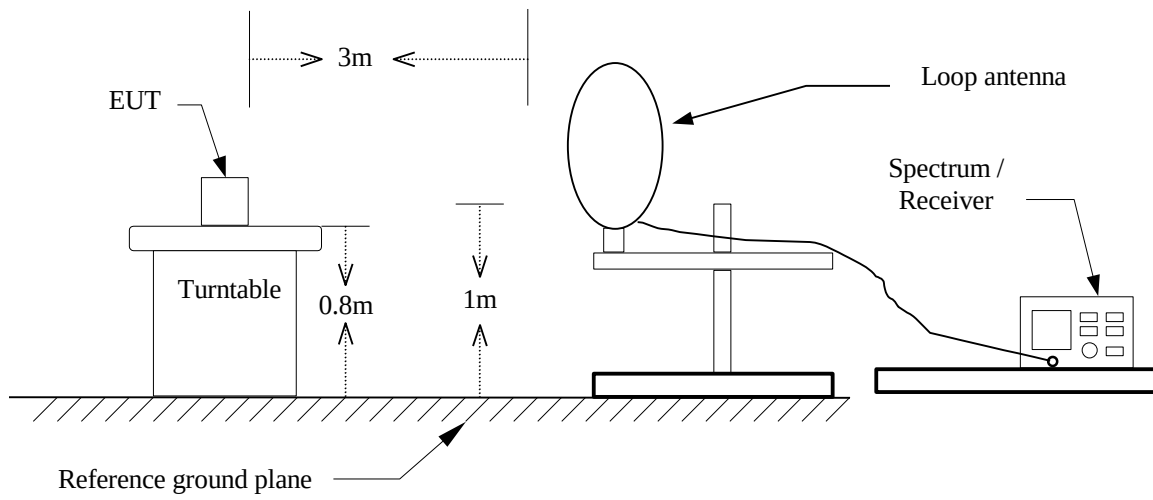
## 4.5.2 Test Procedure

Test method Refer as KDB 789033 D02.

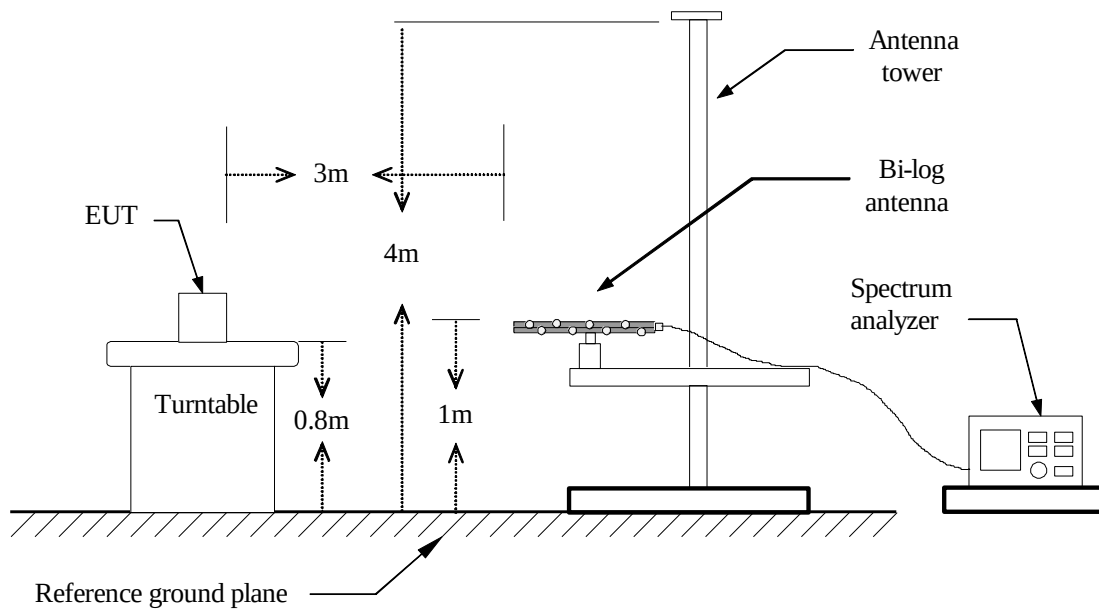
1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.
3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.
4. No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)
5. The SA setting following :
  - (1) Below 1G : RBW = 100kHz, VBW  $\geq 3 \times$  RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
  - (2) Above 1G :
    - (2.1) For Peak measurement : RBW = 1MHz, VBW  $\geq 3 \times$  RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.
    - (2.2) For Average measurement : RBW = 1MHz, VBW
      - If Duty Cycle  $\geq 98\%$ , VBW=10Hz.
      - If Duty Cycle  $< 98\%$ , VBW=1/T.

## 4.5.3 Test Setup

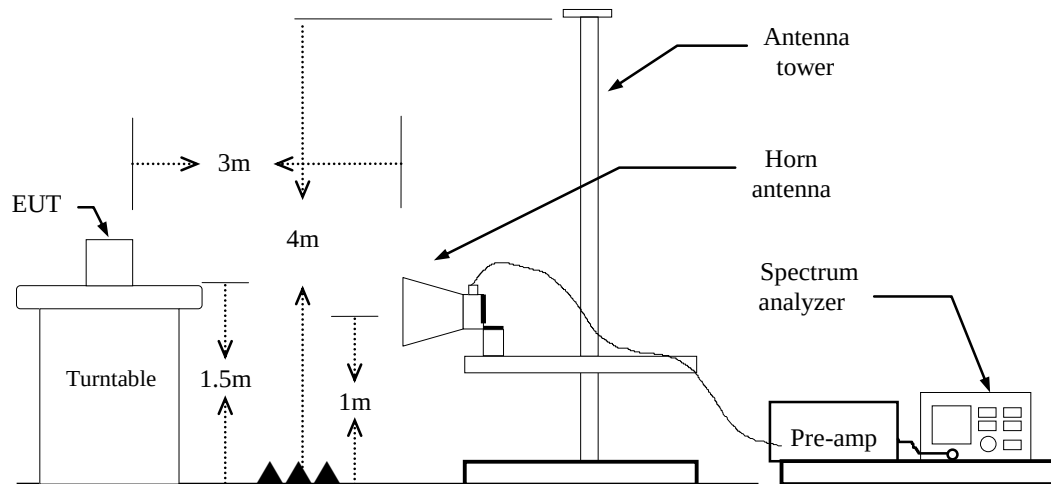
### 9kHz ~ 30MHz



### 30MHz ~ 1GHz



### Above 1 GHz

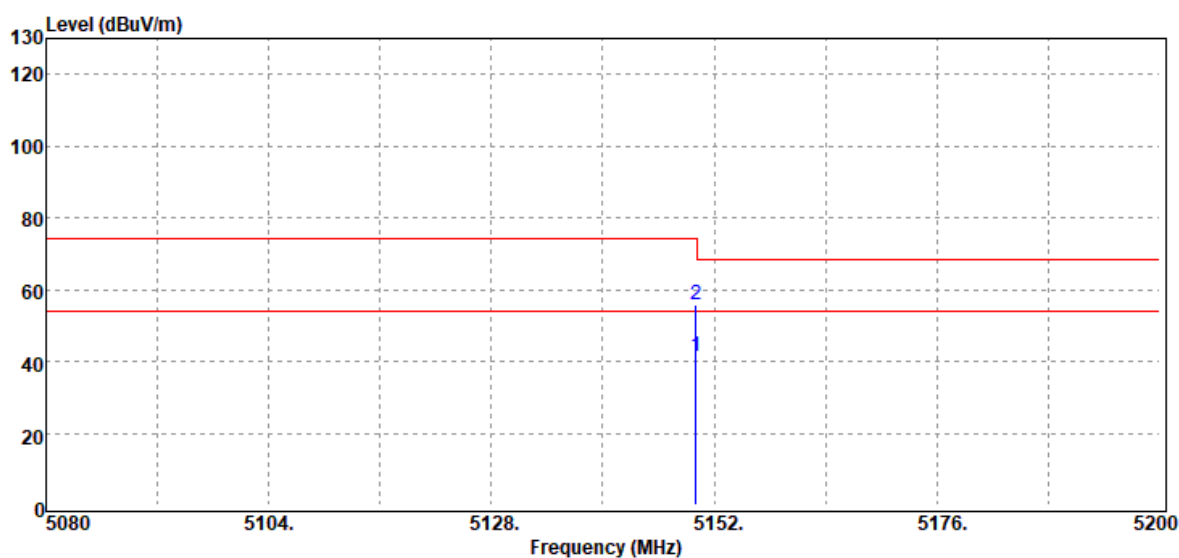


## 4.5.4 Test Result

### Band Edge Test Data

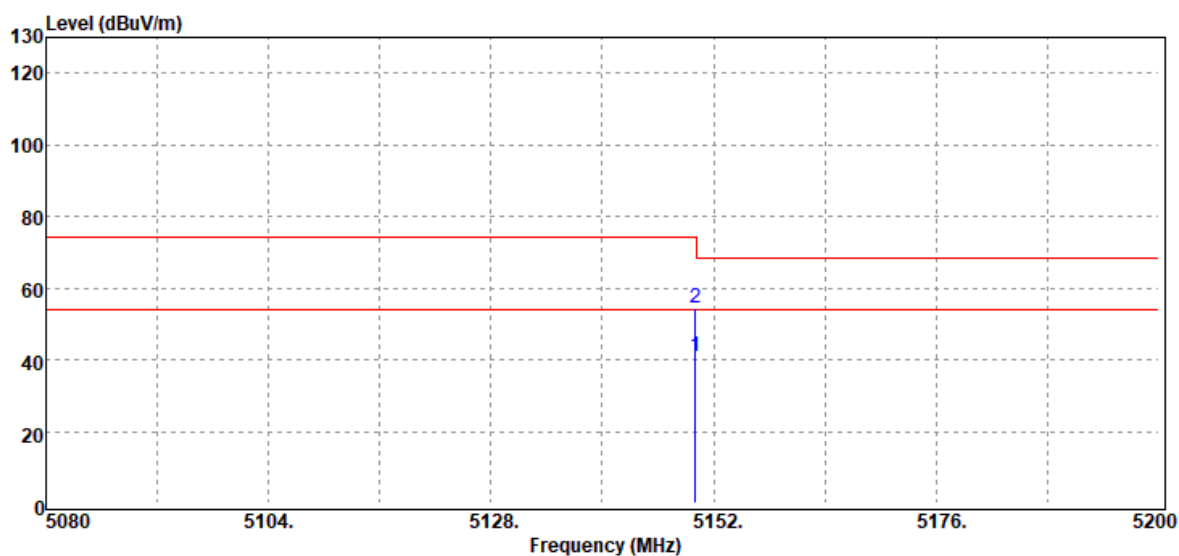
#### Test Data for UNII-1

|           |                        |               |                 |
|-----------|------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge              | Test Date     | April 6, 2020   |
| Polarize  | Vertical               | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average       |               |                 |



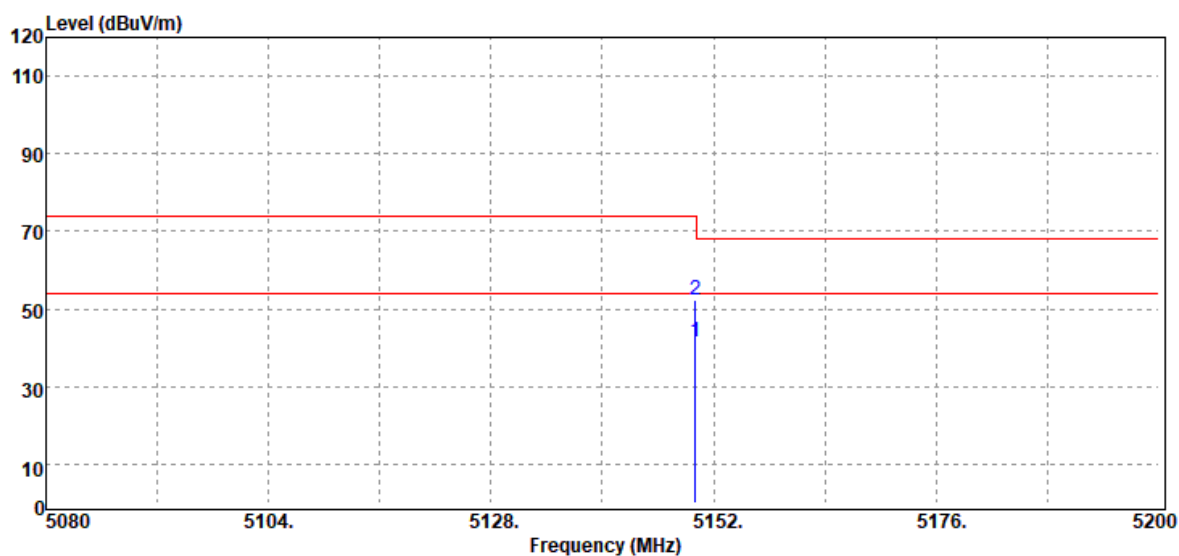
| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|-----------------|------------------------|-----------------------------|-----------|------------------|------------------|-----------|
| 5150.00         | Average                | 35.64                       | 5.58      | 41.22            | 54.00            | -12.78    |
| 5150.00         | Peak                   | 50.32                       | 5.58      | 55.90            | 74.00            | -18.10    |

|           |                        |               |                 |
|-----------|------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge              | Test Date     | April 6, 2020   |
| Polarize  | Horizontal             | Test Engineer | Jerry Chang     |
| Detector  | Peak / Average         |               |                 |



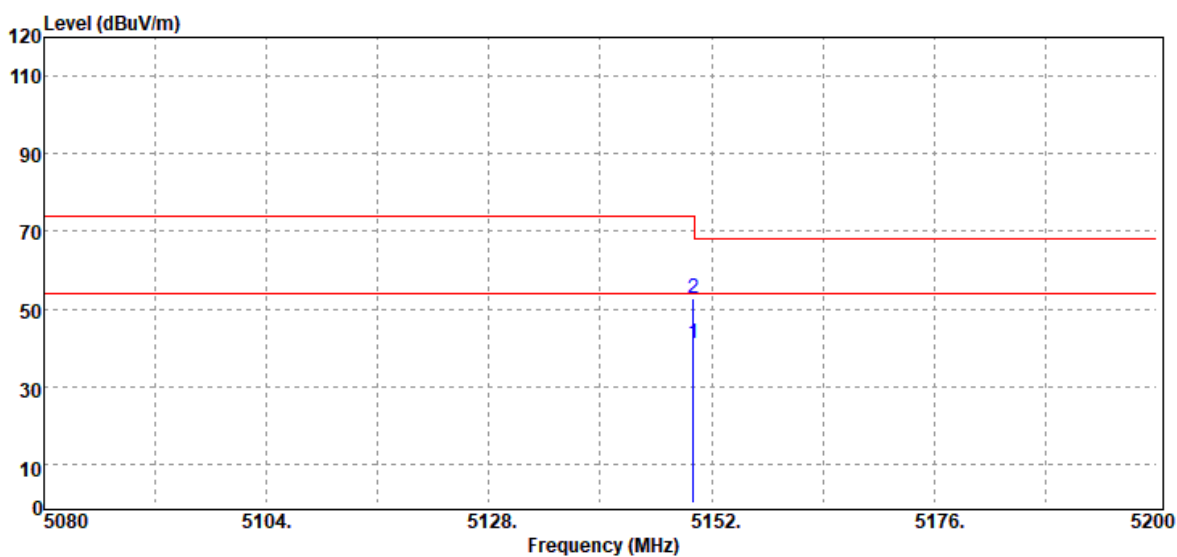
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 5150.00            | Average                      | 35.38                                   | 5.58         | 40.96                        | 54.00                        | -13.04       |
| 5150.00            | Peak                         | 49.01                                   | 5.58         | 54.59                        | 74.00                        | -19.41       |

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5180MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



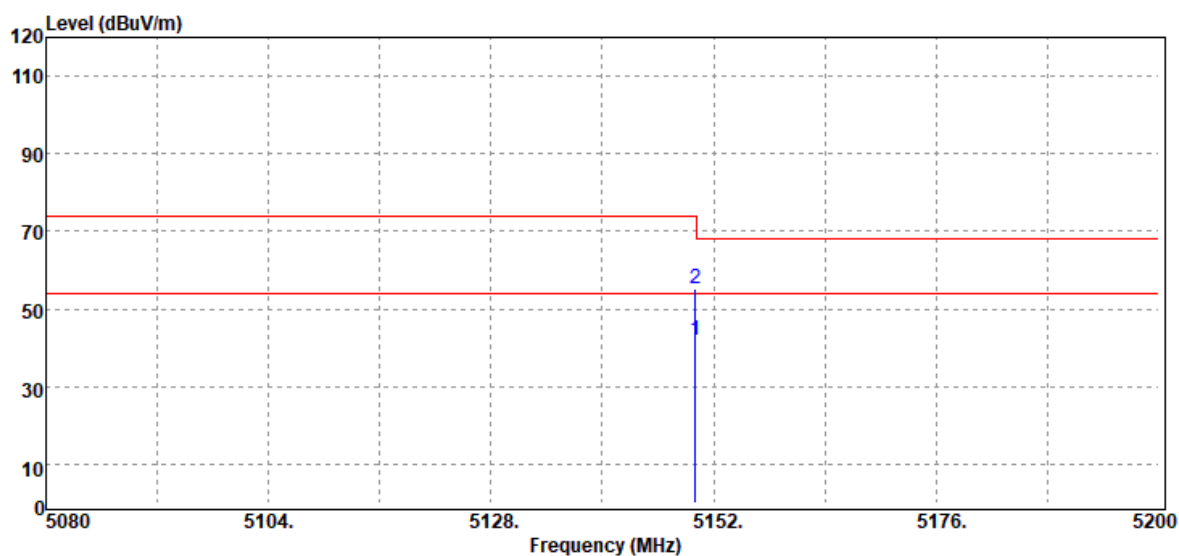
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 5150.00            | Average                      | 35.76                                   | 5.58         | 41.34                        | 54.00                        | -12.66       |
| 5150.00            | Peak                         | 46.77                                   | 5.58         | 52.35                        | 74.00                        | -21.65       |

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5180MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



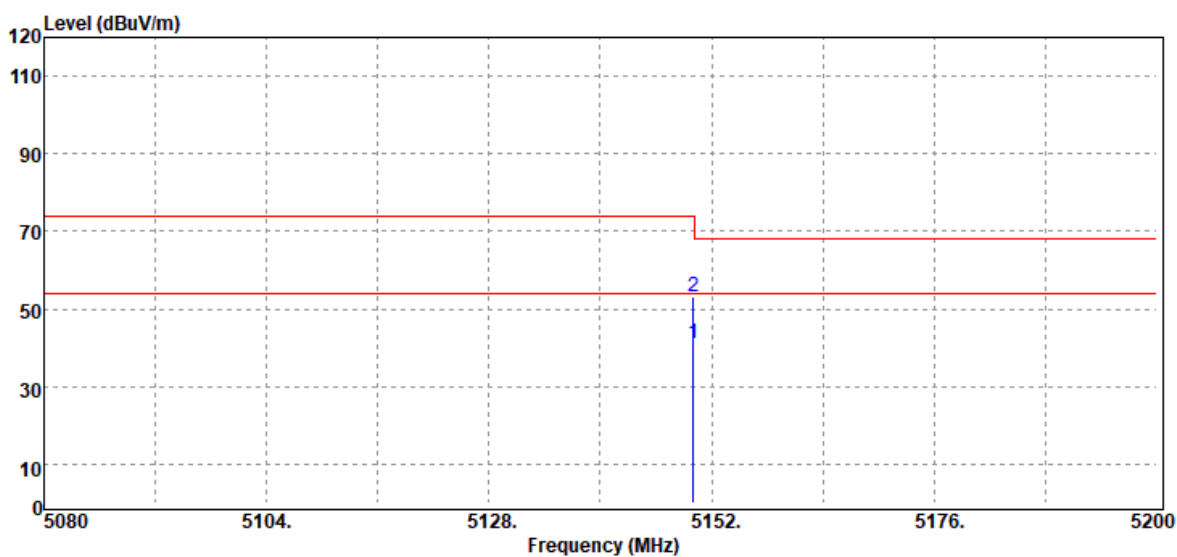
| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|-----------------|------------------------|-----------------------------|-----------|------------------|------------------|-----------|
| 5150.00         | Average                | 35.49                       | 5.58      | 41.07            | 54.00            | -12.93    |
| 5150.00         | Peak                   | 47.12                       | 5.58      | 52.70            | 74.00            | -21.30    |

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5190MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



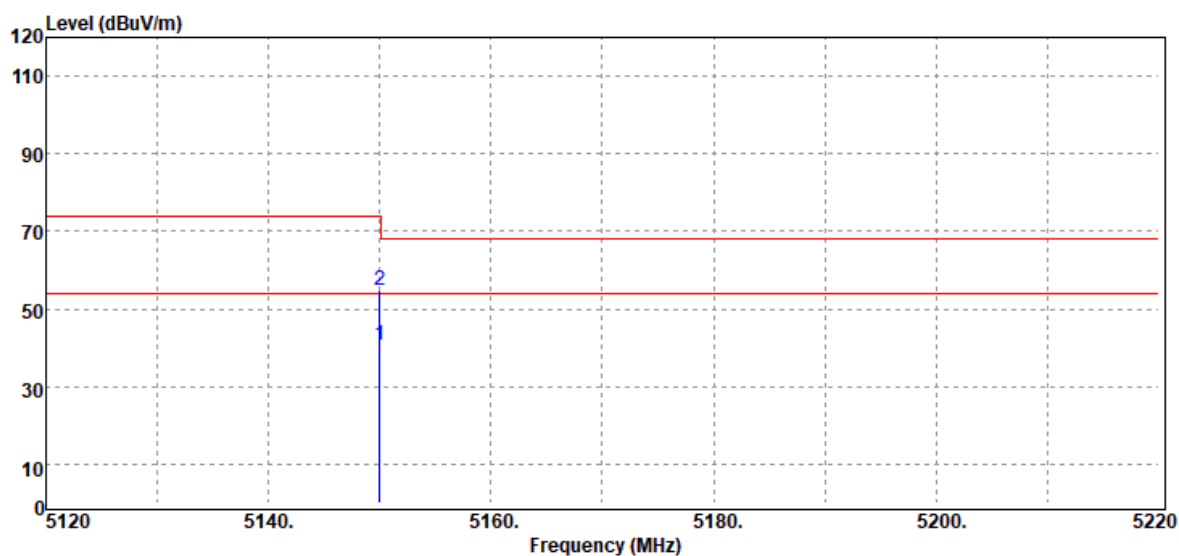
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 5150.00            | Average                      | 36.19                                   | 5.58         | 41.77                        | 54.00                        | -12.23       |
| 5150.00            | Peak                         | 49.79                                   | 5.58         | 55.37                        | 74.00                        | -18.63       |

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5230MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



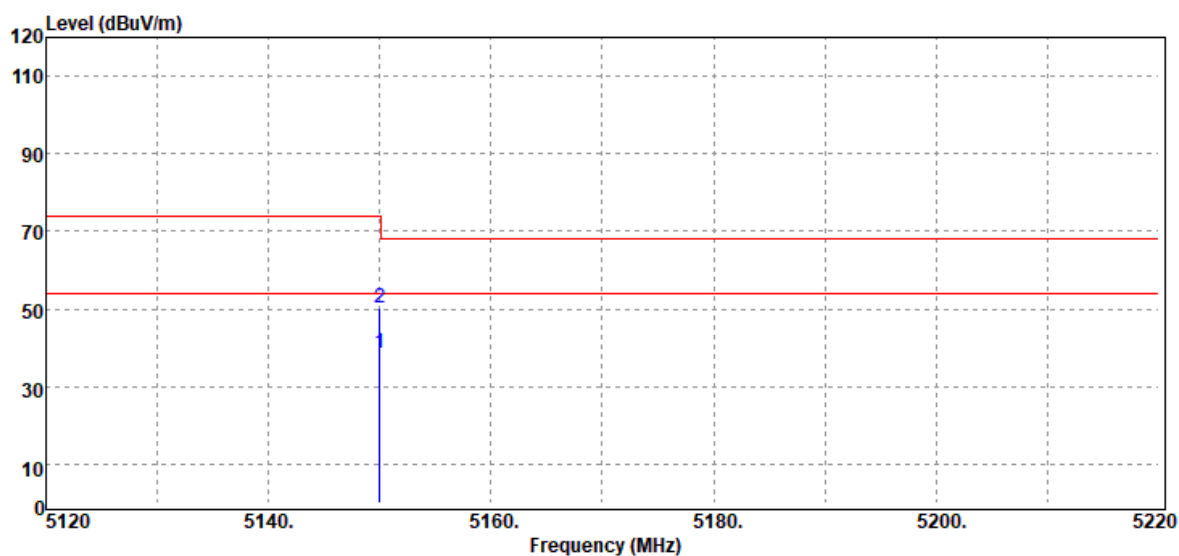
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5150.00            | Average                      | 35.50                             | 5.58         | 41.08                  | 54.00                  | -12.92       |
| 5150.00            | Peak                         | 47.39                             | 5.58         | 52.97                  | 74.00                  | -21.03       |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | I EEE 802.11ac VHT80 / 5210MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average               |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5150.00            | Average                      | 35.31                             | 5.58         | 40.89                  | 54.00                  | -13.11       |
| 5150.00            | Peak                         | 49.11                             | 5.58         | 54.69                  | 74.00                  | -19.31       |

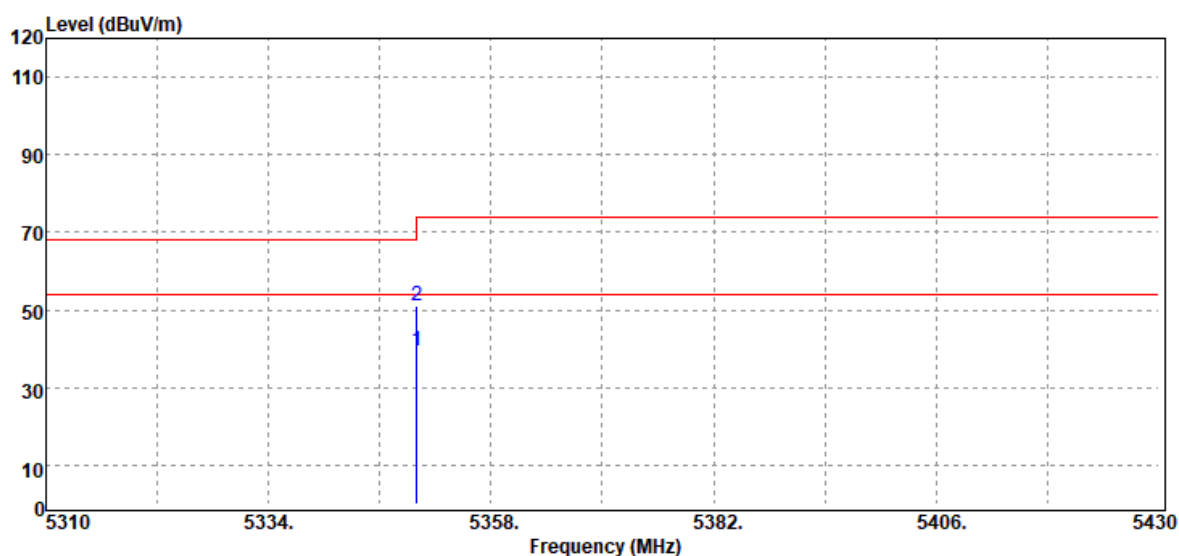
|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | I EEE 802.11ac VHT80 / 5210MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average               |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5150.00            | Average                      | 32.96                             | 5.58         | 38.54                  | 54.00                  | -15.46       |
| 5150.00            | Peak                         | 44.62                             | 5.58         | 50.20                  | 74.00                  | -23.80       |

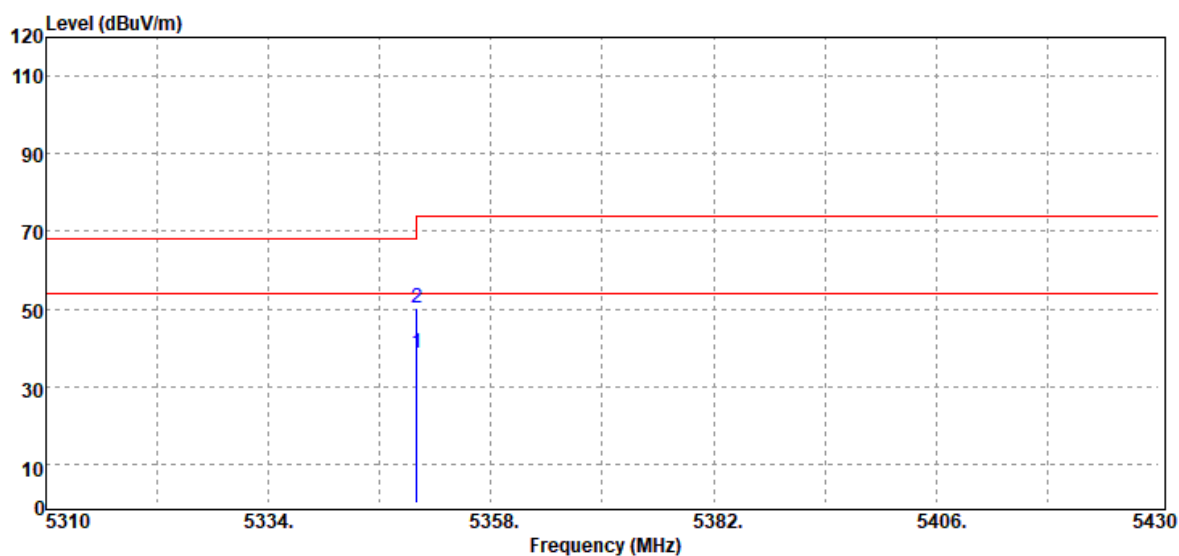
### Test Data for UNII-2a

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5320 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge               | Test Date     | April 6, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average        |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00            | Average                      | 33.54                             | 5.82         | 39.36                  | 54.00                  | -14.64       |
| 5350.00            | Peak                         | 45.23                             | 5.82         | 51.05                  | 74.00                  | -22.95       |

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5320 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge               | Test Date     | April 6, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average        |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00            | Average                      | 32.94                             | 5.82         | 38.76                  | 54.00                  | -15.24       |
| 5350.00            | Peak                         | 44.55                             | 5.82         | 50.37                  | 74.00                  | -23.63       |

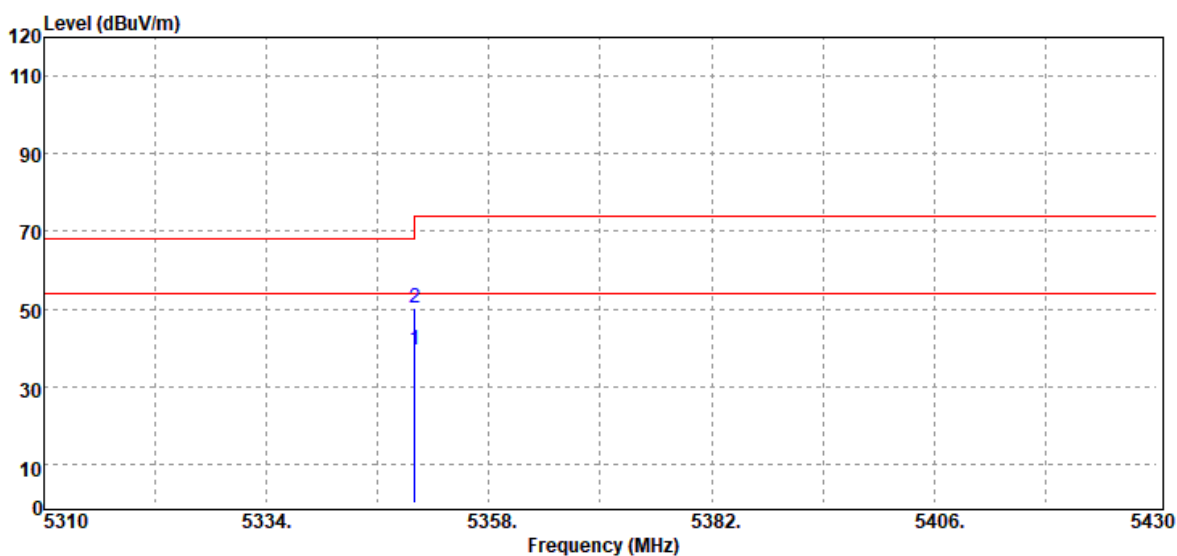


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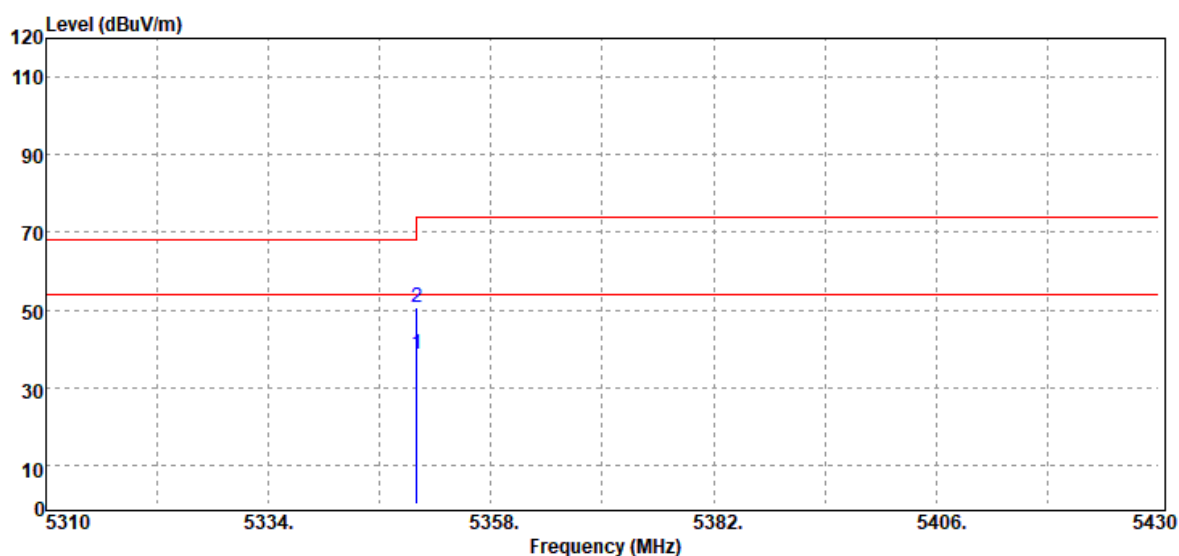
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|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5320MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



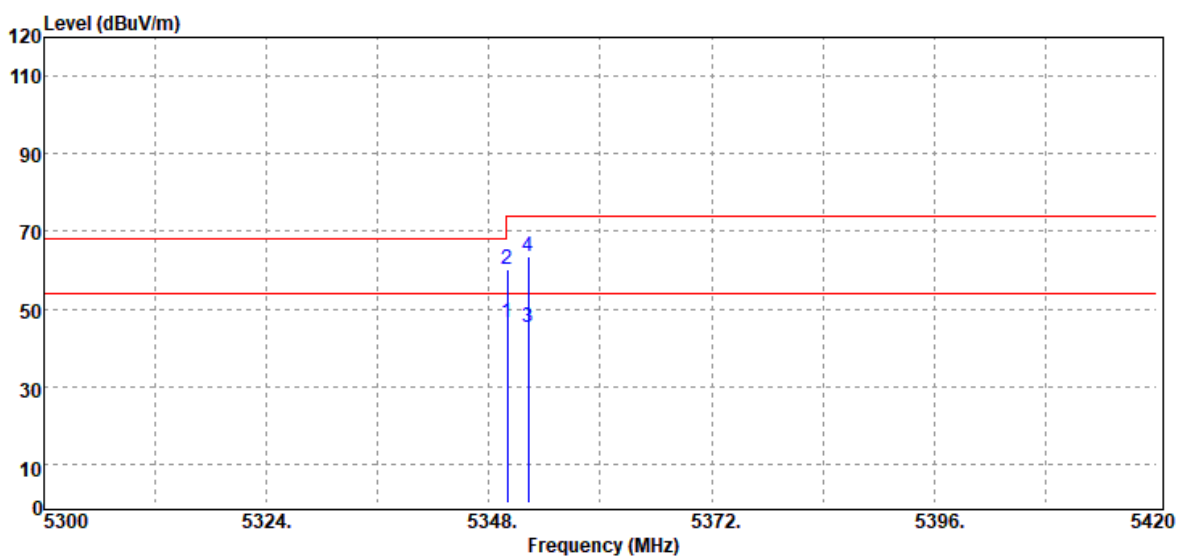
| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dB $\mu$ V | Factor dB | Actual FS dB $\mu$ V/m | Limit @3m dB $\mu$ V/m | Margin dB |
|-----------------|------------------------|-----------------------------------|-----------|------------------------|------------------------|-----------|
| 5350.00         | Average                | 33.61                             | 5.82      | 39.43                  | 54.00                  | -14.57    |
| 5350.00         | Peak                   | 44.23                             | 5.82      | 50.05                  | 74.00                  | -23.95    |

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5320MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



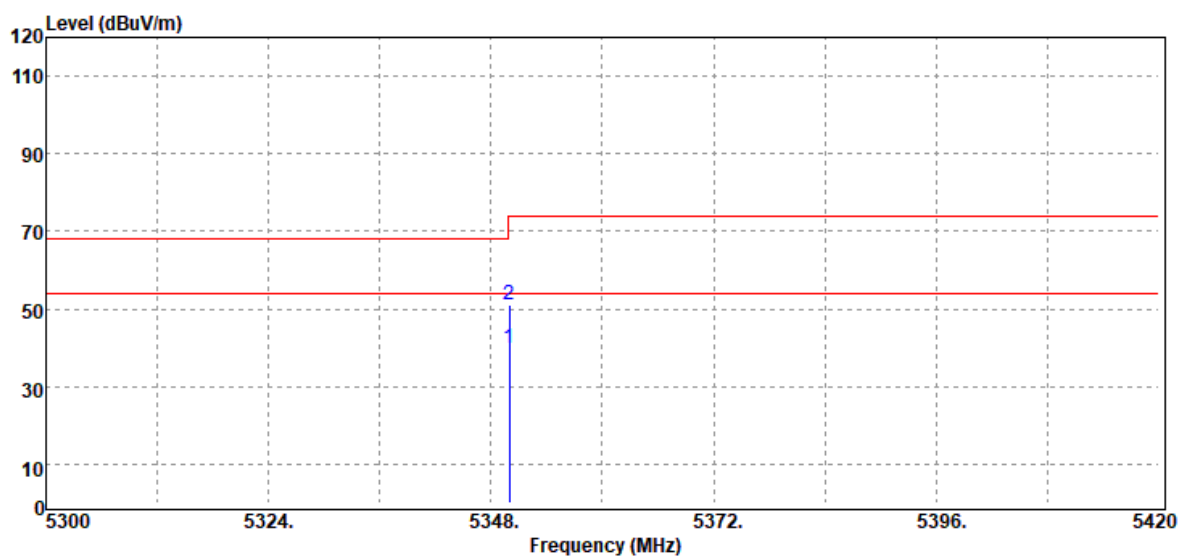
| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|-----------------|------------------------|-----------------------------|-----------|------------------|------------------|-----------|
| 5350.00         | Average                | 32.92                       | 5.82      | 38.74            | 54.00            | -15.26    |
| 5350.00         | Peak                   | 44.96                       | 5.82      | 50.78            | 74.00            | -23.22    |

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5310MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



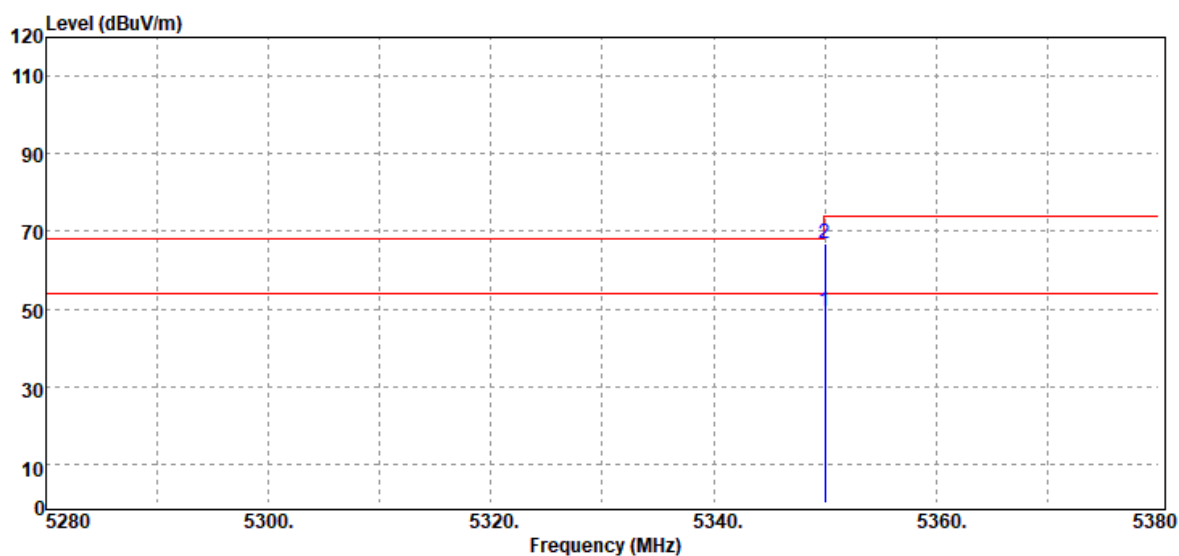
| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|-----------------|------------------------|-----------------------------|-----------|------------------|------------------|-----------|
| 5350.00         | Average                | 40.52                       | 5.82      | 46.34            | 54.00            | -7.66     |
| 5350.00         | Peak                   | 54.20                       | 5.82      | 60.02            | 74.00            | -13.98    |
| 5352.20         | Average                | 39.56                       | 5.83      | 45.39            | 54.00            | -8.61     |
| 5352.20         | Peak                   | 57.87                       | 5.83      | 63.70            | 74.00            | -10.30    |

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5310MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



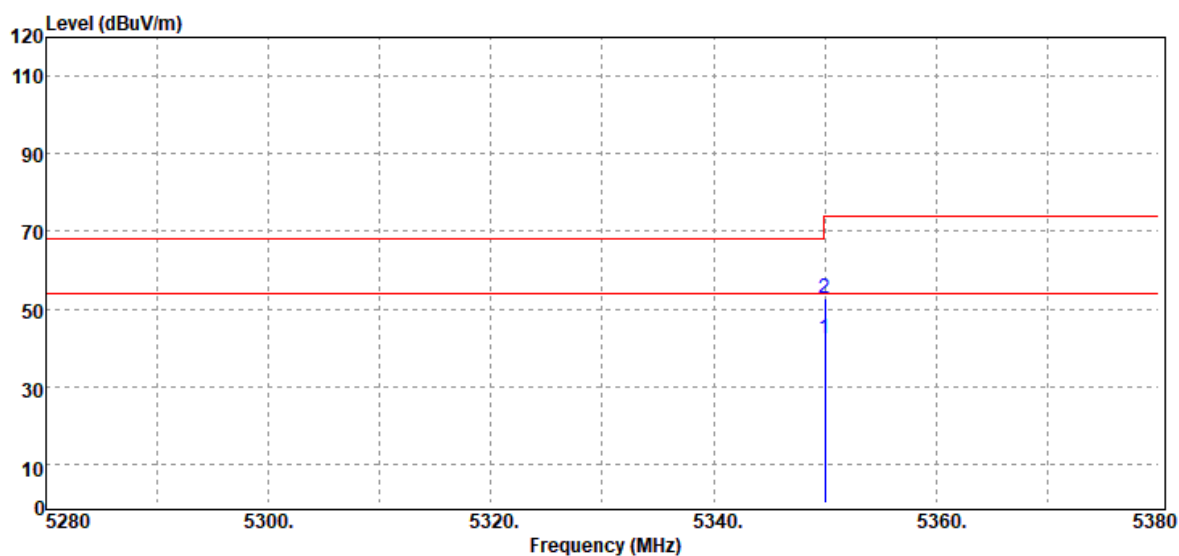
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00            | Average                      | 34.21                             | 5.82         | 40.03                  | 54.00                  | -13.97       |
| 5350.00            | Peak                         | 45.37                             | 5.82         | 51.19                  | 74.00                  | -22.81       |

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5290MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00            | Average                      | 43.73                             | 5.82         | 49.55                  | 54.00                  | -4.45        |
| 5350.00            | Peak                         | 60.86                             | 5.82         | 66.68                  | 74.00                  | -7.32        |

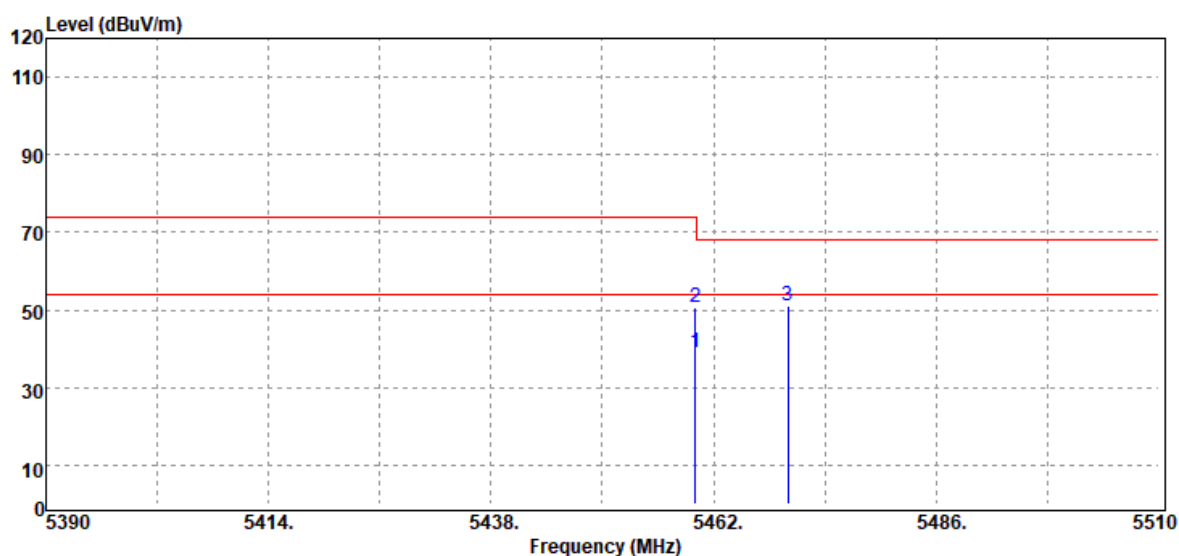
|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5290MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5350.00            | Average                      | 36.70                             | 5.82         | 42.52                  | 54.00                  | -11.48       |
| 5350.00            | Peak                         | 46.97                             | 5.82         | 52.79                  | 74.00                  | -21.21       |

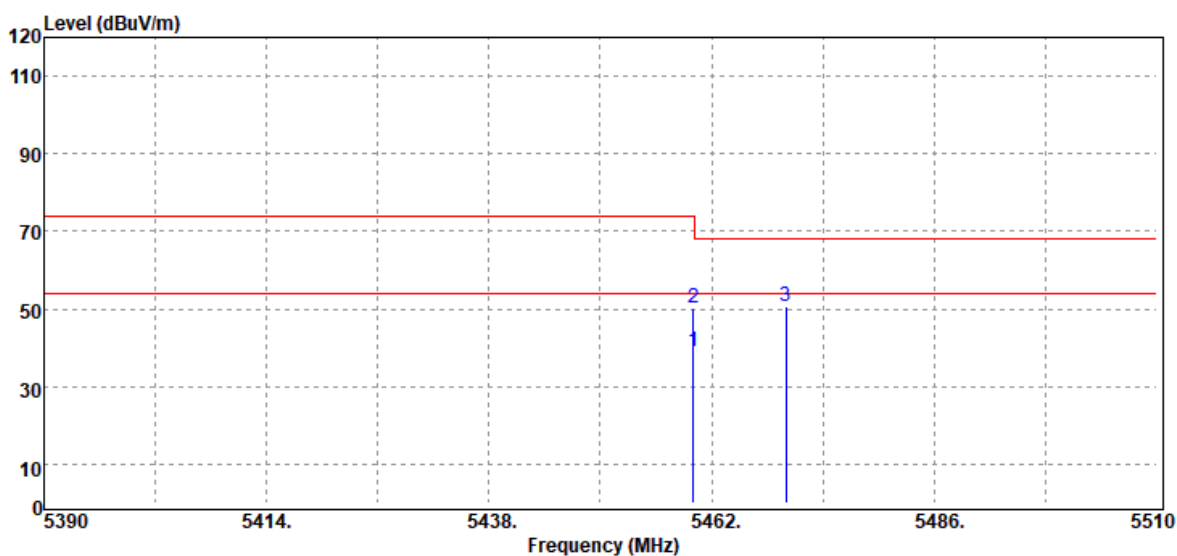
### Test Data for UNII-2c

|           |                        |               |                 |
|-----------|------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5500MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge              | Test Date     | April 6, 2020   |
| Polarize  | Vertical               | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average       |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 5460.00            | Average                      | 33.05                                   | 6.11         | 39.16                        | 54.00                        | -14.84       |
| 5460.00            | Peak                         | 44.41                                   | 6.11         | 50.52                        | 74.00                        | -23.48       |
| 5470.00            | Peak                         | 44.94                                   | 6.14         | 51.08                        | 68.20                        | -17.12       |

|           |                        |               |                 |
|-----------|------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5500MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge              | Test Date     | April 6, 2020   |
| Polarize  | Horizontal             | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average       |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 5460.00            | Average                      | 32.94                                   | 6.11         | 39.05                        | 54.00                        | -14.95       |
| 5460.00            | Peak                         | 44.27                                   | 6.11         | 50.38                        | 74.00                        | -23.62       |
| 5470.00            | Peak                         | 44.54                                   | 6.14         | 50.68                        | 68.20                        | -17.52       |

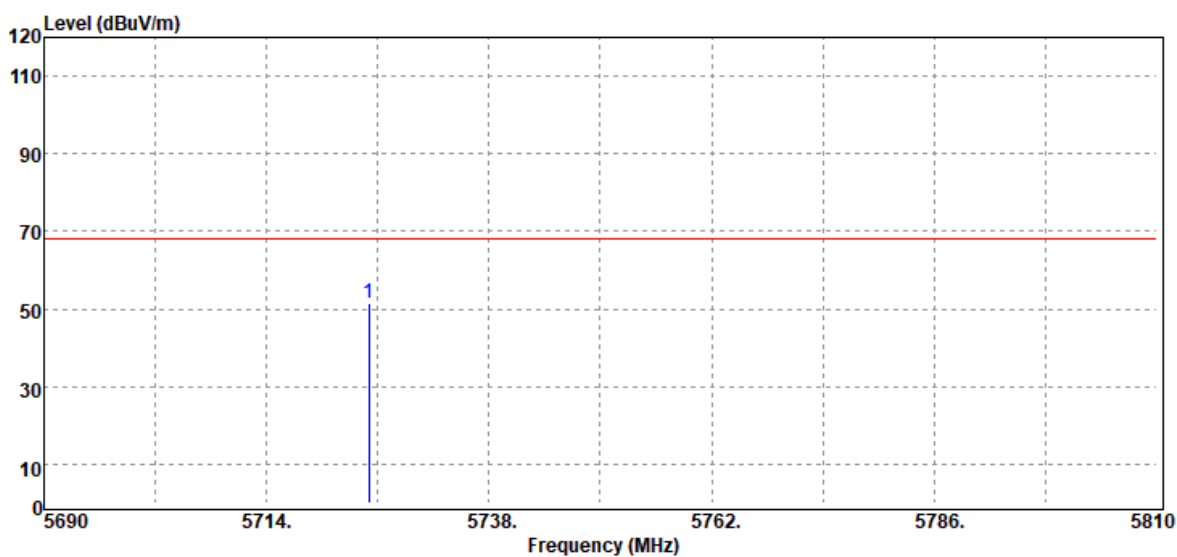


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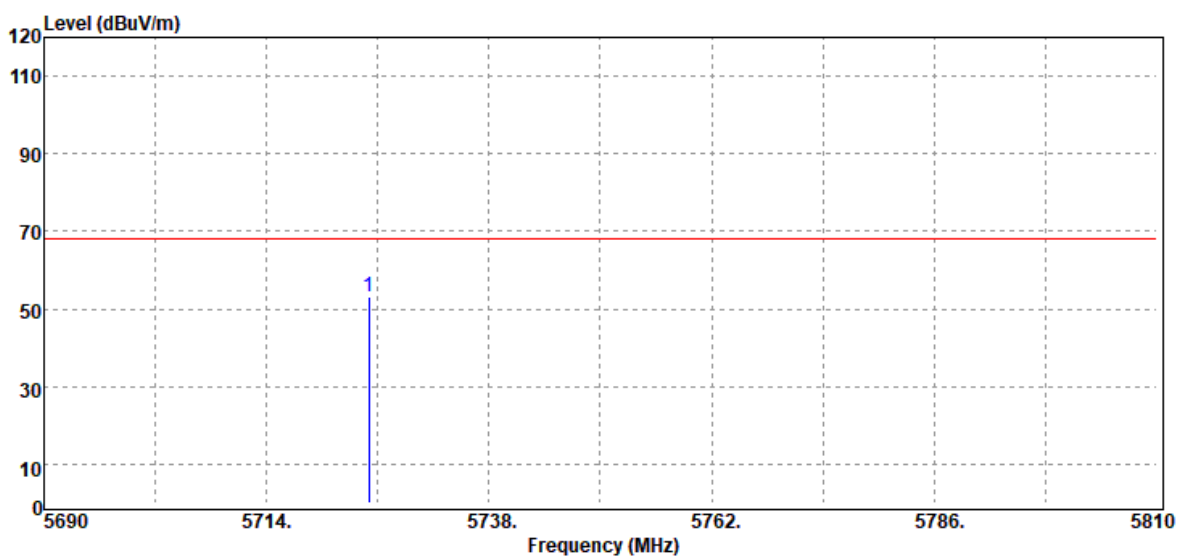
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|           |                            |               |                 |
|-----------|----------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a /<br>5700 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                  | Test Date     | April 6, 2020   |
| Polarize  | Vertical                   | Test Engineer | Jerry Chang     |
| Detector  | Peak                       |               |                 |



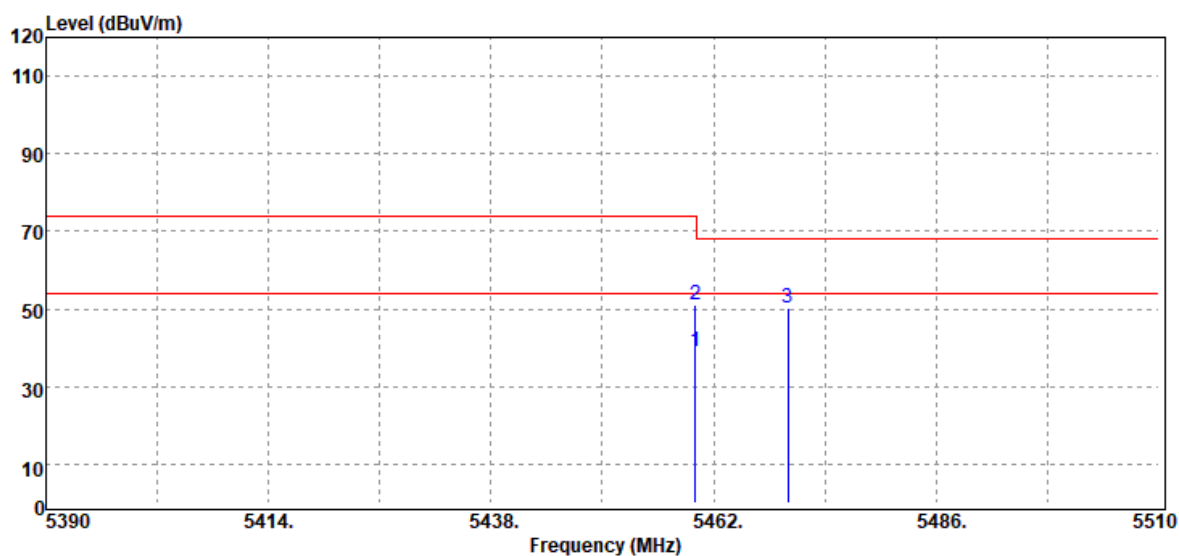
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 5725.00            | Peak                         | 44.58                                   | 6.98         | 51.56                        | 68.20                        | -16.64       |

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5700 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge               | Test Date     | April 6, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |



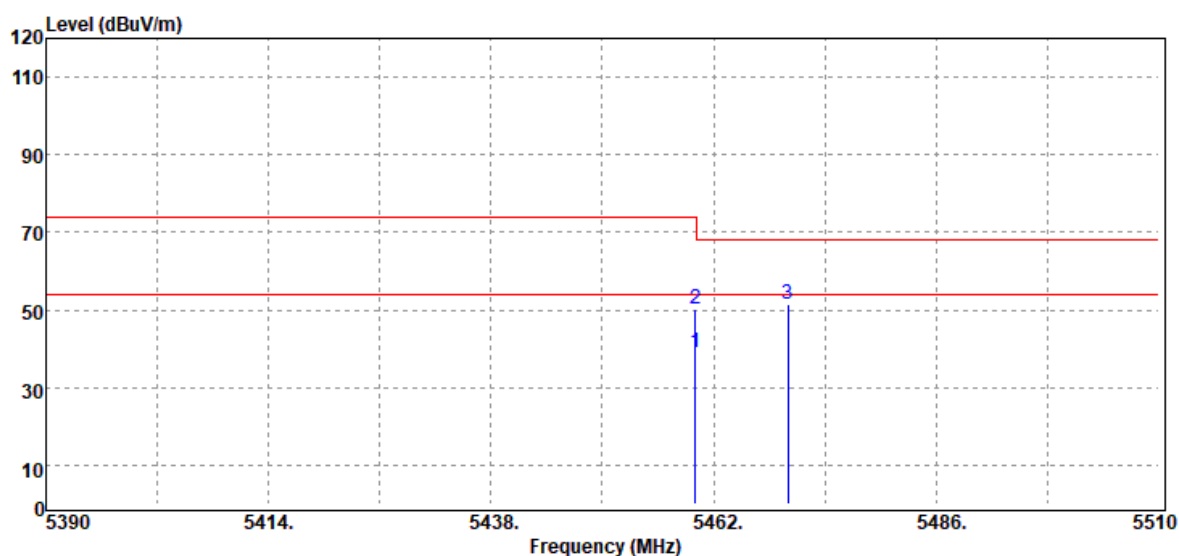
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.00            | Peak                         | 46.15                             | 6.98         | 53.13                  | 68.20                  | -15.07       |

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5500MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|-----------------|------------------------|-----------------------------|-----------|------------------|------------------|-----------|
| 5460.00         | Average                | 33.01                       | 6.11      | 39.12            | 54.00            | -14.88    |
| 5460.00         | Peak                   | 44.79                       | 6.11      | 50.90            | 74.00            | -23.10    |
| 5470.00         | Peak                   | 44.06                       | 6.14      | 50.20            | 68.20            | -18.00    |

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5500MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                     | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average              |               |                 |



| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|-----------------|------------------------|-----------------------------|-----------|------------------|------------------|-----------|
| 5460.00         | Average                | 32.92                       | 6.11      | 39.03            | 54.00            | -14.97    |
| 5460.00         | Peak                   | 44.14                       | 6.11      | 50.25            | 74.00            | -23.75    |
| 5470.00         | Peak                   | 45.41                       | 6.14      | 51.55            | 68.20            | -16.65    |

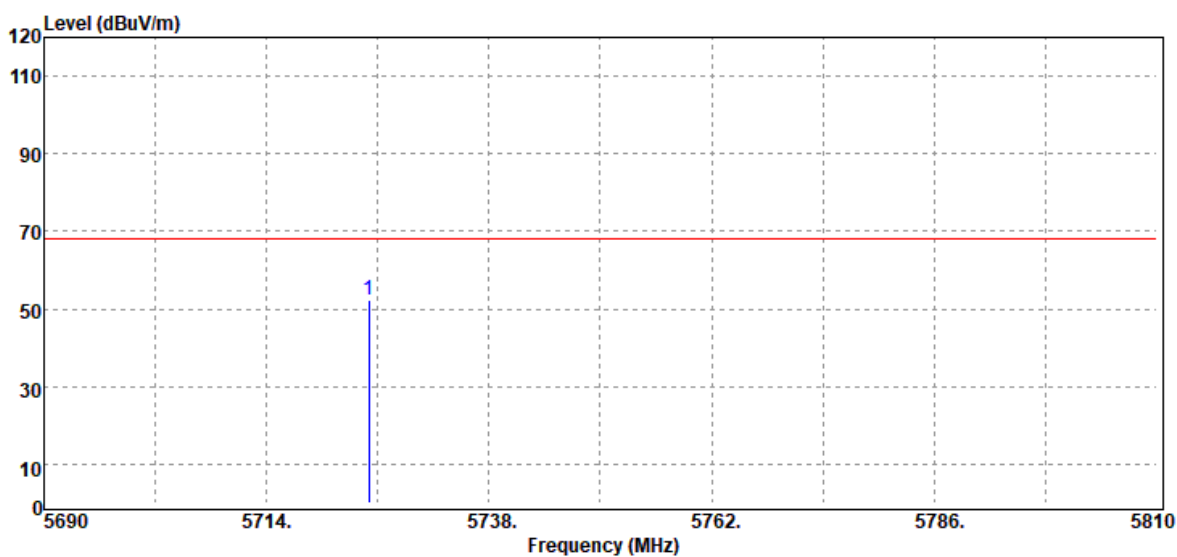


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|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5700 MHz | Temperature   | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dB $\mu$ V | Factor dB | Actual FS dB $\mu$ V/m | Limit @3m dB $\mu$ V/m | Margin dB |
|-----------------|------------------------|-----------------------------------|-----------|------------------------|------------------------|-----------|
| 5725.00         | Peak                   | 45.21                             | 6.98      | 52.19                  | 68.20                  | -16.01    |

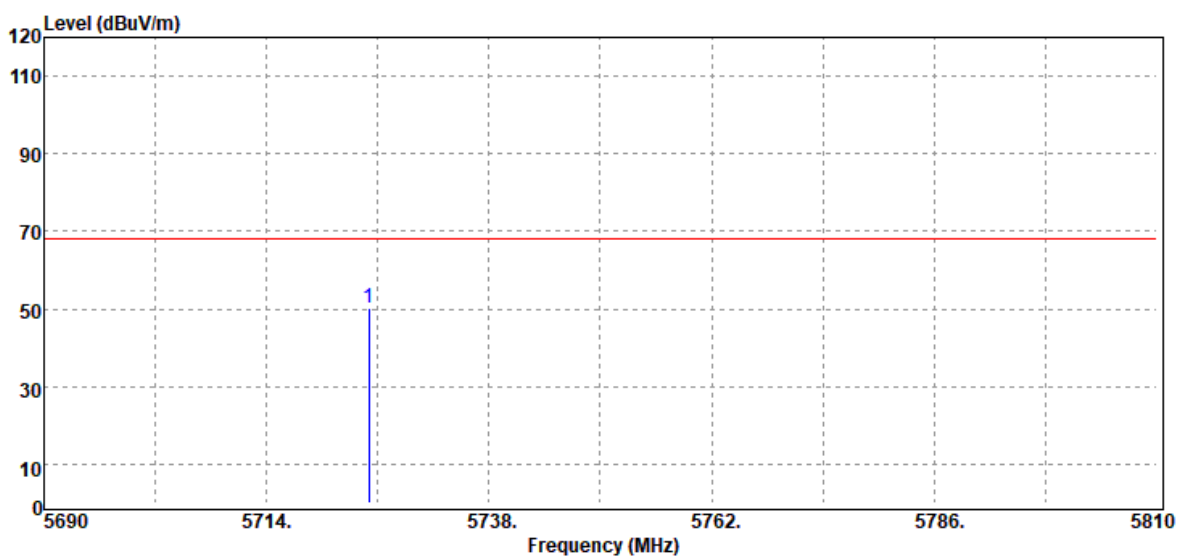


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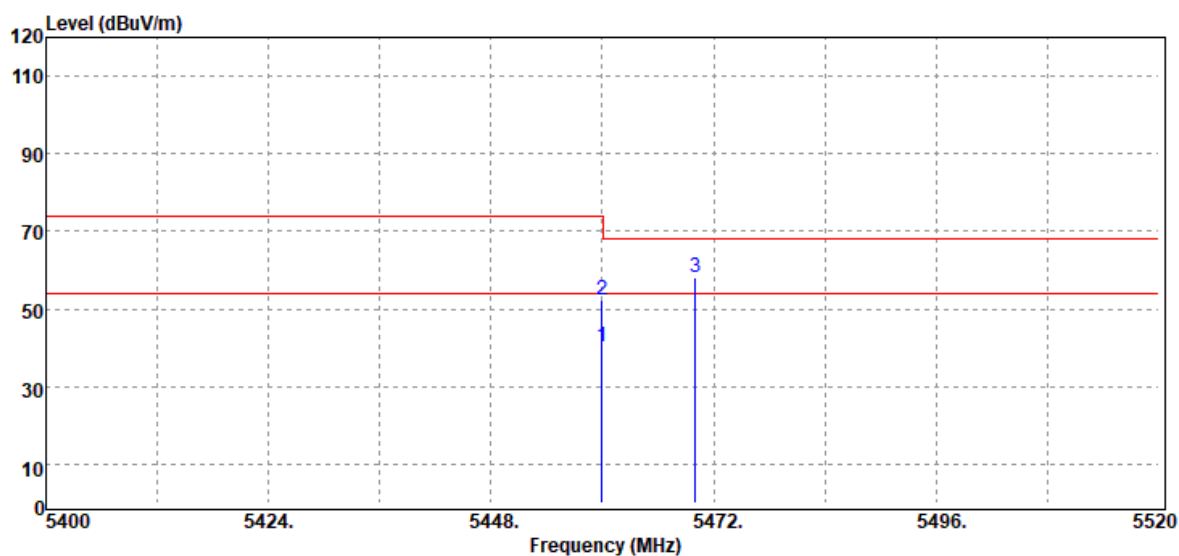
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|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5700 MHz | Temperature   | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



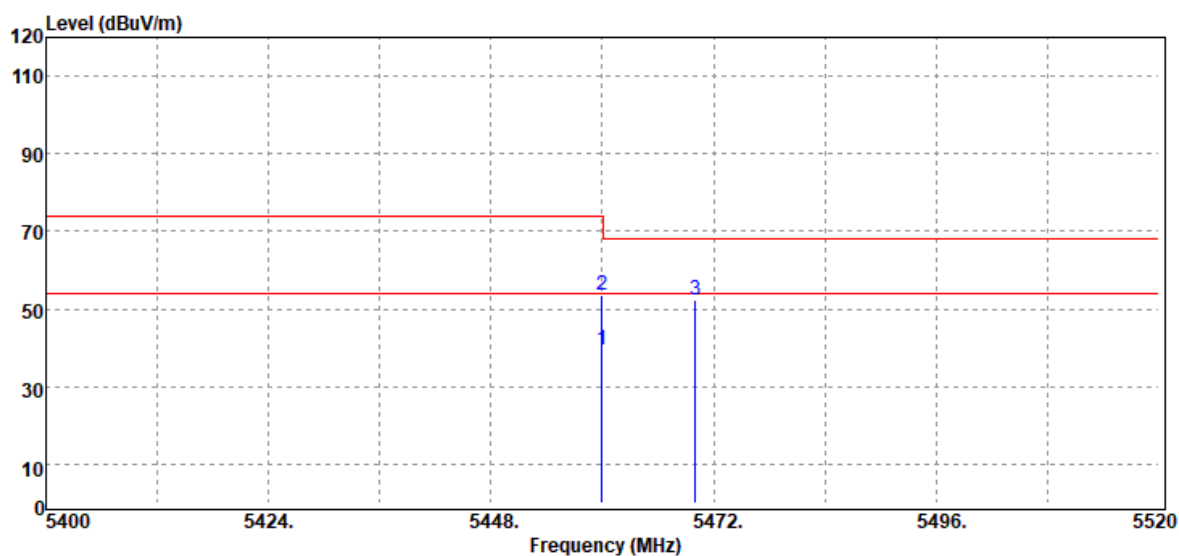
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 5725.00            | Peak                         | 43.26                                   | 6.98         | 50.24                        | 68.20                        | -17.96       |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5510 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average               |               |                 |



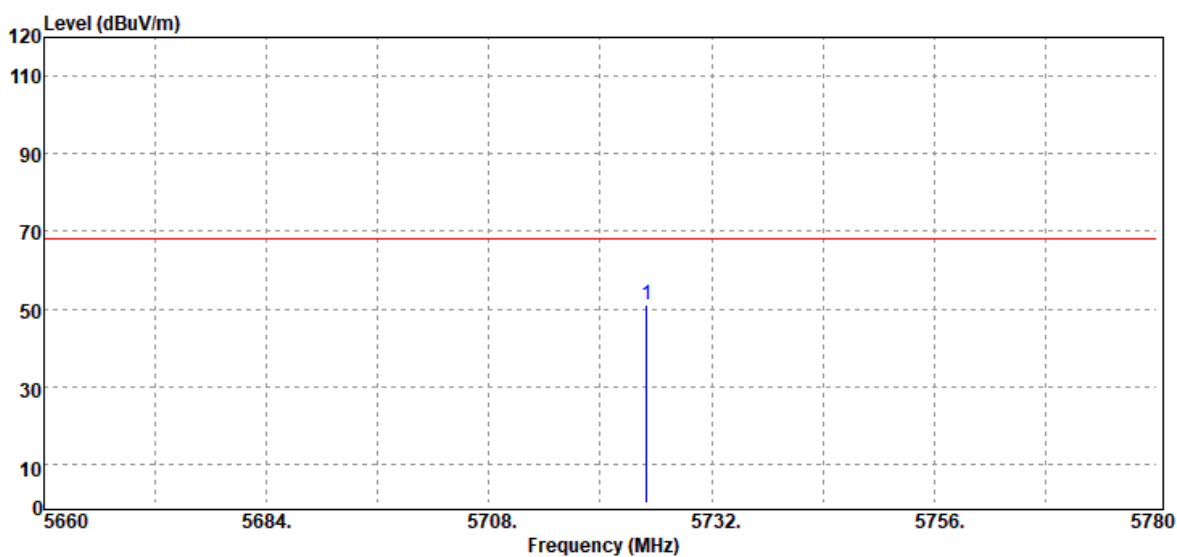
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5460.00            | Average                      | 33.97                             | 6.11         | 40.08                  | 54.00                  | -13.92       |
| 5460.00            | Peak                         | 46.40                             | 6.11         | 52.51                  | 74.00                  | -21.49       |
| 5470.00            | Peak                         | 51.84                             | 6.14         | 57.98                  | 68.20                  | -10.22       |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5510 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average               |               |                 |



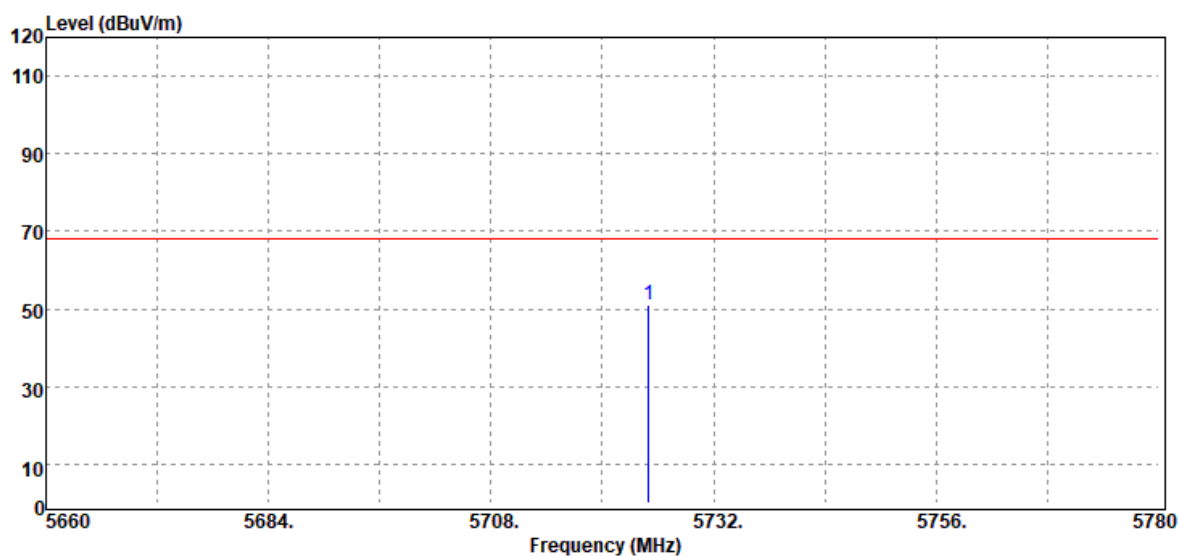
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5460.00            | Average                      | 33.15                             | 6.11         | 39.26                  | 54.00                  | -14.74       |
| 5460.00            | Peak                         | 47.41                             | 6.11         | 53.52                  | 74.00                  | -20.48       |
| 5470.00            | Peak                         | 46.05                             | 6.14         | 52.19                  | 68.20                  | -16.01       |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5670 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



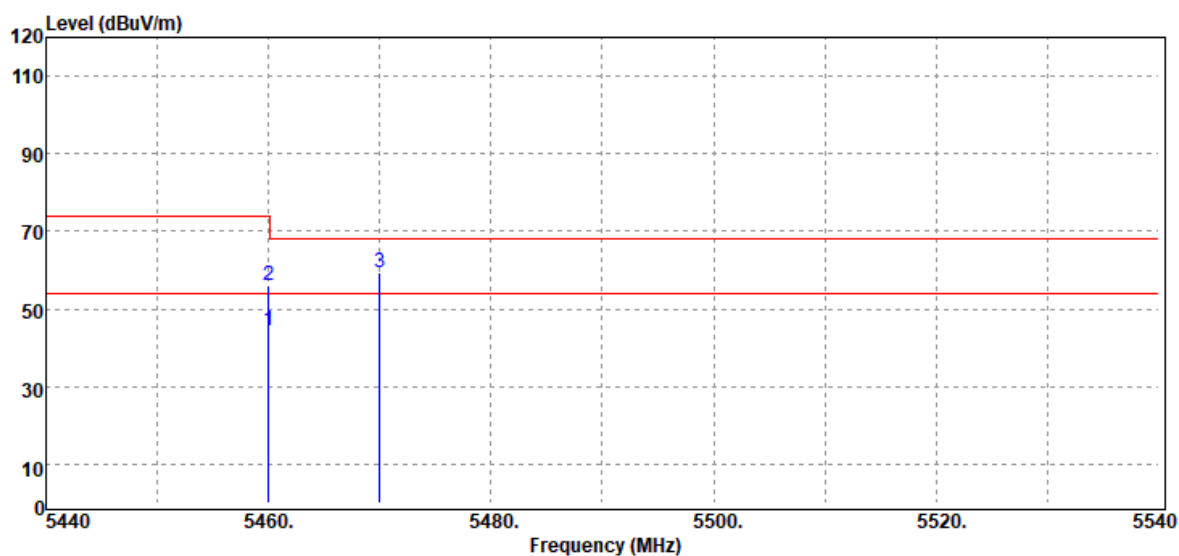
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.00            | Peak                         | 44.05                             | 6.98         | 51.03                  | 68.20                  | -17.17       |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5670 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



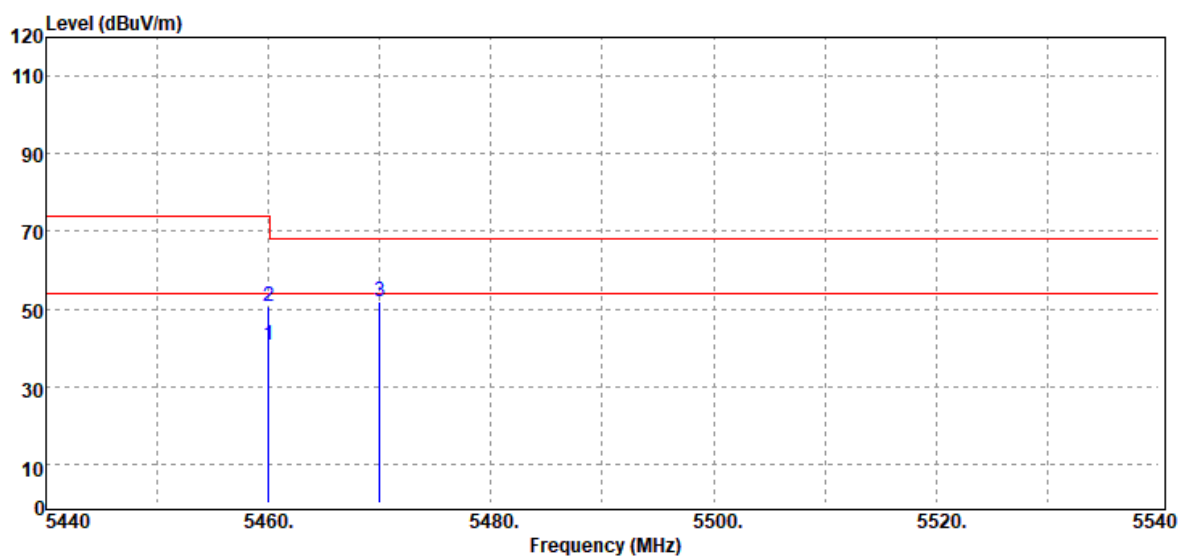
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5725.00            | Peak                         | 44.21                             | 6.98         | 51.19                  | 68.20                  | -17.01       |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5530 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average               |               |                 |



| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|-----------------|------------------------|-----------------------------|-----------|------------------|------------------|-----------|
| 5460.00         | Average                | 38.16                       | 6.11      | 44.27            | 54.00            | -9.73     |
| 5460.00         | Peak                   | 50.03                       | 6.11      | 56.14            | 74.00            | -17.86    |
| 5470.00         | Peak                   | 53.29                       | 6.14      | 59.43            | 68.20            | -8.77     |

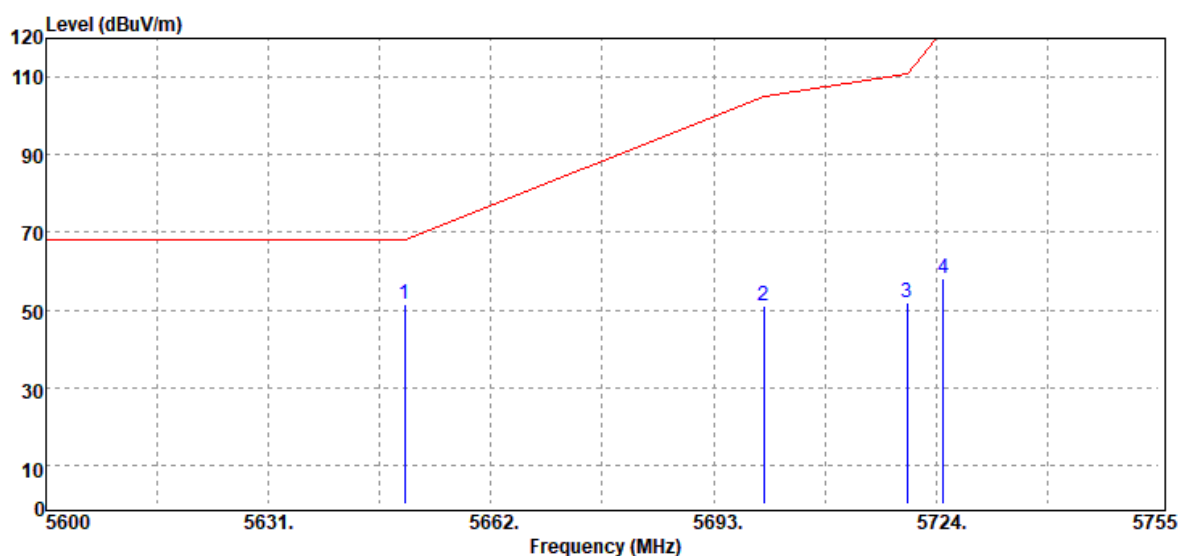
|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5530 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak and Average               |               |                 |



| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|-----------------|------------------------|-----------------------------|-----------|------------------|------------------|-----------|
| 5460.00         | Average                | 34.58                       | 6.11      | 40.69            | 54.00            | -13.31    |
| 5460.00         | Peak                   | 44.50                       | 6.11      | 50.61            | 74.00            | -23.39    |
| 5470.00         | Peak                   | 45.65                       | 6.14      | 51.79            | 68.20            | -16.41    |

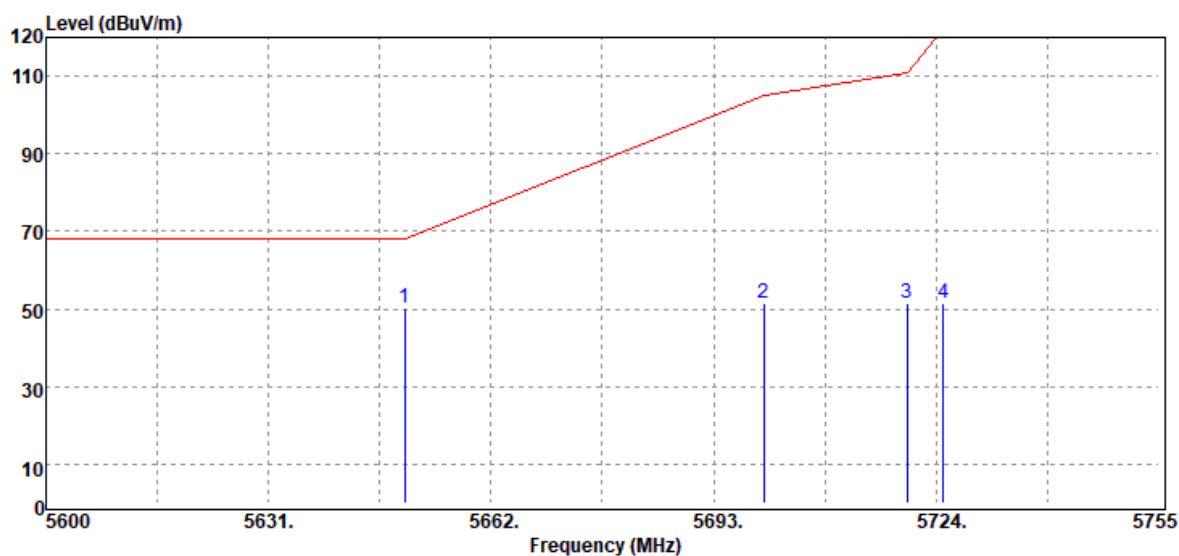
### Test Data for UNII-3

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge               | Test Date     | April 6, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |



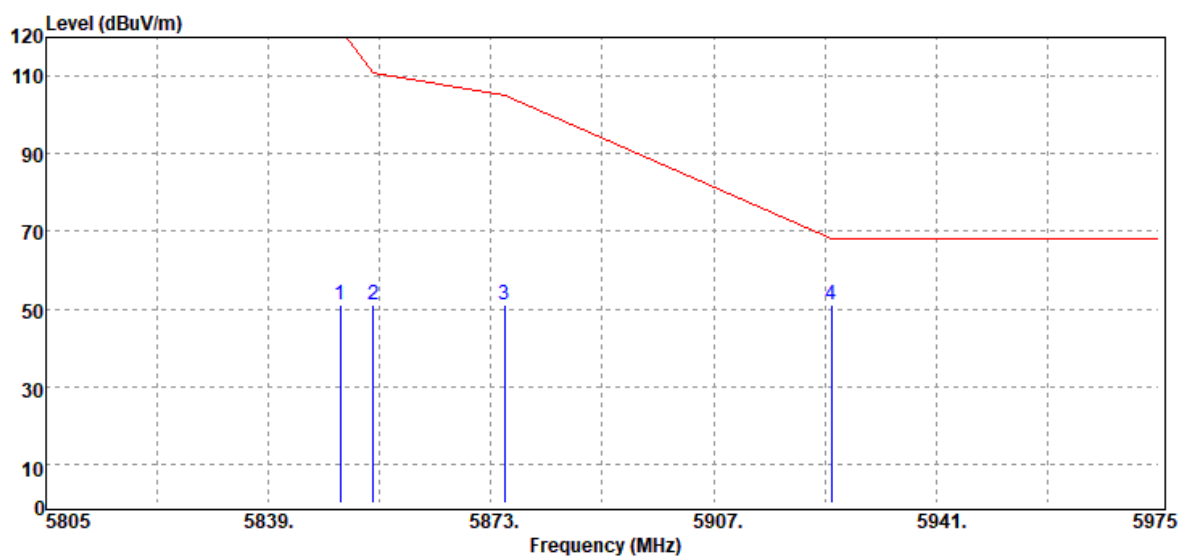
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5650.00            | Peak                         | 44.86                             | 6.61         | 51.47                  | 68.20                  | -16.73       |
| 5700.00            | Peak                         | 44.11                             | 6.92         | 51.03                  | 105.20                 | -54.17       |
| 5720.00            | Peak                         | 44.73                             | 6.97         | 51.70                  | 110.80                 | -59.10       |
| 5725.00            | Peak                         | 51.18                             | 6.98         | 58.16                  | 122.20                 | -64.04       |

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge               | Test Date     | April 6, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |



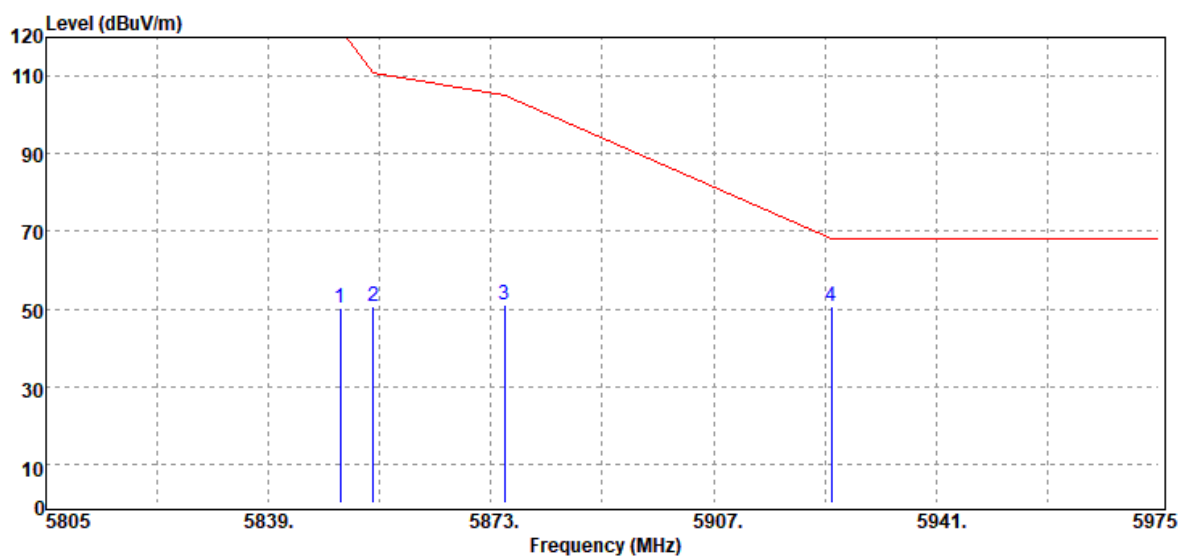
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5650.00            | Peak                         | 43.78                             | 6.61         | 50.39                  | 68.20                  | -17.81       |
| 5700.00            | Peak                         | 44.62                             | 6.92         | 51.54                  | 105.20                 | -53.66       |
| 5720.00            | Peak                         | 44.56                             | 6.97         | 51.53                  | 110.80                 | -59.27       |
| 5725.00            | Peak                         | 44.30                             | 6.98         | 51.28                  | 122.20                 | -70.92       |

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge               | Test Date     | April 6, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |



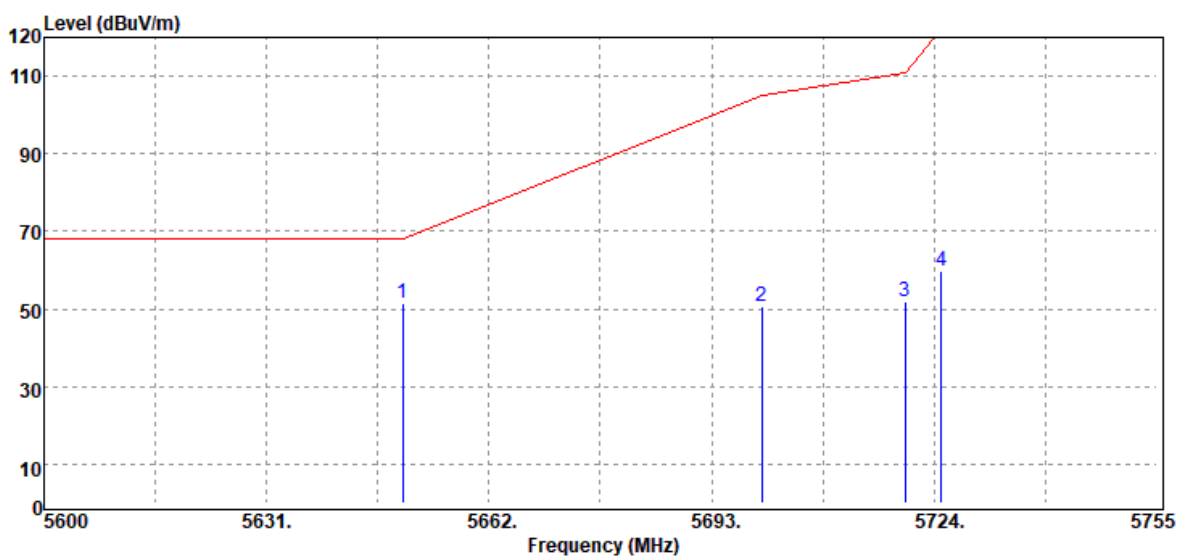
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00            | Peak                         | 44.07                             | 7.11         | 51.18                  | 122.20                 | -71.02       |
| 5855.00            | Peak                         | 43.86                             | 7.11         | 50.97                  | 110.80                 | -59.83       |
| 5875.00            | Peak                         | 43.88                             | 7.10         | 50.98                  | 105.20                 | -54.22       |
| 5925.00            | Peak                         | 44.02                             | 7.12         | 51.14                  | 68.20                  | -17.06       |

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge               | Test Date     | April 6, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |



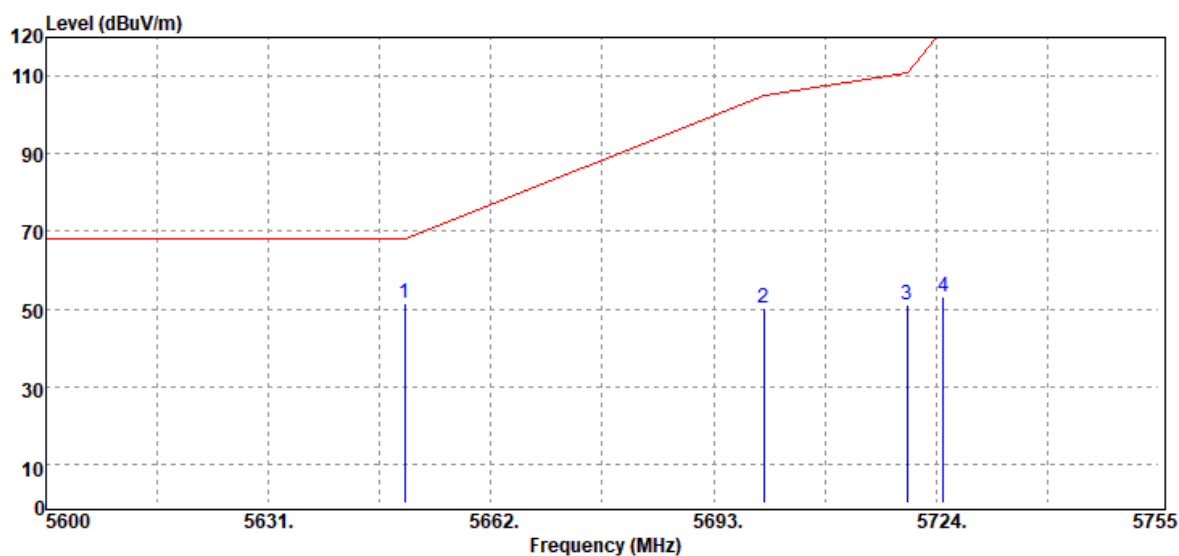
| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dB $\mu$ V | Factor dB | Actual FS dB $\mu$ V/m | Limit @3m dB $\mu$ V/m | Margin dB |
|-----------------|------------------------|-----------------------------------|-----------|------------------------|------------------------|-----------|
| 5850.00         | Peak                   | 43.20                             | 7.11      | 50.31                  | 122.20                 | -71.89    |
| 5855.00         | Peak                   | 43.59                             | 7.11      | 50.70                  | 110.80                 | -60.10    |
| 5875.00         | Peak                   | 44.02                             | 7.10      | 51.12                  | 105.20                 | -54.08    |
| 5925.00         | Peak                   | 43.64                             | 7.12      | 50.76                  | 68.20                  | -17.44    |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5745 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



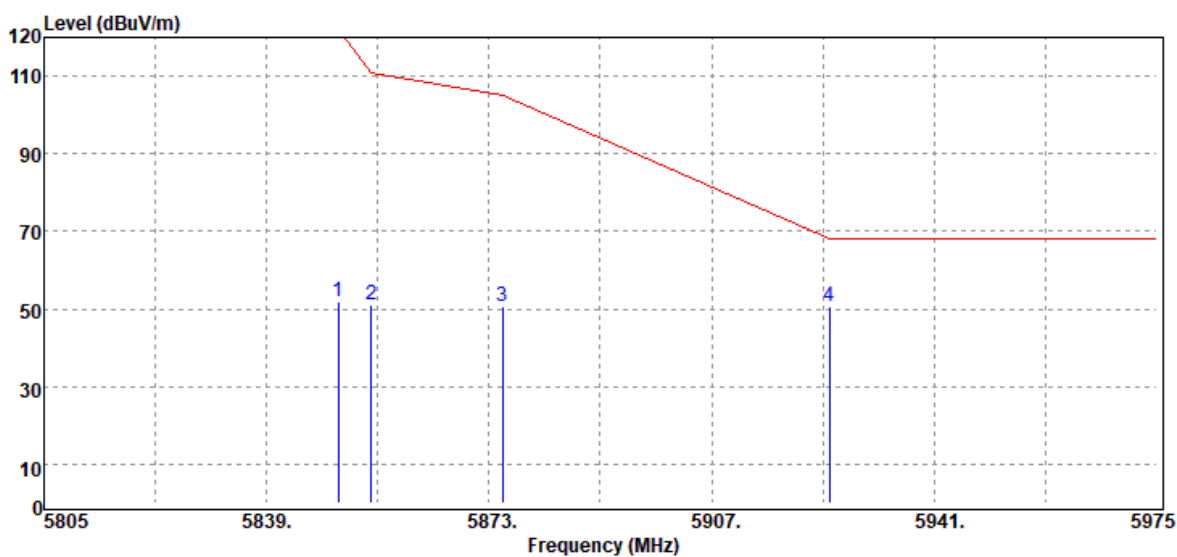
| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|-----------------|------------------------|-----------------------------|-----------|------------------|------------------|-----------|
| 5650.00         | Peak                   | 44.71                       | 6.61      | 51.32            | 68.20            | -16.88    |
| 5700.00         | Peak                   | 43.90                       | 6.92      | 50.82            | 105.20           | -54.38    |
| 5720.00         | Peak                   | 44.81                       | 6.97      | 51.78            | 110.80           | -59.02    |
| 5725.00         | Peak                   | 52.78                       | 6.98      | 59.76            | 122.20           | -62.44    |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5745 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



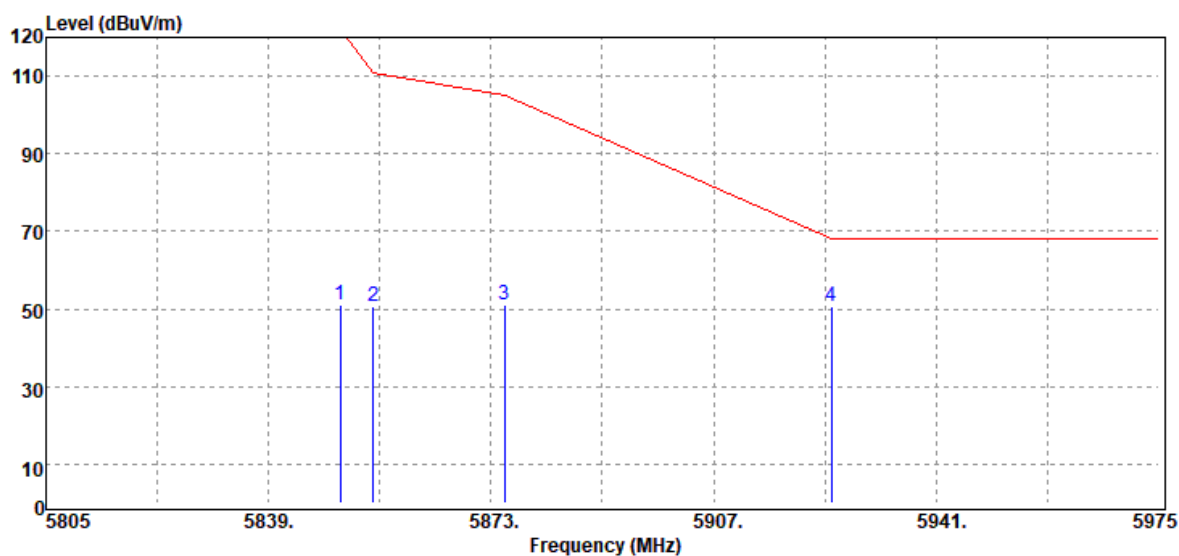
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5650.00            | Peak                         | 44.72                             | 6.61         | 51.33                  | 68.20                  | -16.87       |
| 5700.00            | Peak                         | 43.44                             | 6.92         | 50.36                  | 105.20                 | -54.84       |
| 5720.00            | Peak                         | 44.06                             | 6.97         | 51.03                  | 110.80                 | -59.77       |
| 5725.00            | Peak                         | 46.04                             | 6.98         | 53.02                  | 122.20                 | -69.18       |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5825 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



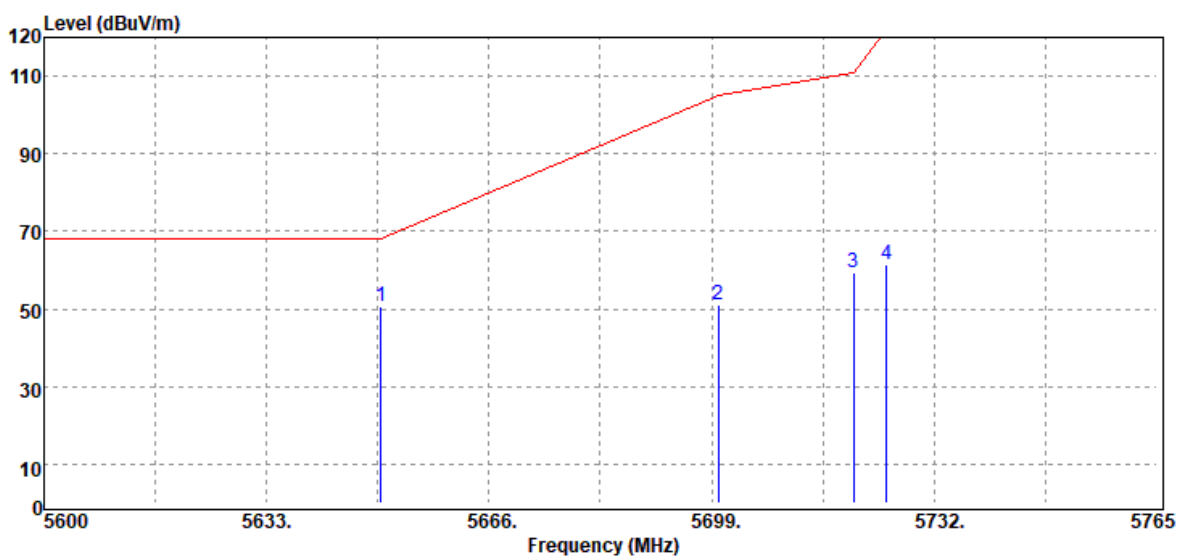
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00            | Peak                         | 44.80                             | 7.11         | 51.91                  | 122.20                 | -70.29       |
| 5855.00            | Peak                         | 43.81                             | 7.11         | 50.92                  | 110.80                 | -59.88       |
| 5875.00            | Peak                         | 43.74                             | 7.10         | 50.84                  | 105.20                 | -54.36       |
| 5925.00            | Peak                         | 43.51                             | 7.12         | 50.63                  | 68.20                  | -17.57       |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5825 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



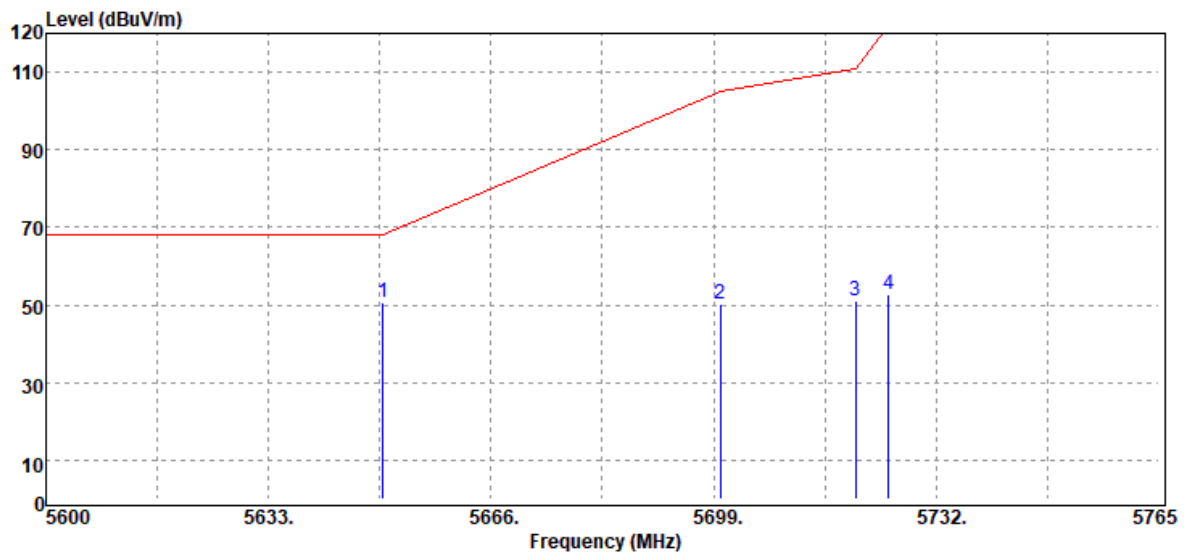
| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dB $\mu$ V | Factor dB | Actual FS dB $\mu$ V/m | Limit @3m dB $\mu$ V/m | Margin dB |
|-----------------|------------------------|-----------------------------------|-----------|------------------------|------------------------|-----------|
| 5850.00         | Peak                   | 43.85                             | 7.11      | 50.96                  | 122.20                 | -71.24    |
| 5855.00         | Peak                   | 43.72                             | 7.11      | 50.83                  | 110.80                 | -59.97    |
| 5875.00         | Peak                   | 43.95                             | 7.10      | 51.05                  | 105.20                 | -54.15    |
| 5925.00         | Peak                   | 43.44                             | 7.12      | 50.56                  | 68.20                  | -17.64    |

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5755 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                        | Test Date     | April 6, 2020   |
| Polarize  | Vertical                         | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |



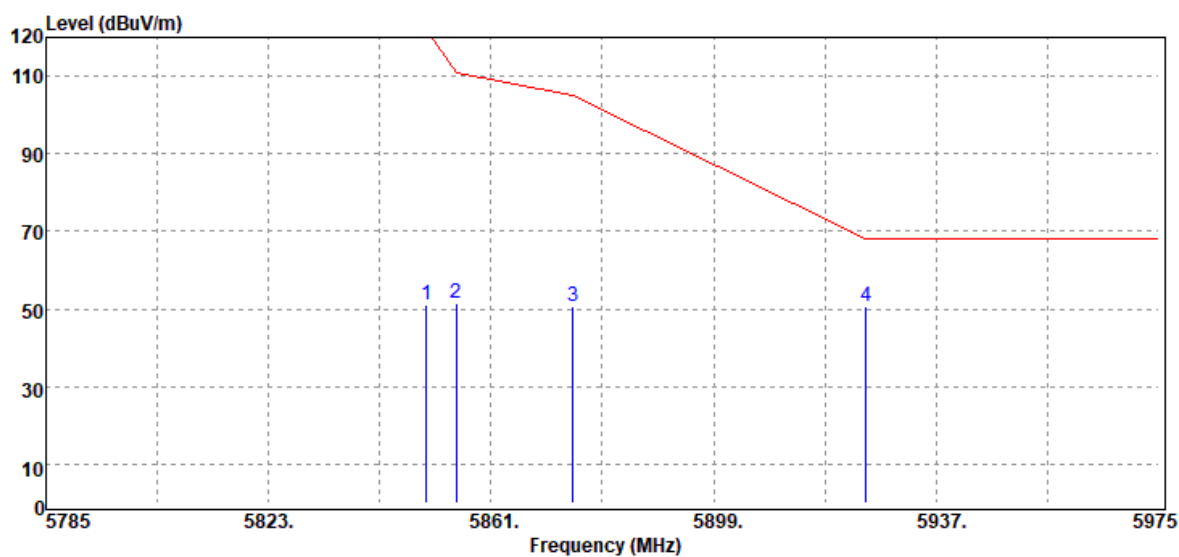
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5650.00            | Peak                         | 44.16                             | 6.61         | 50.77                  | 68.20                  | -17.43       |
| 5700.00            | Peak                         | 44.29                             | 6.92         | 51.21                  | 105.20                 | -53.99       |
| 5720.00            | Peak                         | 52.47                             | 6.97         | 59.44                  | 110.80                 | -51.36       |
| 5725.00            | Peak                         | 54.52                             | 6.98         | 61.50                  | 122.20                 | -60.70       |

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5755 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                        | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |



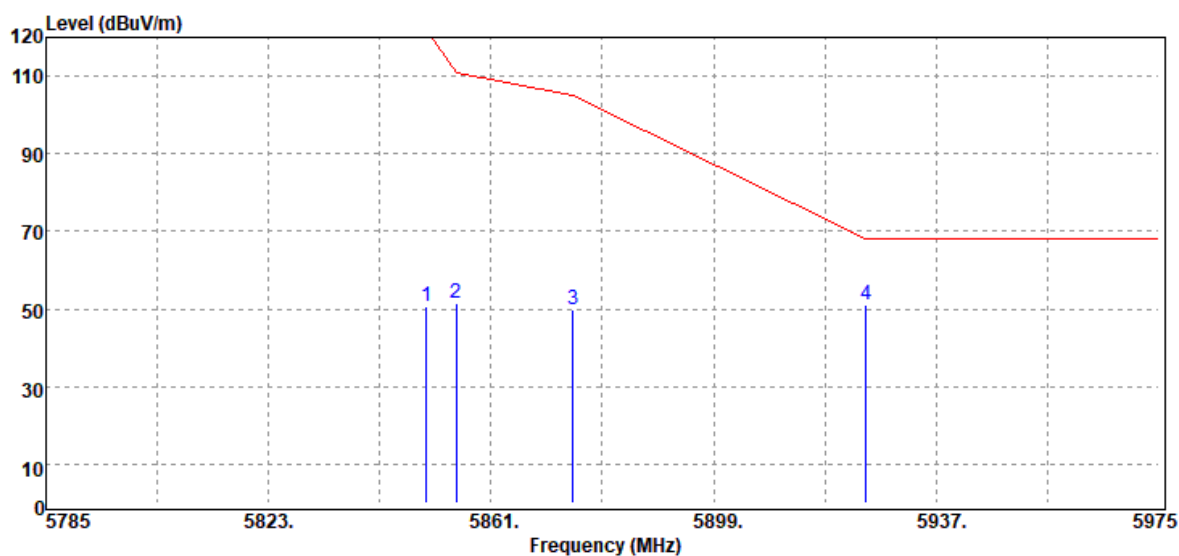
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5650.00            | Peak                         | 44.05                             | 6.61         | 50.66                  | 68.20                  | -17.54       |
| 5700.00            | Peak                         | 43.37                             | 6.92         | 50.29                  | 105.20                 | -54.91       |
| 5720.00            | Peak                         | 43.91                             | 6.97         | 50.88                  | 110.80                 | -59.92       |
| 5725.00            | Peak                         | 45.63                             | 6.98         | 52.61                  | 122.20                 | -69.59       |

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5795 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                        | Test Date     | April 6, 2020   |
| Polarize  | Vertical                         | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |



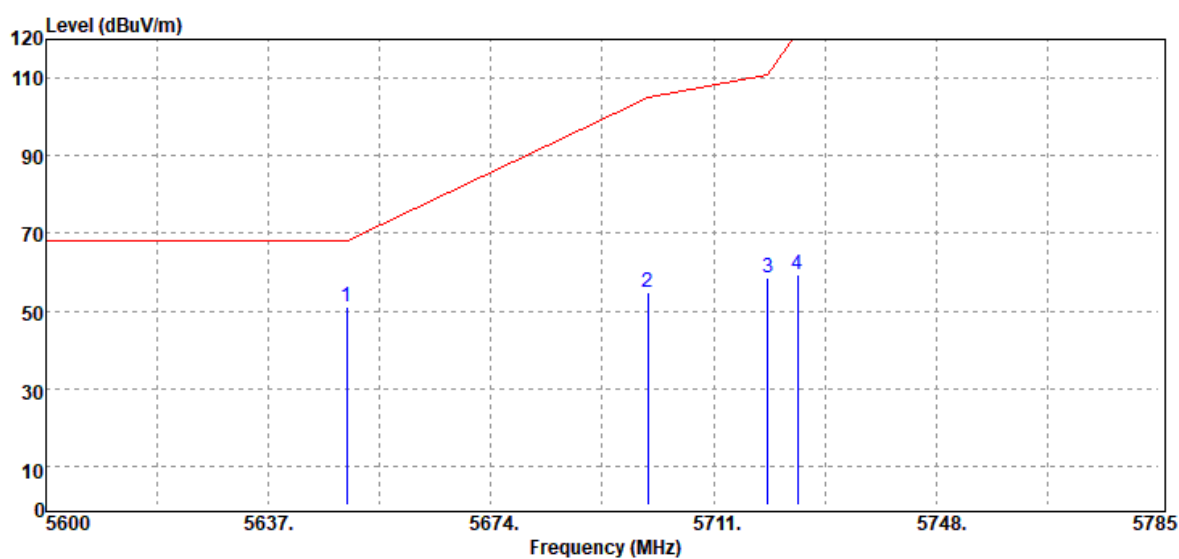
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00            | Peak                         | 43.77                             | 7.11         | 50.88                  | 122.20                 | -71.32       |
| 5855.00            | Peak                         | 44.36                             | 7.11         | 51.47                  | 110.80                 | -59.33       |
| 5875.00            | Peak                         | 43.66                             | 7.10         | 50.76                  | 105.20                 | -54.44       |
| 5925.00            | Peak                         | 43.40                             | 7.12         | 50.52                  | 68.20                  | -17.68       |

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5795 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                        | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |



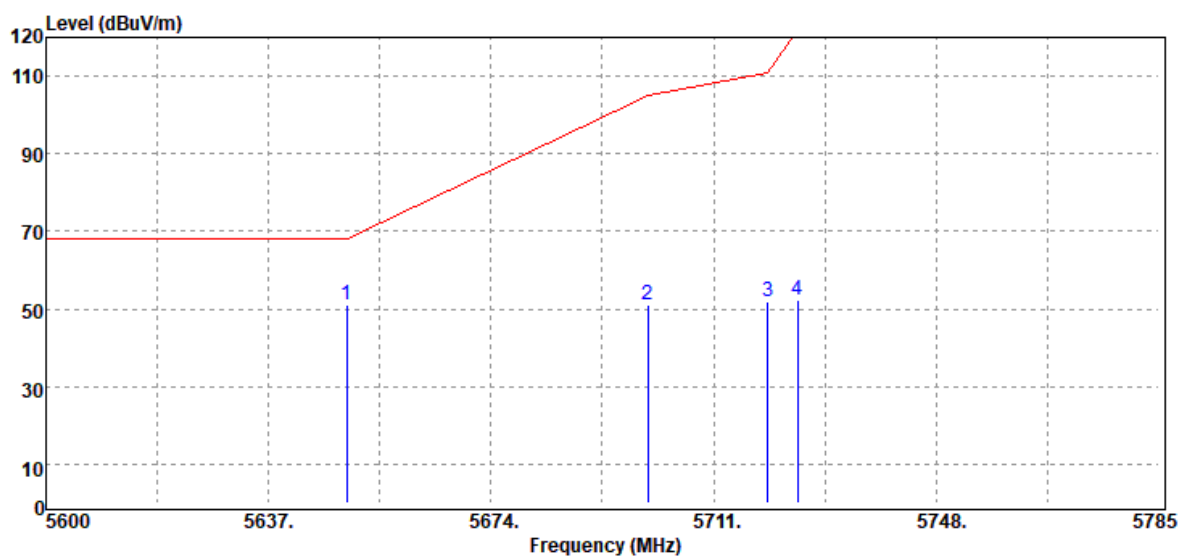
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5850.00            | Peak                         | 43.44                             | 7.11         | 50.55                  | 122.20                 | -71.65       |
| 5855.00            | Peak                         | 44.19                             | 7.11         | 51.30                  | 110.80                 | -59.50       |
| 5875.00            | Peak                         | 42.62                             | 7.10         | 49.72                  | 105.20                 | -55.48       |
| 5925.00            | Peak                         | 43.83                             | 7.12         | 50.95                  | 68.20                  | -17.25       |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5775 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



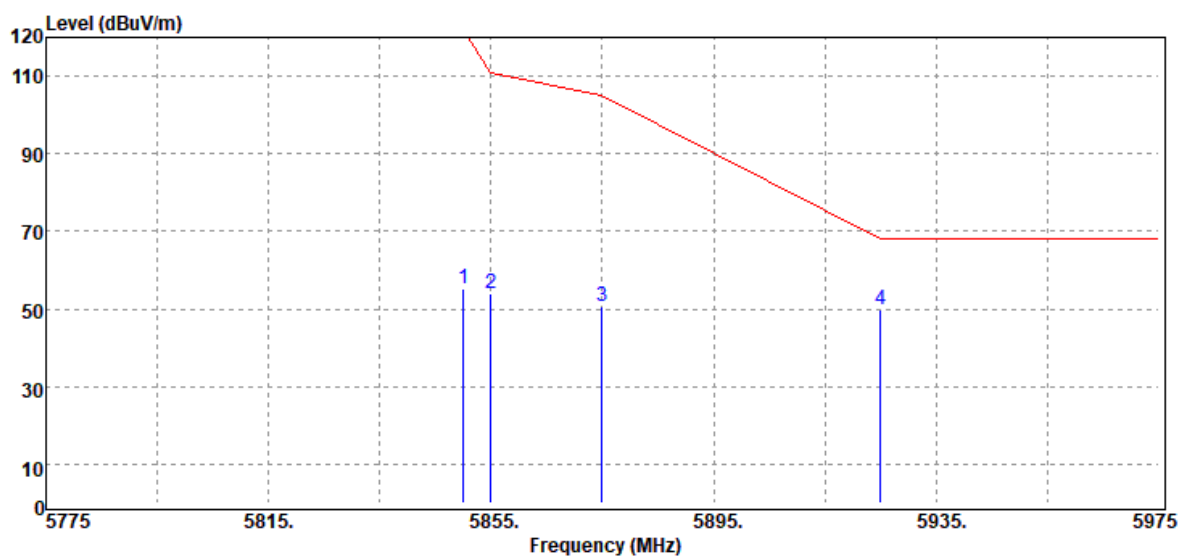
| Frequency (MHz) | Detector Mode PK/QP/AV | Spectrum Reading Level dBμV | Factor dB | Actual FS dBμV/m | Limit @3m dBμV/m | Margin dB |
|-----------------|------------------------|-----------------------------|-----------|------------------|------------------|-----------|
| 5650.00         | Peak                   | 44.29                       | 6.61      | 50.90            | 68.20            | -17.30    |
| 5700.00         | Peak                   | 47.94                       | 6.92      | 54.86            | 105.20           | -50.34    |
| 5720.00         | Peak                   | 51.40                       | 6.97      | 58.37            | 110.80           | -52.43    |
| 5725.00         | Peak                   | 52.27                       | 6.98      | 59.25            | 122.20           | -62.95    |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5775 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



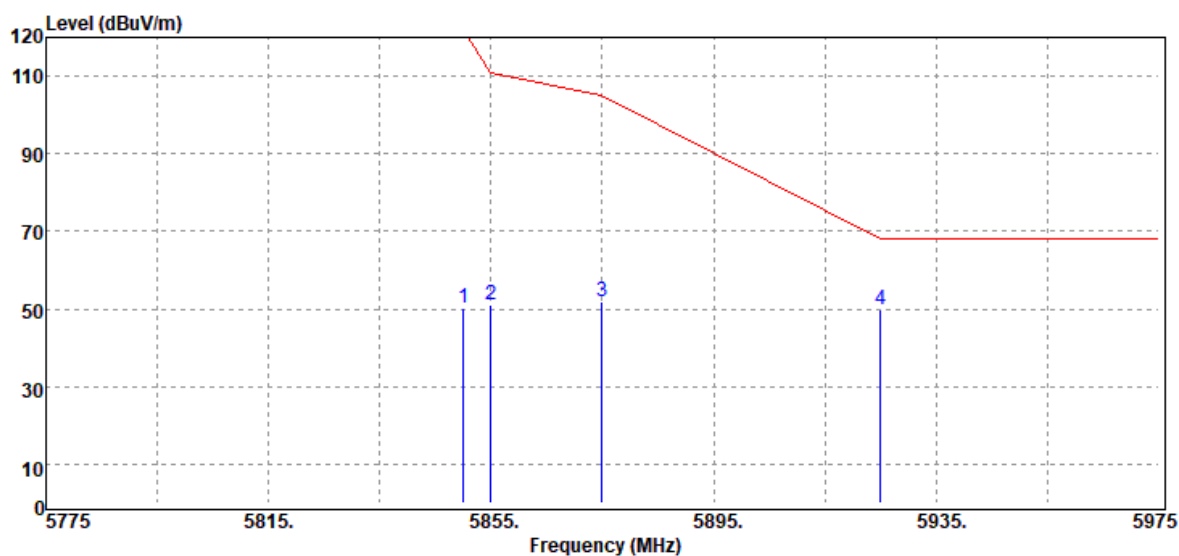
| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 5650.00            | Peak                         | 44.47                             | 6.61         | 51.08                  | 68.20                  | -17.12       |
| 5700.00            | Peak                         | 44.35                             | 6.92         | 51.27                  | 105.20                 | -53.93       |
| 5720.00            | Peak                         | 44.77                             | 6.97         | 51.74                  | 110.80                 | -59.06       |
| 5725.00            | Peak                         | 45.48                             | 6.98         | 52.46                  | 122.20                 | -69.74       |

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5775 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 5850.00            | Peak                         | 48.31                                   | 7.11         | 55.42                        | 122.20                       | -66.78       |
| 5855.00            | Peak                         | 46.95                                   | 7.11         | 54.06                        | 110.80                       | -56.74       |
| 5875.00            | Peak                         | 43.68                                   | 7.10         | 50.78                        | 105.20                       | -54.42       |
| 5925.00            | Peak                         | 42.82                                   | 7.12         | 49.94                        | 68.20                        | -18.26       |

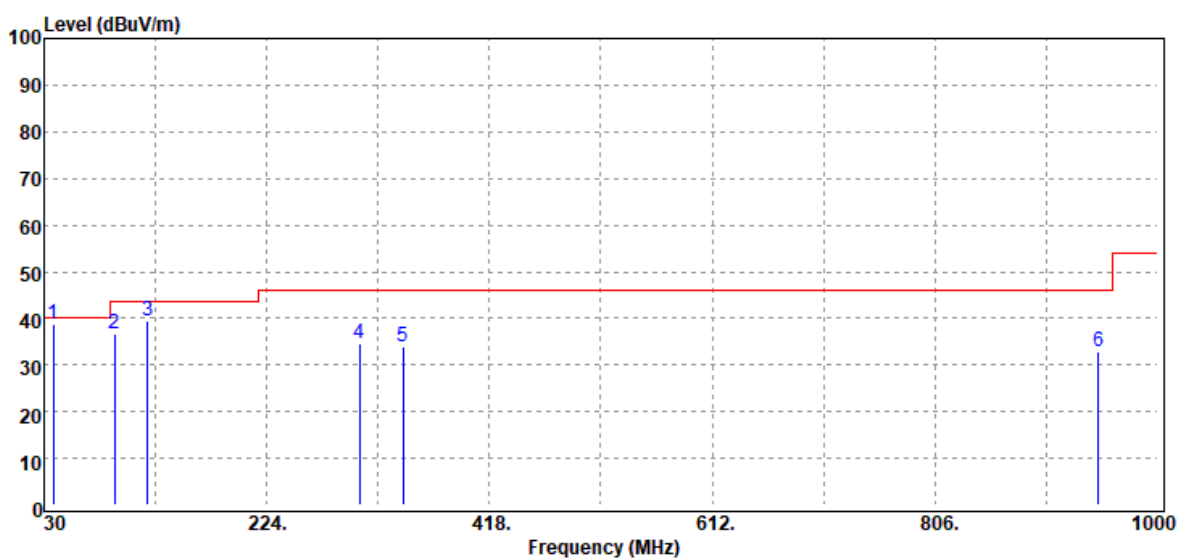
|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5775 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Band Edge                      | Test Date     | April 6, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



| Frequency<br>(MHz) | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dB $\mu$ V | Factor<br>dB | Actual<br>FS<br>dB $\mu$ V/m | Limit<br>@3m<br>dB $\mu$ V/m | Margin<br>dB |
|--------------------|------------------------------|-----------------------------------------|--------------|------------------------------|------------------------------|--------------|
| 5850.00            | Peak                         | 43.11                                   | 7.11         | 50.22                        | 122.20                       | -71.98       |
| 5855.00            | Peak                         | 43.87                                   | 7.11         | 50.98                        | 110.80                       | -59.82       |
| 5875.00            | Peak                         | 44.74                                   | 7.10         | 51.84                        | 105.20                       | -53.36       |
| 5925.00            | Peak                         | 42.83                                   | 7.12         | 49.95                        | 68.20                        | -18.25       |

### Below 1G Test Data

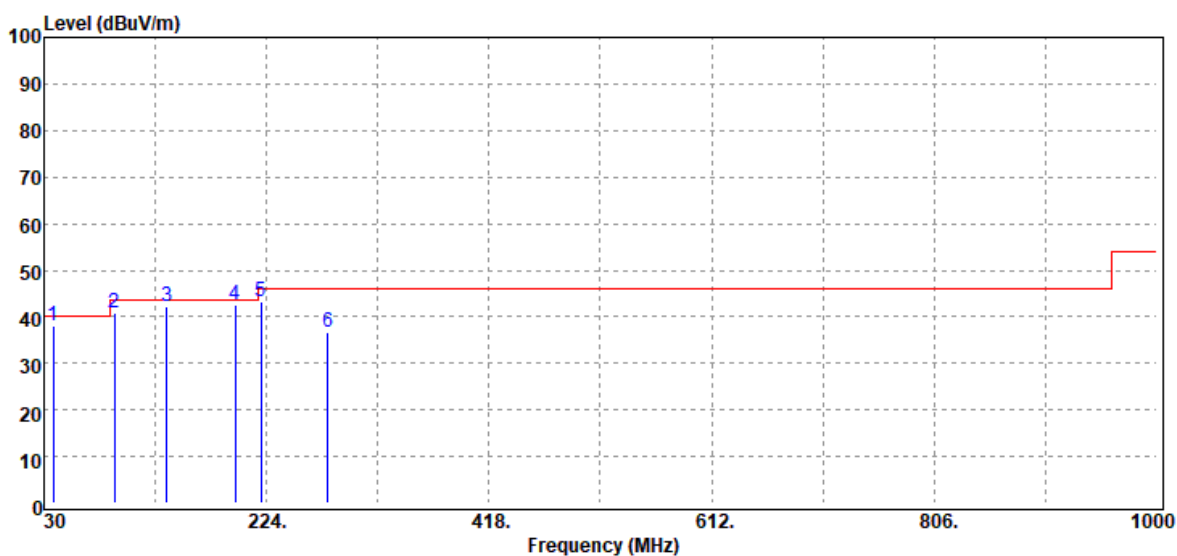
|           |            |               |                 |
|-----------|------------|---------------|-----------------|
| Test Mode | Mode 1     | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | 30MHz-1GHz | Test Date     | April 7, 2020   |
| Polarize  | Vertical   | Test Engineer | Jerry Chang     |
| Detector  | Peak       |               |                 |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 37.76        | Peak                         | 46.69                             | -8.06        | 38.63                  | 40.00                  | -1.37        |
| 91.11        | Peak                         | 52.04                             | -15.34       | 36.70                  | 43.50                  | -6.80        |
| 120.21       | Peak                         | 48.57                             | -9.17        | 39.40                  | 43.50                  | -4.10        |
| 304.51       | Peak                         | 43.13                             | -8.36        | 34.77                  | 46.00                  | -11.23       |
| 342.34       | Peak                         | 41.49                             | -7.59        | 33.90                  | 46.00                  | -12.10       |
| 948.59       | Peak                         | 28.93                             | 4.08         | 33.01                  | 46.00                  | -12.99       |

**Note:** 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)  
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

|           |            |               |                 |
|-----------|------------|---------------|-----------------|
| Test Mode | Mode 1     | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | 30MHz-1GHz | Test Date     | April 7, 2020   |
| Polarize  | Horizontal | Test Engineer | Jerry Chang     |
| Detector  | Peak       |               |                 |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 37.76        | Peak                         | 46.09                             | -8.06        | 38.03                  | 40.00                  | -1.97        |
| 91.11        | Peak                         | 56.34                             | -15.34       | 41.00                  | 43.50                  | -2.50        |
| 136.70       | Peak                         | 51.66                             | -9.60        | 42.06                  | 43.50                  | -1.44        |
| 196.84       | Peak                         | 52.41                             | -9.91        | 42.50                  | 43.50                  | -1.00        |
| 219.15       | Peak                         | 55.17                             | -11.75       | 43.42                  | 46.00                  | -2.58        |
| 277.35       | Peak                         | 45.42                             | -8.64        | 36.78                  | 46.00                  | -9.22        |

**Note:** 1. No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)  
2. For below 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

**Above 1G****Test Data for UNII-1**

|           |                        |               |                 |
|-----------|------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic               | Test Date     | April 7, 2020   |
| Polarize  | Vertical               | Test Engineer | Jerry Chang     |
| Detector  | Peak                   |               |                 |

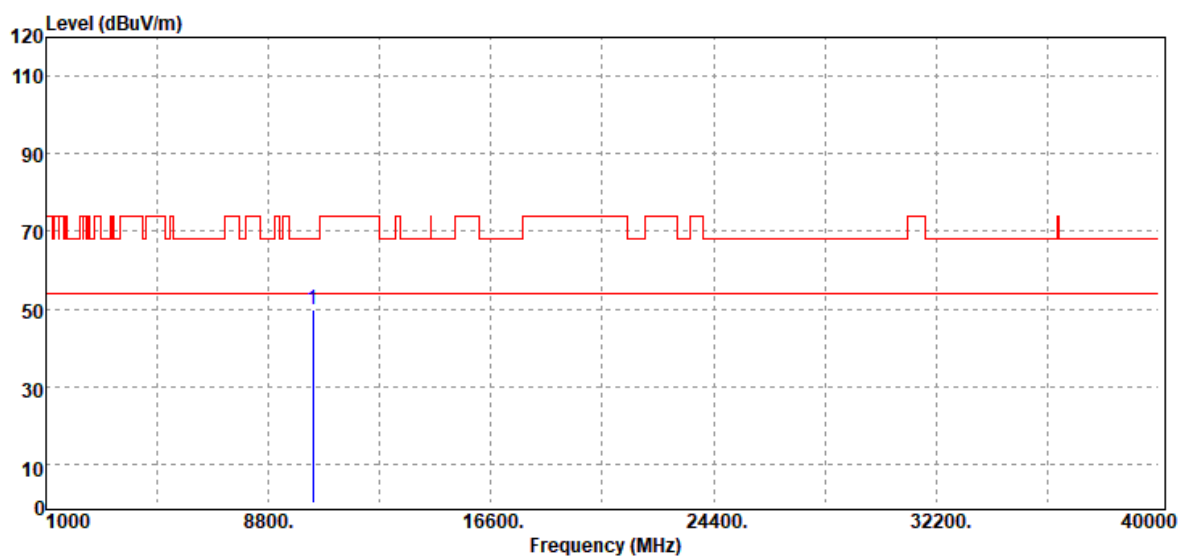


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.00     | Peak                         | 34.90                             | 15.04        | 49.94                  | 68.20                  | -18.26       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                        |               |                 |
|-----------|------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5180MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic               | Test Date     | April 7, 2020   |
| Polarize  | Horizontal             | Test Engineer | Jerry Chang     |
| Detector  | Peak                   |               |                 |

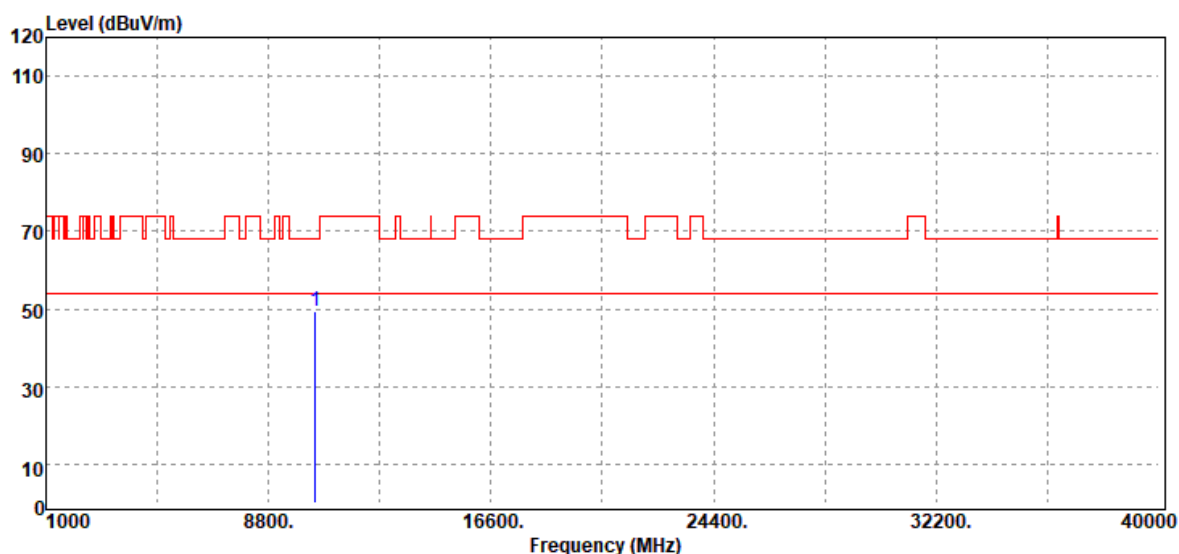


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.00     | Peak                         | 34.92                             | 15.04        | 49.96                  | 68.20                  | -18.24       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5220 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonics               | Test Date     | April 7, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

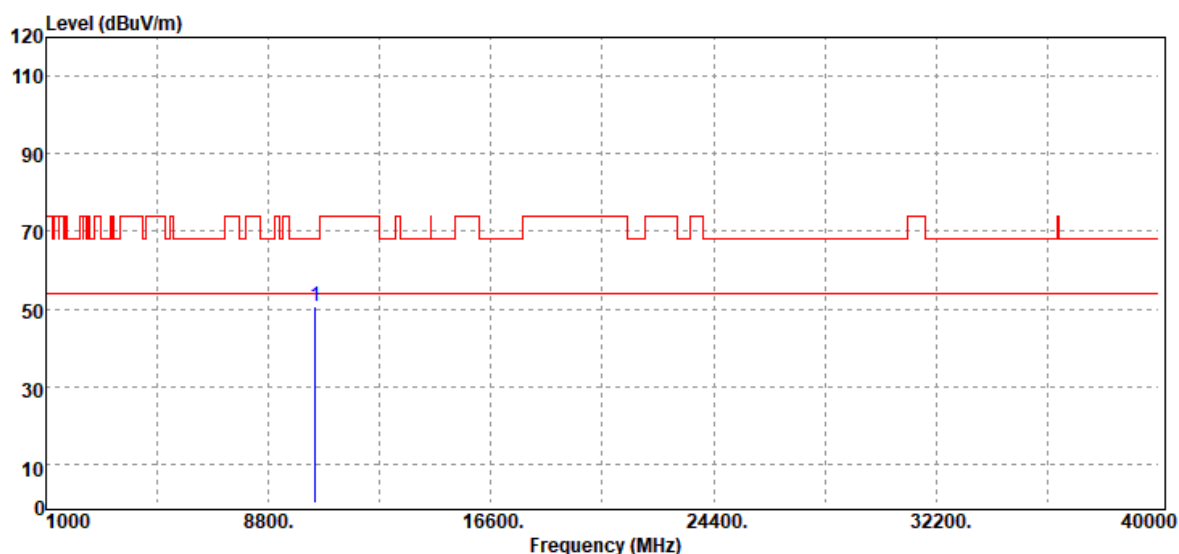


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.00     | Peak                         | 34.35                             | 15.11        | 49.46                  | 68.20                  | -18.74       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5220 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

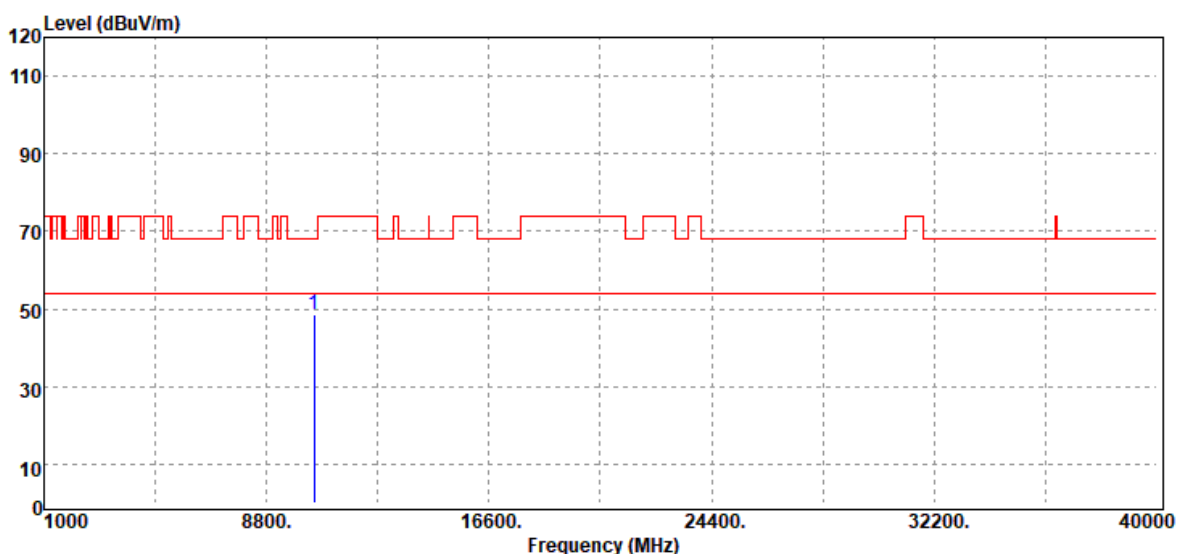


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.00     | Peak                         | 35.45                             | 15.11        | 50.56                  | 68.20                  | -17.64       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                        |               |                 |
|-----------|------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5240MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic               | Test Date     | April 7, 2020   |
| Polarize  | Vertical               | Test Engineer | Jerry Chang     |
| Detector  | Peak                   |               |                 |

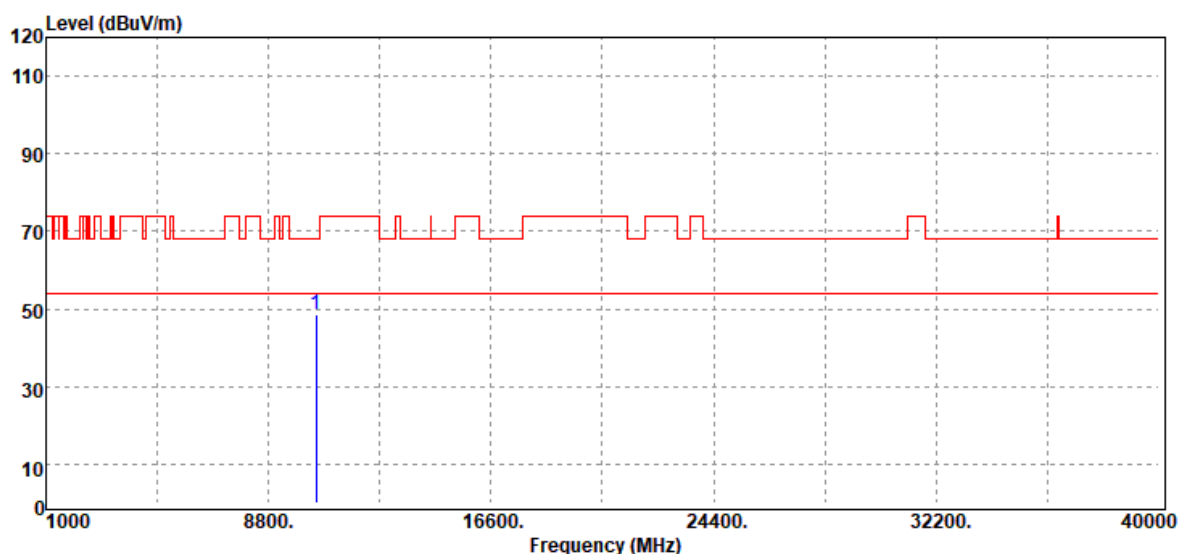


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.00     | Peak                         | 33.43                             | 15.09        | 48.52                  | 68.20                  | -19.68       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                        |               |                 |
|-----------|------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5240MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic               | Test Date     | April 7, 2020   |
| Polarize  | Horizontal             | Test Engineer | Jerry Chang     |
| Detector  | Peak                   |               |                 |

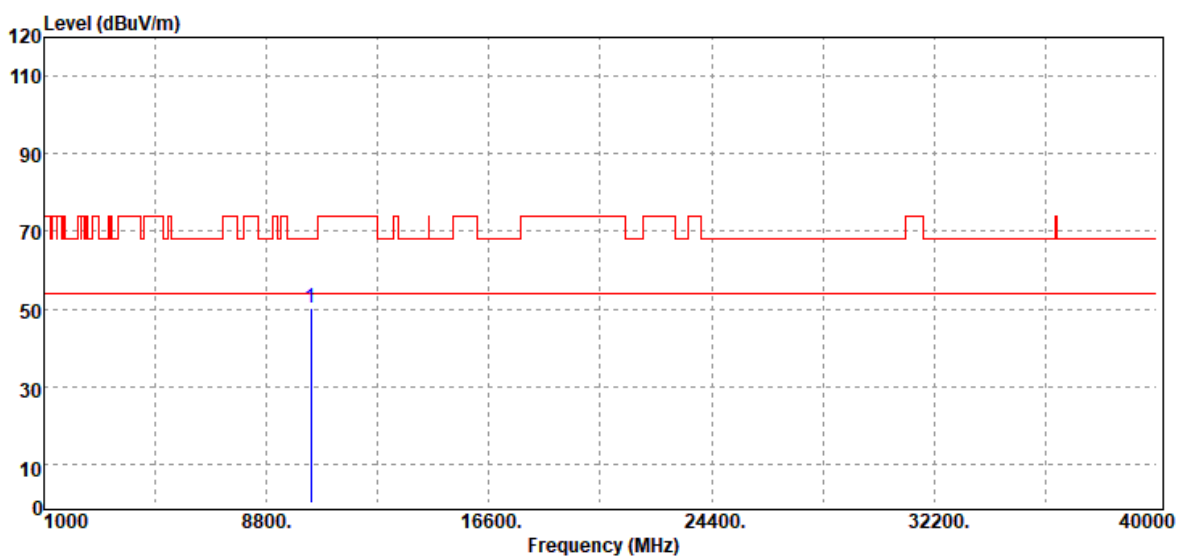


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.00     | Peak                         | 33.66                             | 15.09        | 48.75                  | 68.20                  | -19.45       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5180MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |

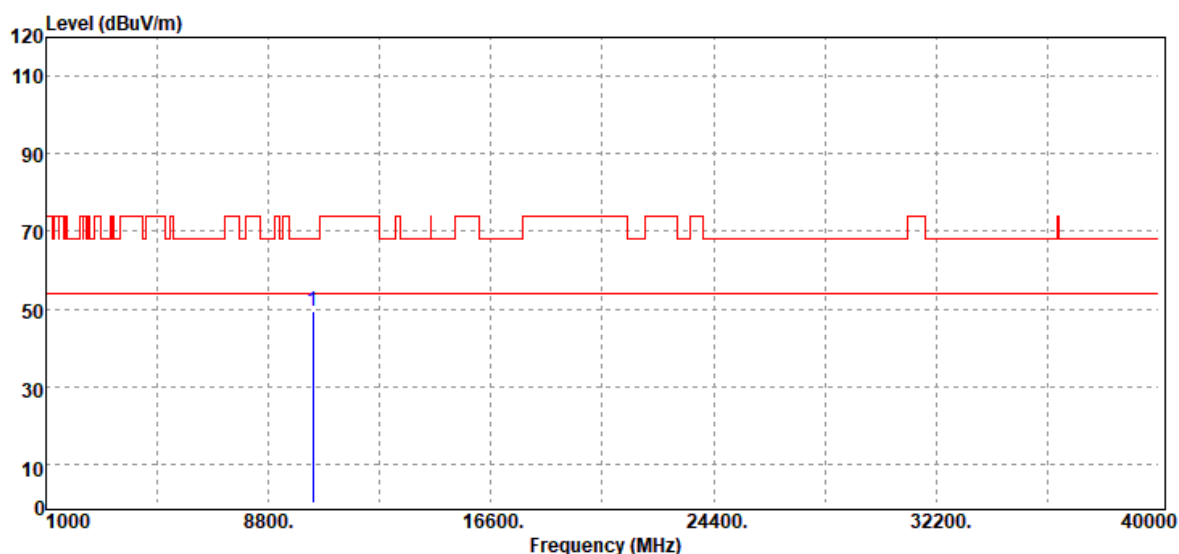


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.00     | Peak                         | 35.06                             | 15.04        | 50.10                  | 68.20                  | -18.10       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                 |               |                 |
|-----------|---------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz/<br>5180MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                        | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                      | Test Engineer | Jerry Chang     |
| Detector  | Peak                            |               |                 |

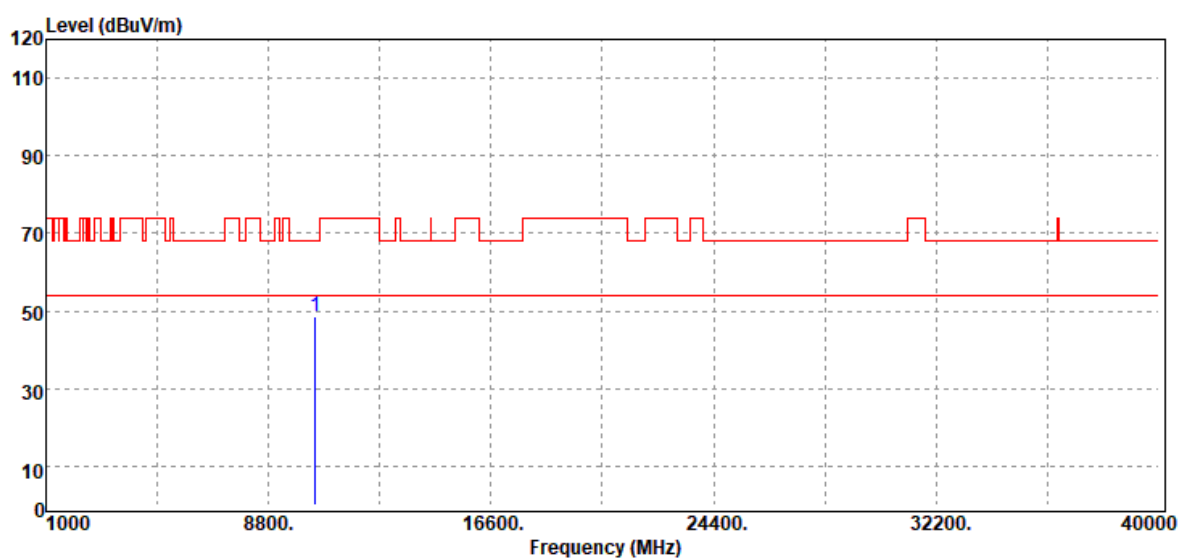


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10360.00     | Peak                         | 34.48                             | 15.04        | 49.52                  | 68.20                  | -18.68       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5220MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |

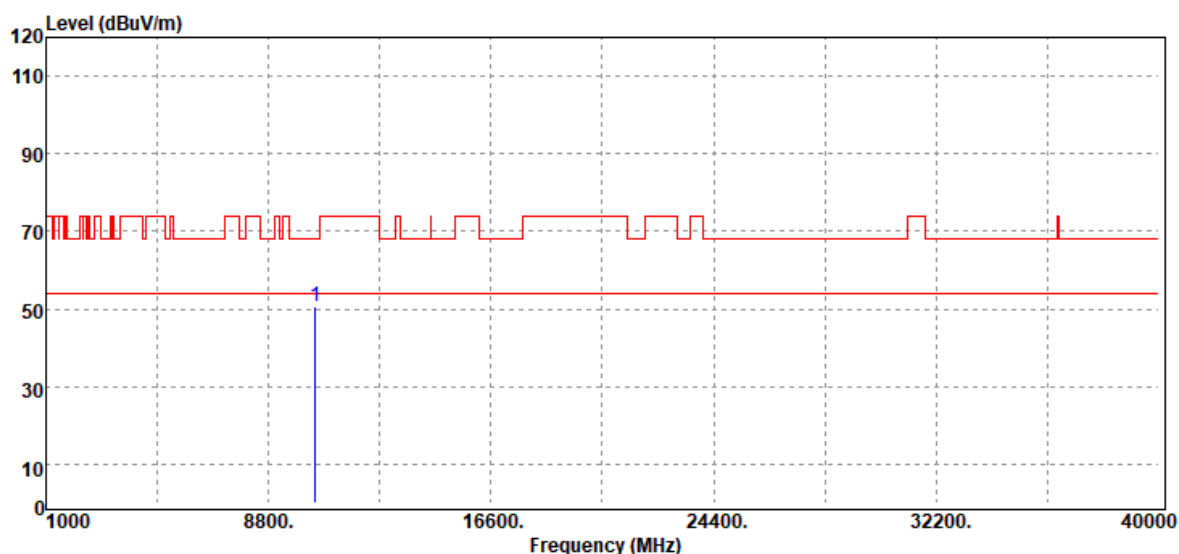


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.00     | Peak                         | 33.59                             | 15.11        | 48.70                  | 68.20                  | -19.50       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5220MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |

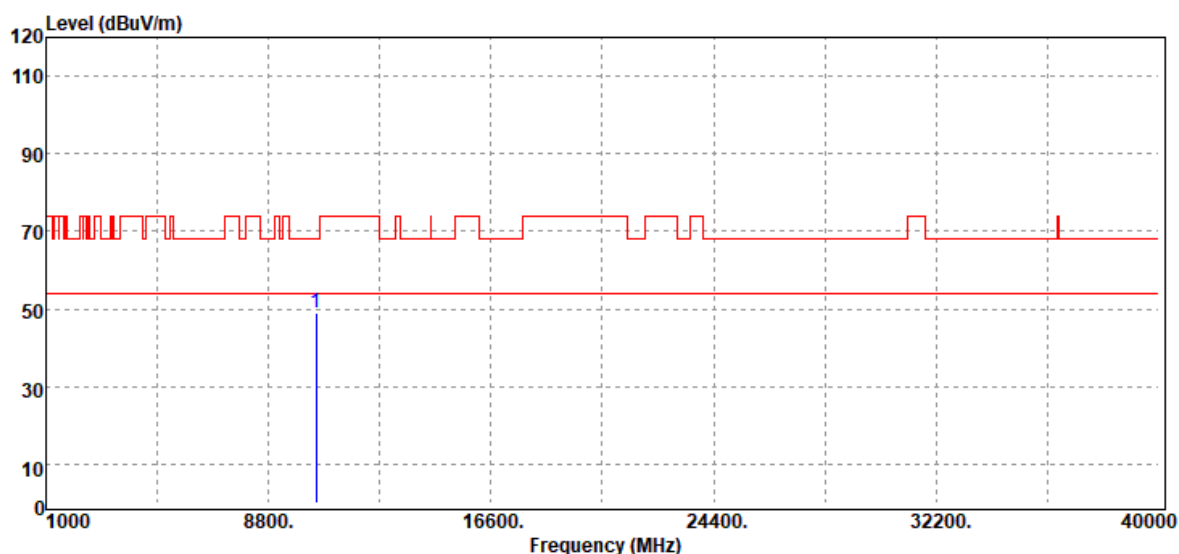


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10440.00     | Peak                         | 35.71                             | 15.11        | 50.82                  | 68.20                  | -17.38       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5240MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |

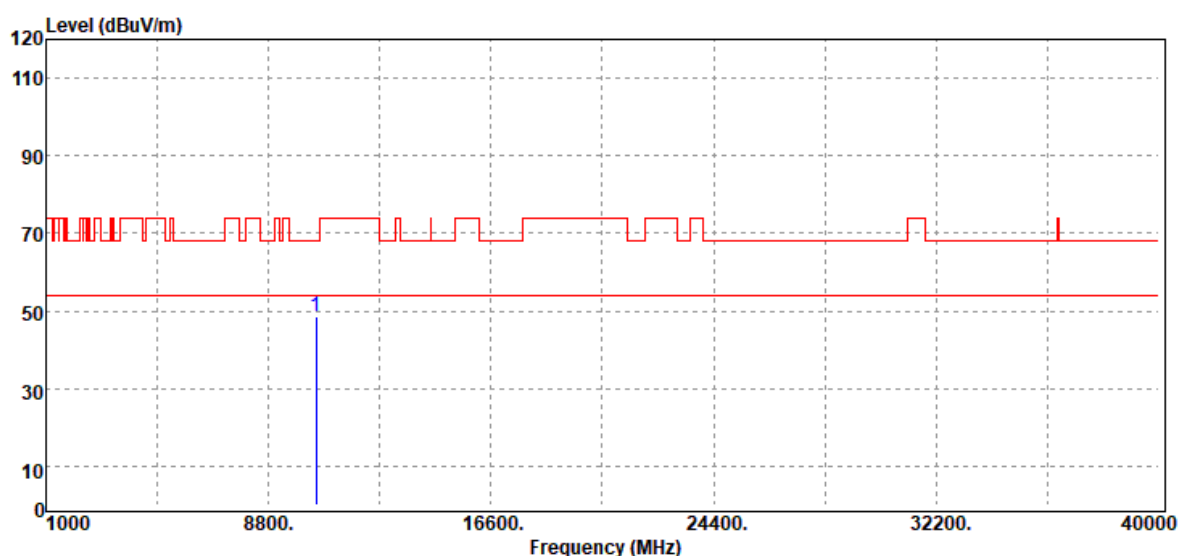


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.00     | Peak                         | 33.98                             | 15.09        | 49.07                  | 68.20                  | -19.13       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5240MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |

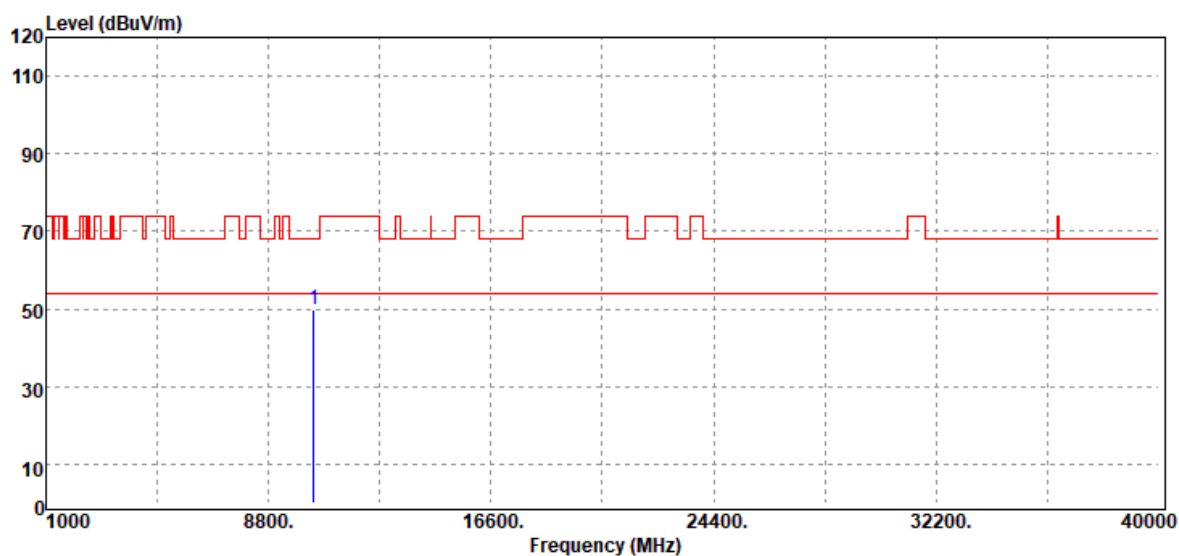


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10480.00     | Peak                         | 33.61                             | 15.09        | 48.70                  | 68.20                  | -19.50       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5190MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |

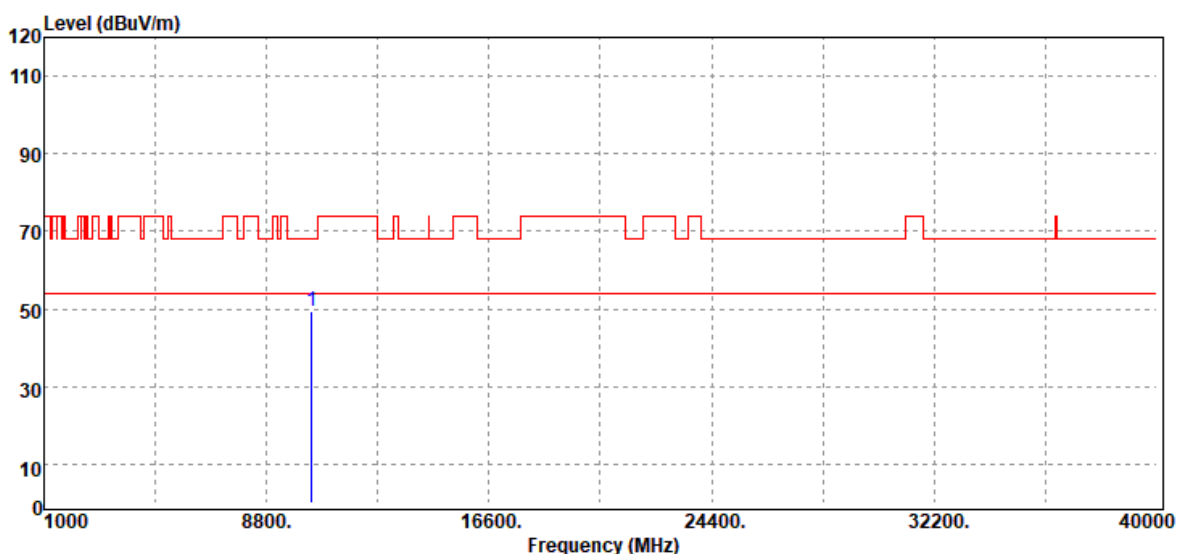


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10380.00     | Peak                         | 34.75                             | 14.99        | 49.74                  | 68.20                  | -18.46       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5190MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |

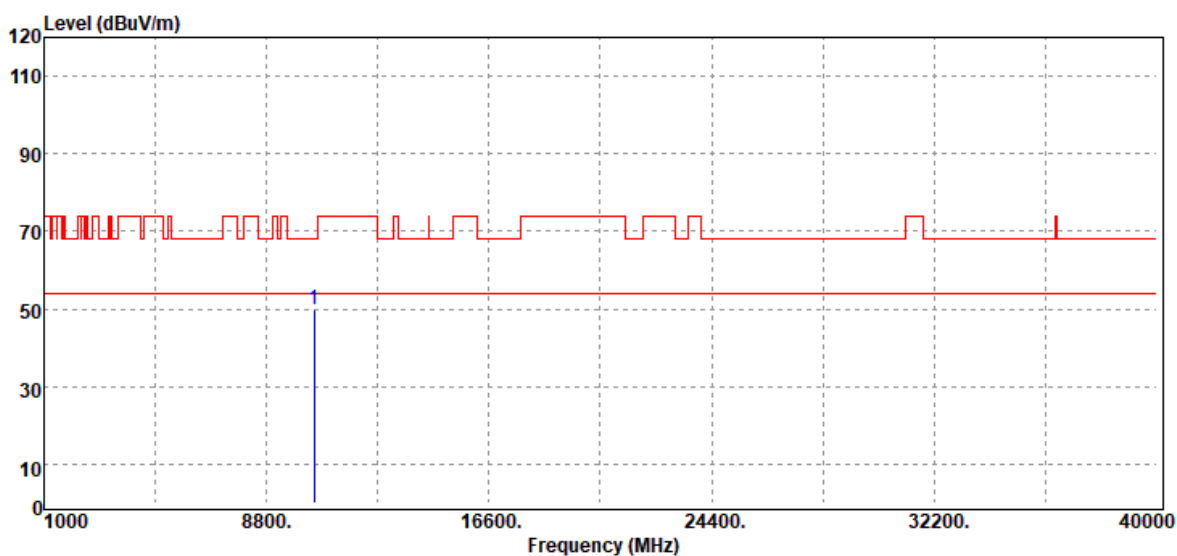


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10380.00     | Peak                         | 34.44                             | 14.99        | 49.43                  | 68.20                  | -18.77       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5230MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |

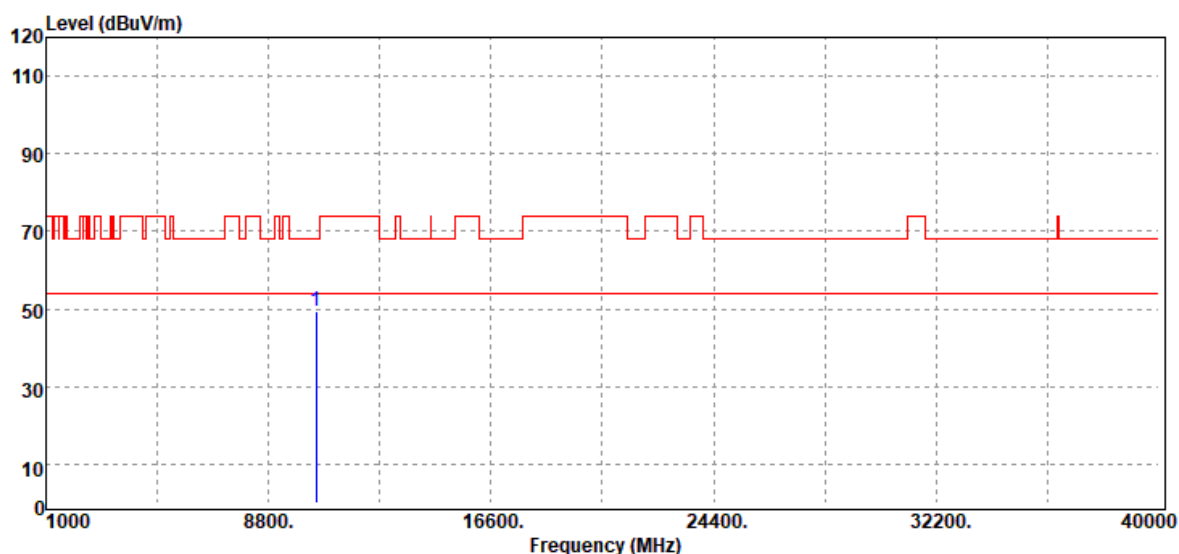


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10460.00     | Peak                         | 34.88                             | 15.13        | 50.01                  | 68.20                  | -18.19       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5230MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |

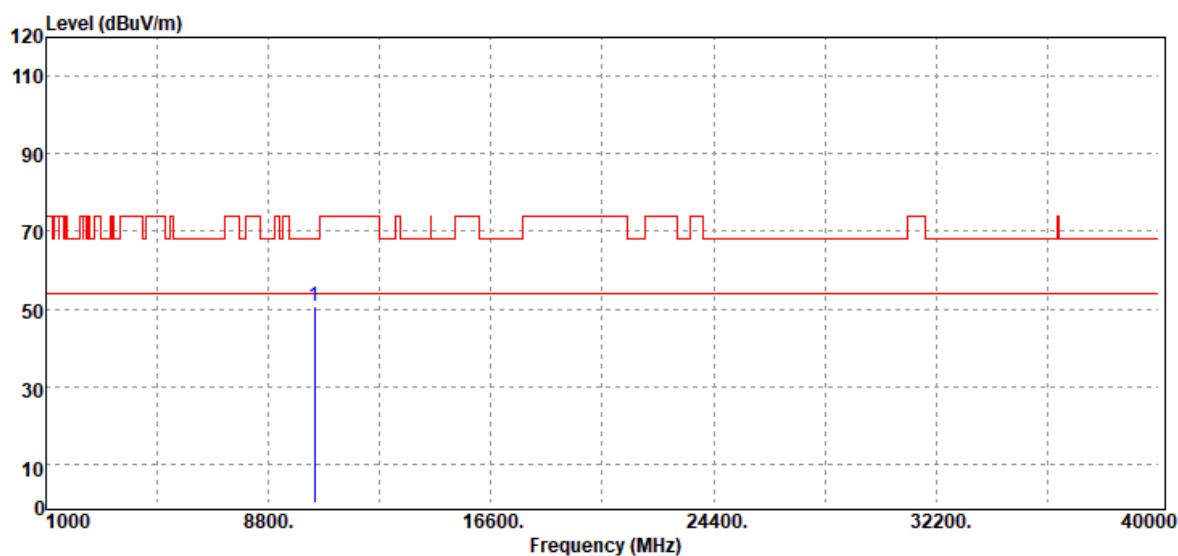


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10460.00     | Peak                         | 34.33                             | 15.13        | 49.46                  | 68.20                  | -18.74       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5210MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Vertical                      | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |

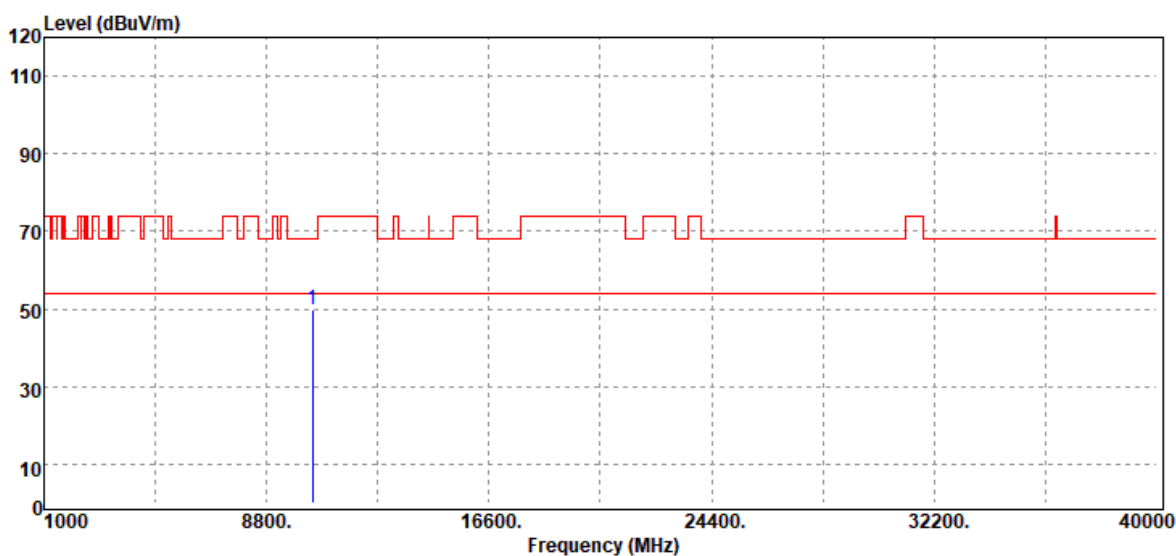


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10420.00     | Peak                         | 35.76                             | 15.01        | 50.77                  | 68.20                  | -17.43       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                               |               |                 |
|-----------|-------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5210MHZ | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                      | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chang     |
| Detector  | Peak                          |               |                 |



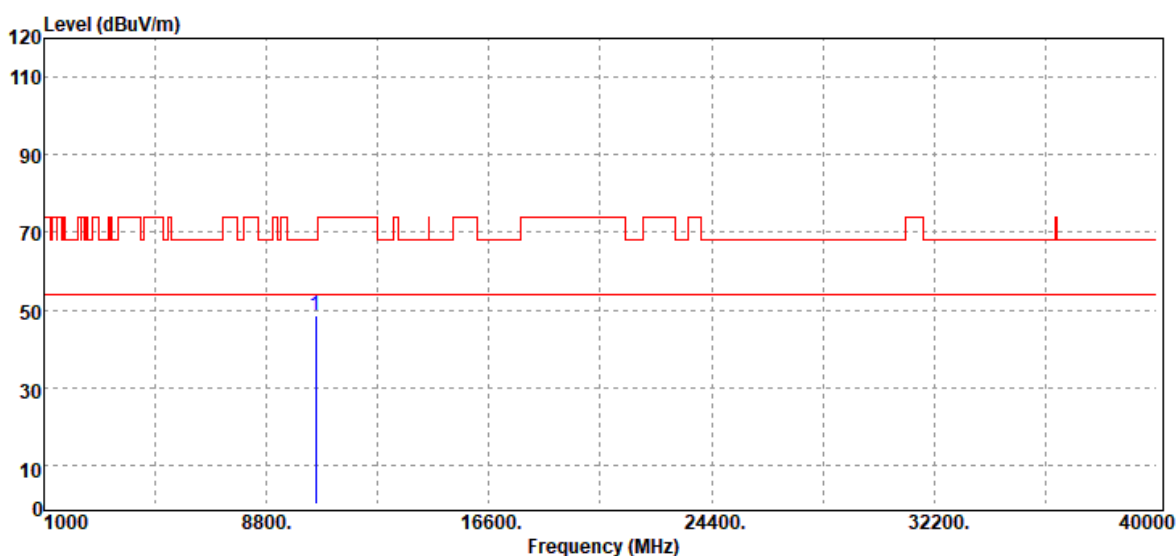
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10420.00     | Peak                         | 34.67                             | 15.01        | 49.68                  | 68.20                  | -18.52       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

### Test Data for UNII-2a

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5260 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

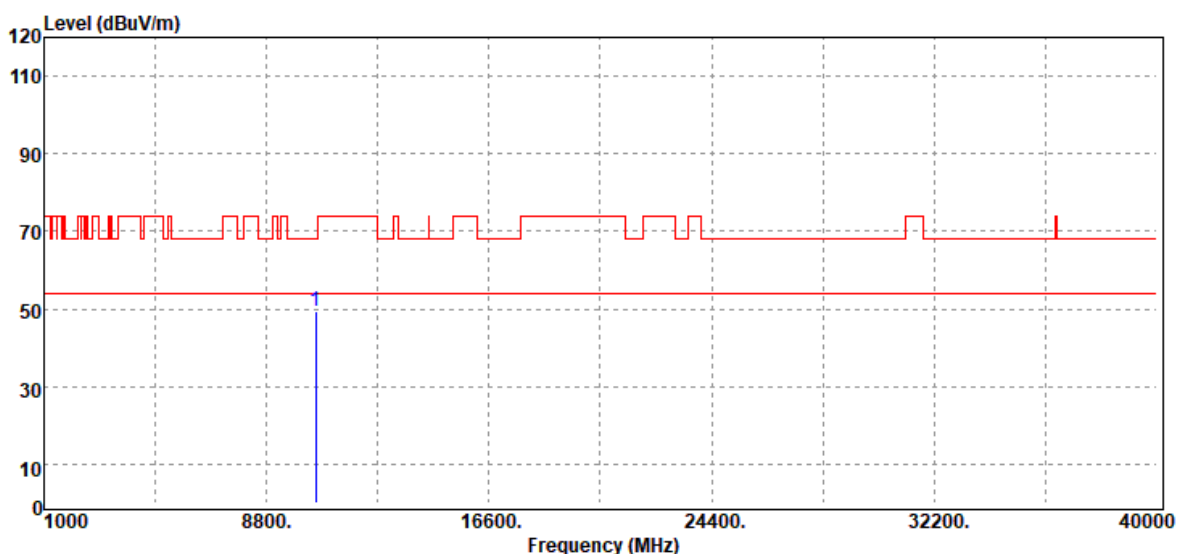


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 33.72                             | 15.05        | 48.77                  | 68.20                  | -19.43       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5260 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

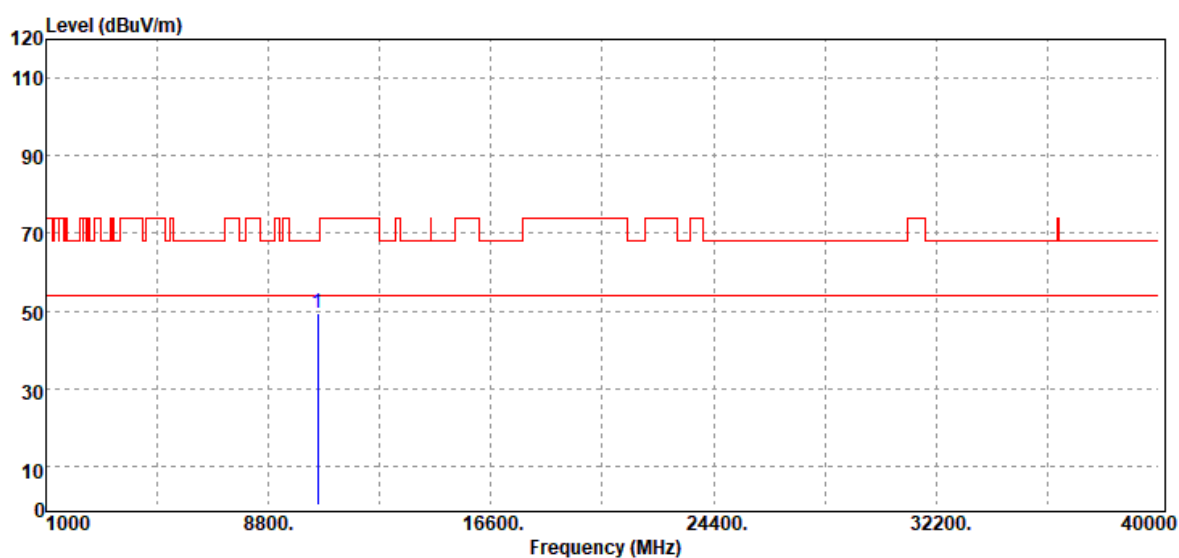


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 34.18                             | 15.05        | 49.23                  | 68.20                  | -18.97       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5280 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

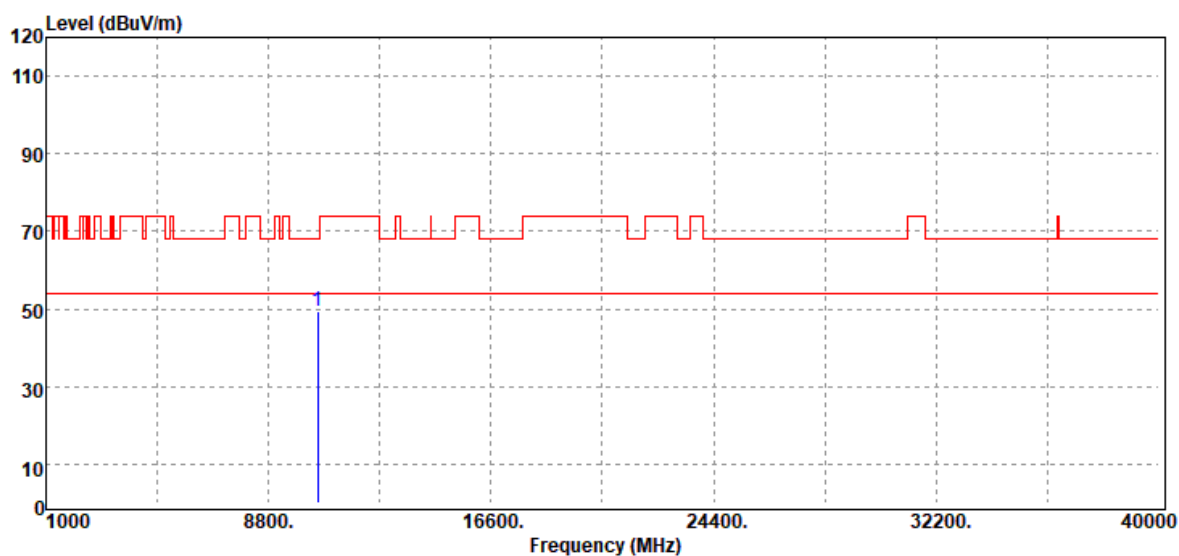


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 34.53                             | 15.05        | 49.58                  | 68.20                  | -18.62       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5280 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 34.20                             | 15.05        | 49.25                  | 68.20                  | -18.95       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5320 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

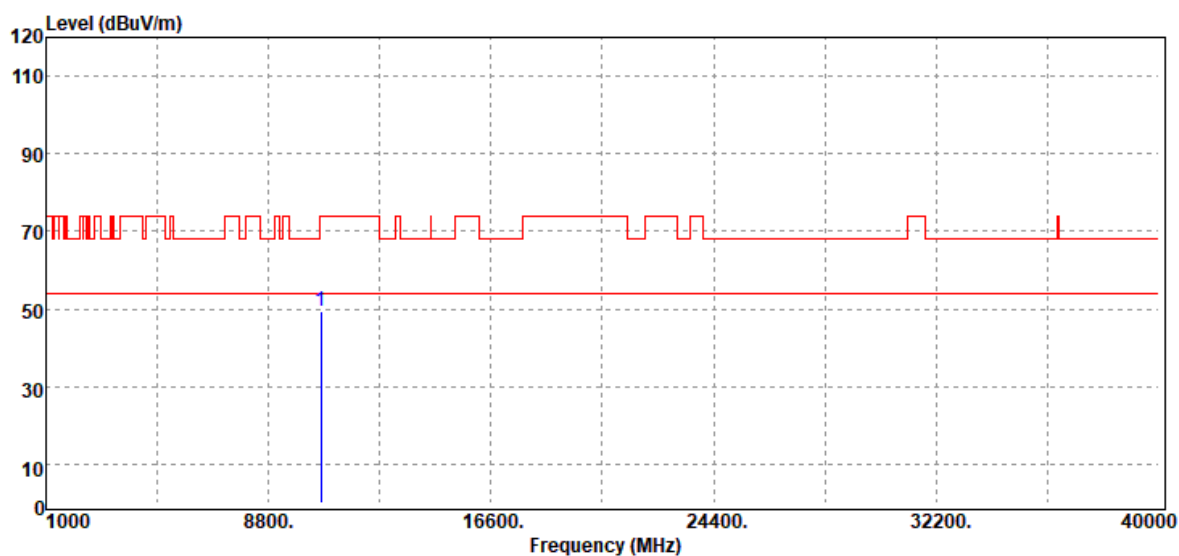


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.00     | Peak                         | 34.01                             | 15.51        | 49.52                  | 74.00                  | -24.48       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5320 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

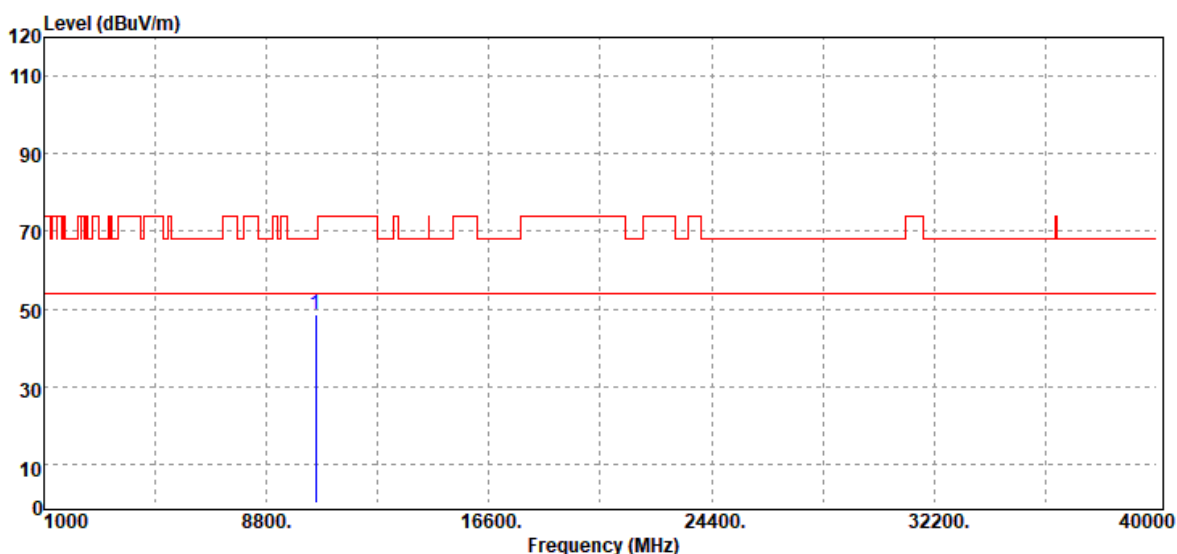


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.00     | Peak                         | 33.94                             | 15.51        | 49.45                  | 74.00                  | -24.55       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5260 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 33.40                             | 15.05        | 48.45                  | 68.20                  | -19.75       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5260 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

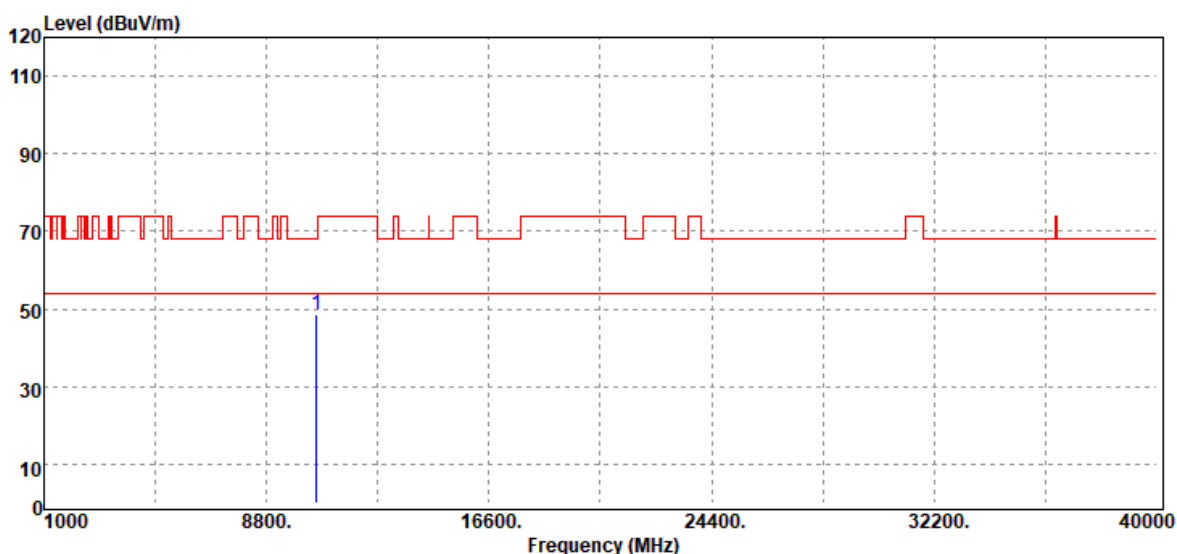


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10520.00     | Peak                         | 33.18                             | 15.05        | 48.23                  | 68.20                  | -19.97       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5280 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

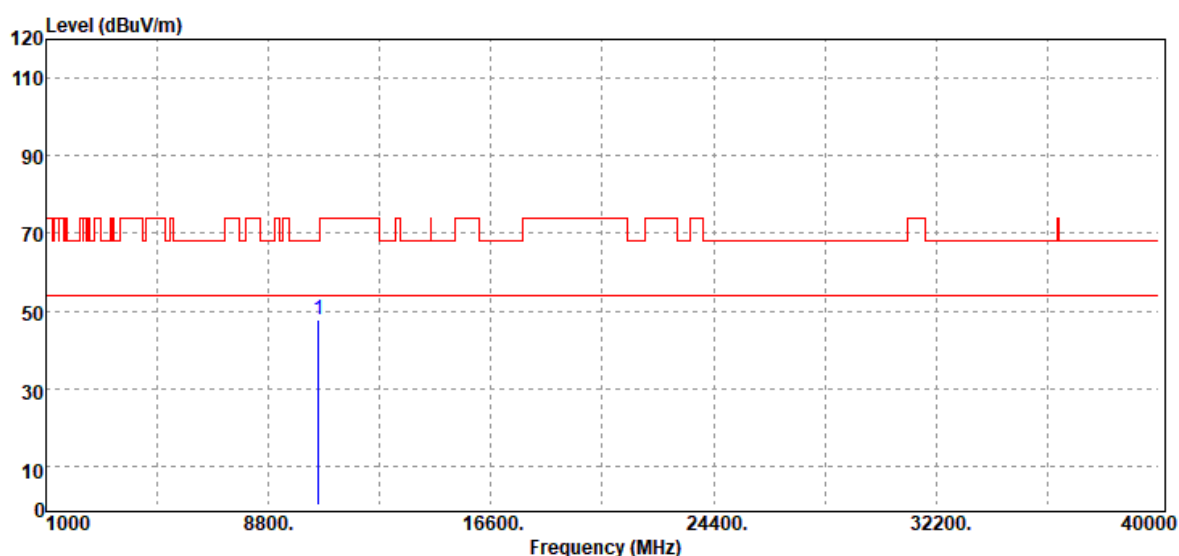


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10560.00     | Peak                         | 33.57                             | 15.05        | 48.62                  | 68.20                  | -19.58       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5280 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

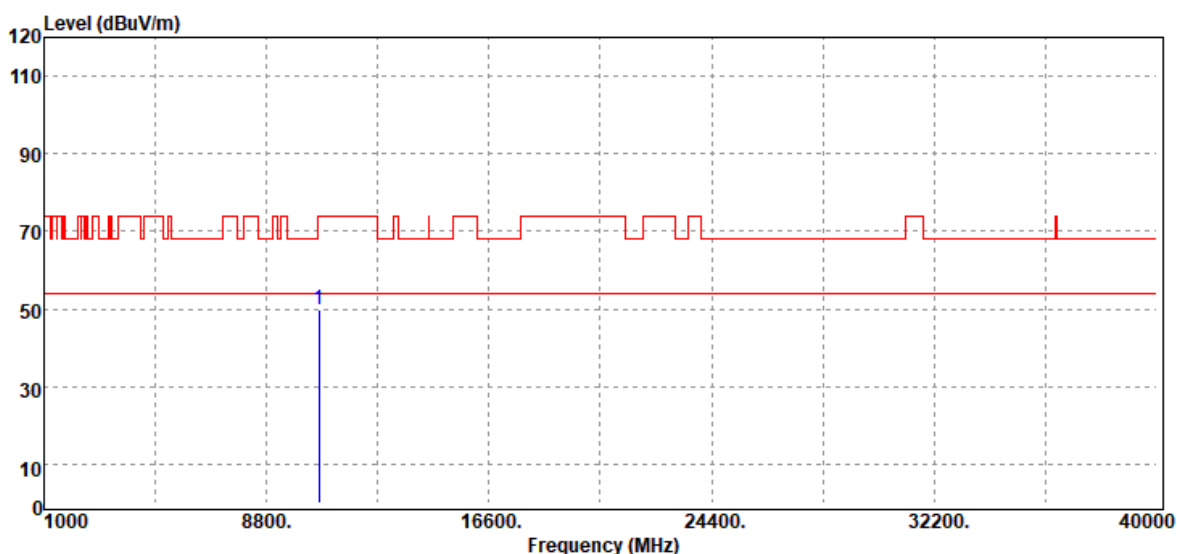


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10560.00     | Peak                         | 32.70                             | 15.05        | 47.75                  | 68.20                  | -20.45       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5320 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

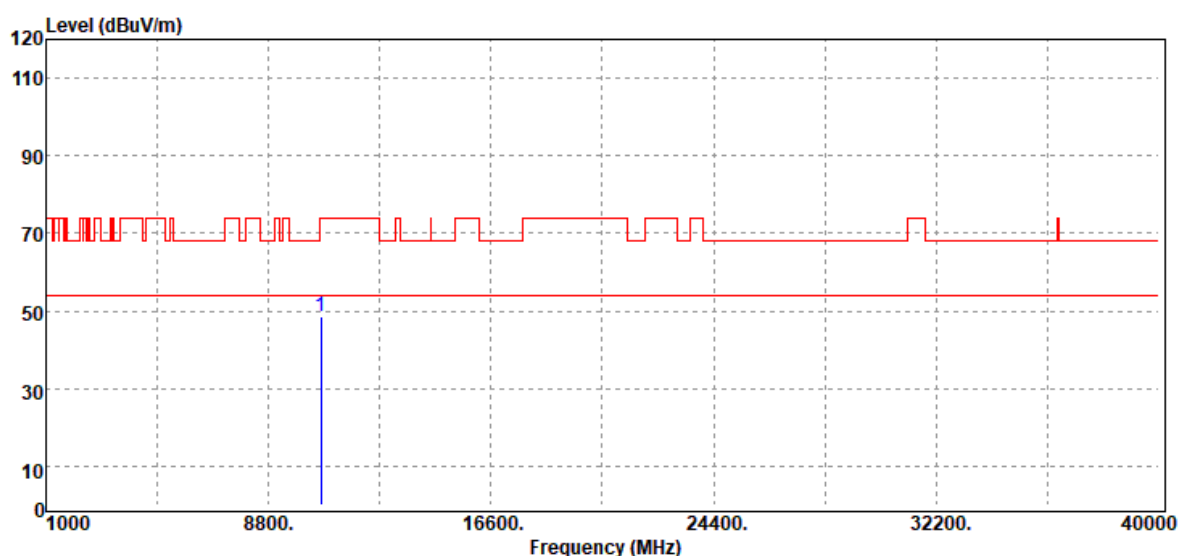


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.00     | Peak                         | 34.20                             | 15.51        | 49.71                  | 74.00                  | -24.29       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5320 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

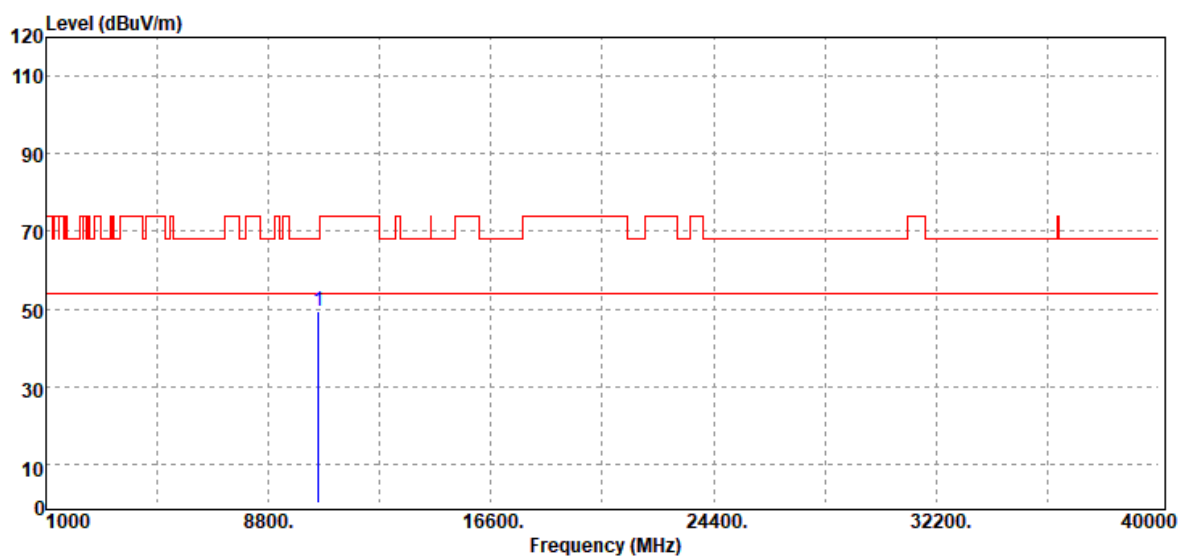


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10640.00     | Peak                         | 32.94                             | 15.51        | 48.45                  | 74.00                  | -25.55       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5270 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

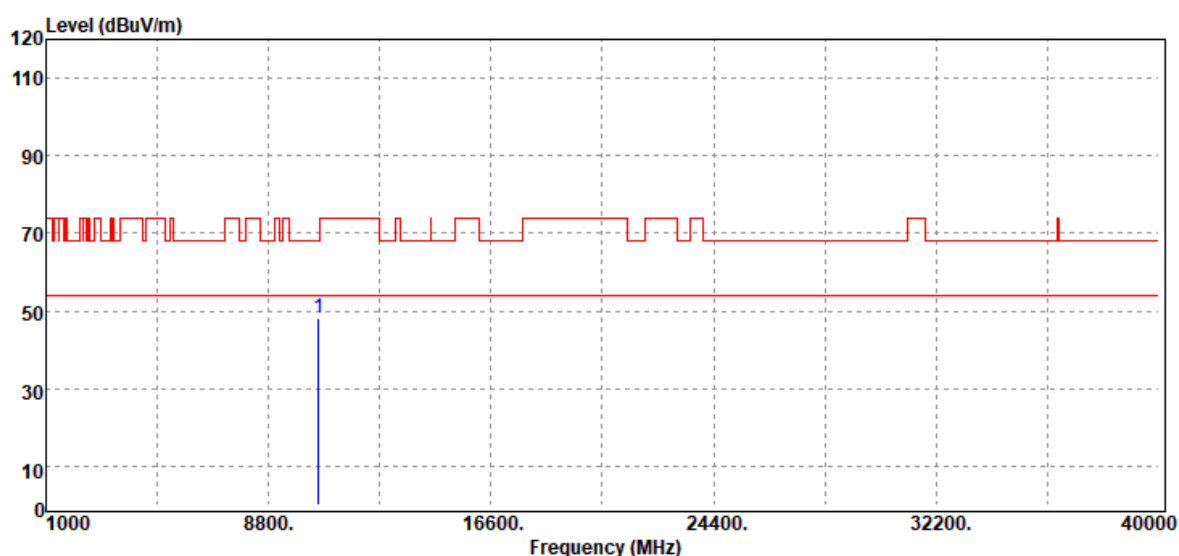


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10540.00     | Peak                         | 34.19                             | 15.05        | 49.24                  | 68.20                  | -18.96       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5270 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

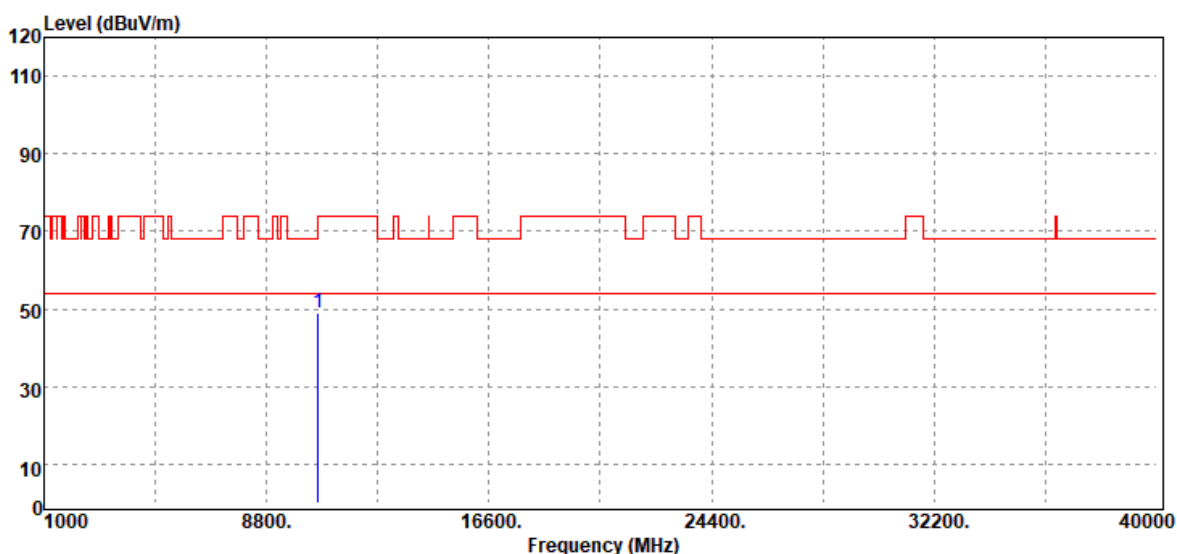


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10540.00     | Peak                         | 33.28                             | 15.05        | 48.33                  | 68.20                  | -19.87       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5310 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10620.00     | Peak                         | 33.59                             | 15.28        | 48.87                  | 74.00                  | -25.13       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5310 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

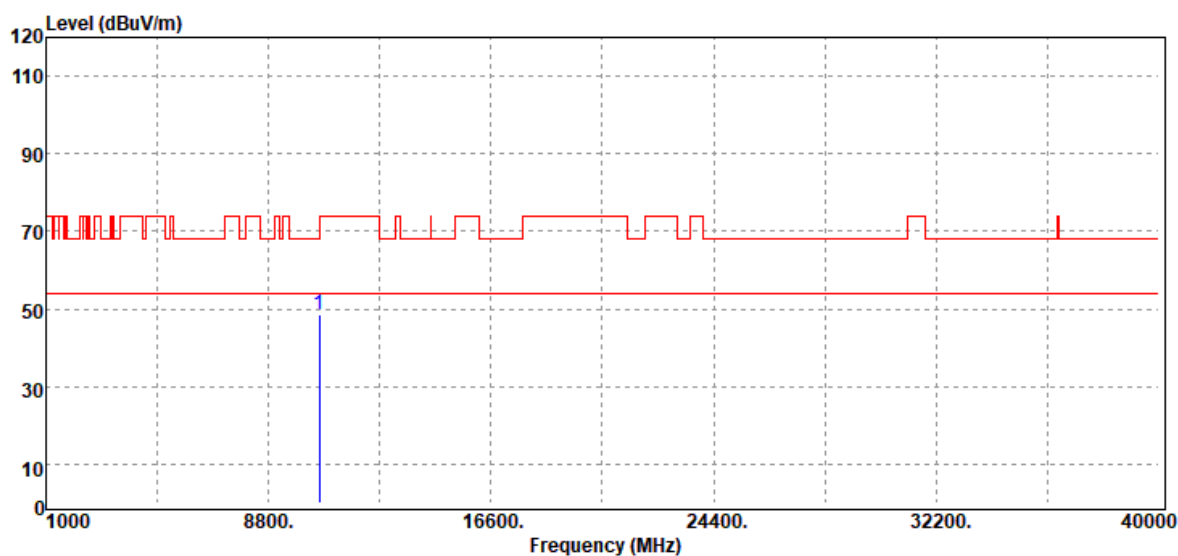


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10620.00     | Peak                         | 33.30                             | 15.28        | 48.58                  | 74.00                  | -25.42       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5290 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

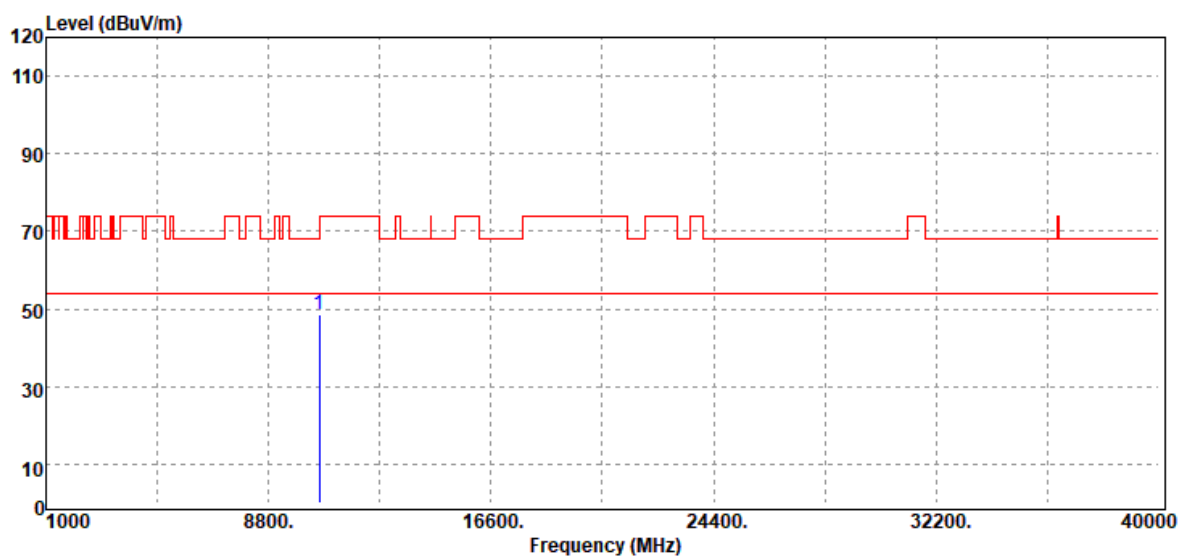


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10580.00     | Peak                         | 33.37                             | 15.06        | 48.43                  | 68.20                  | -19.77       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5290 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



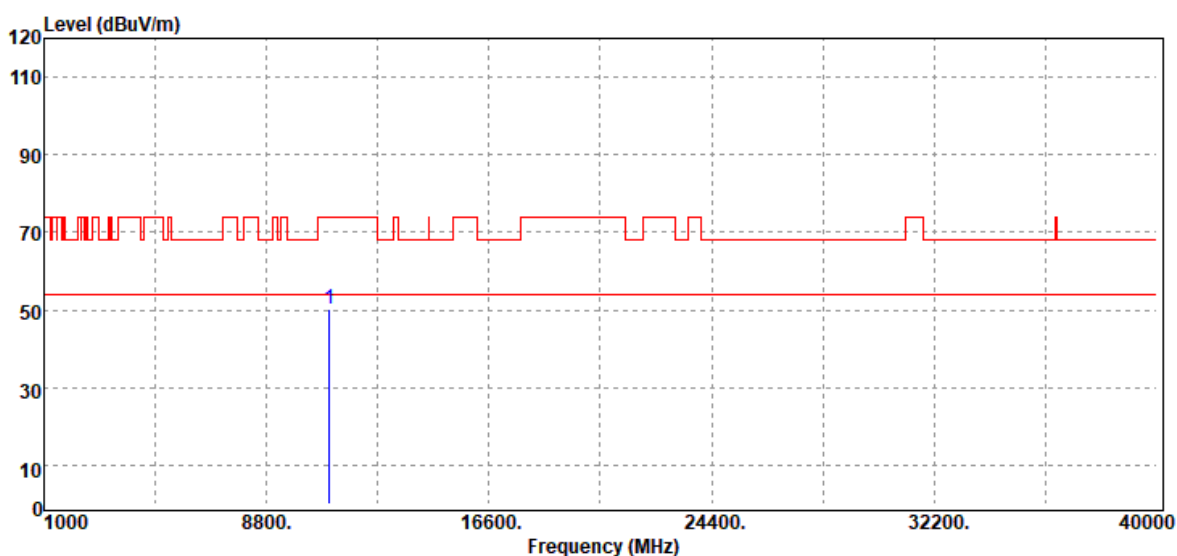
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 10580.00     | Peak                         | 33.58                             | 15.06        | 48.64                  | 68.20                  | -19.56       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

### Test Data for UNII-2c

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5500 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

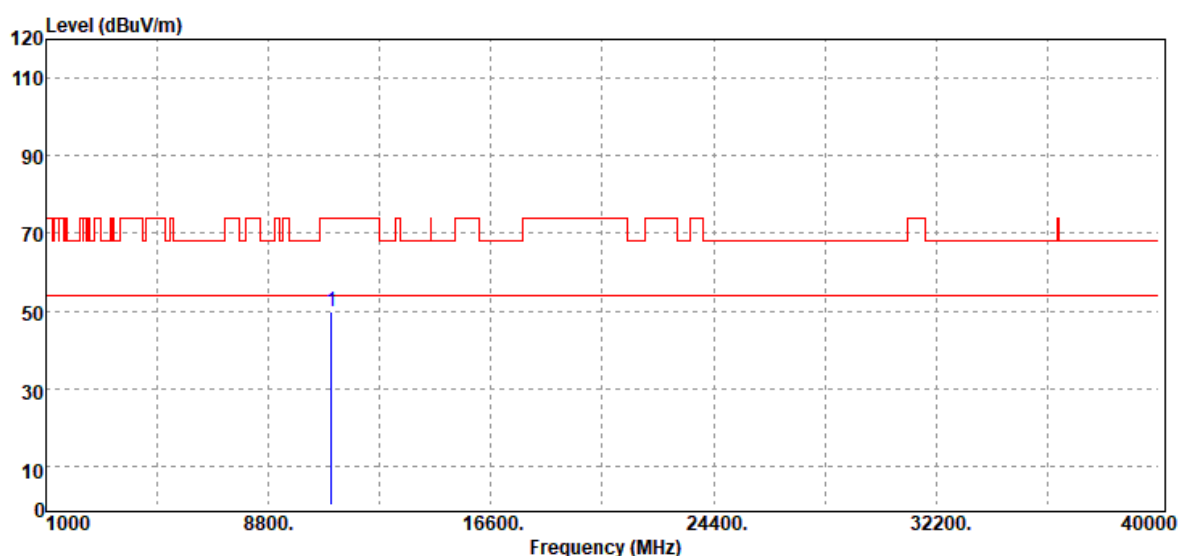


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Peak                         | 34.28                             | 16.02        | 50.30                  | 74.00                  | -23.70       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5500 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

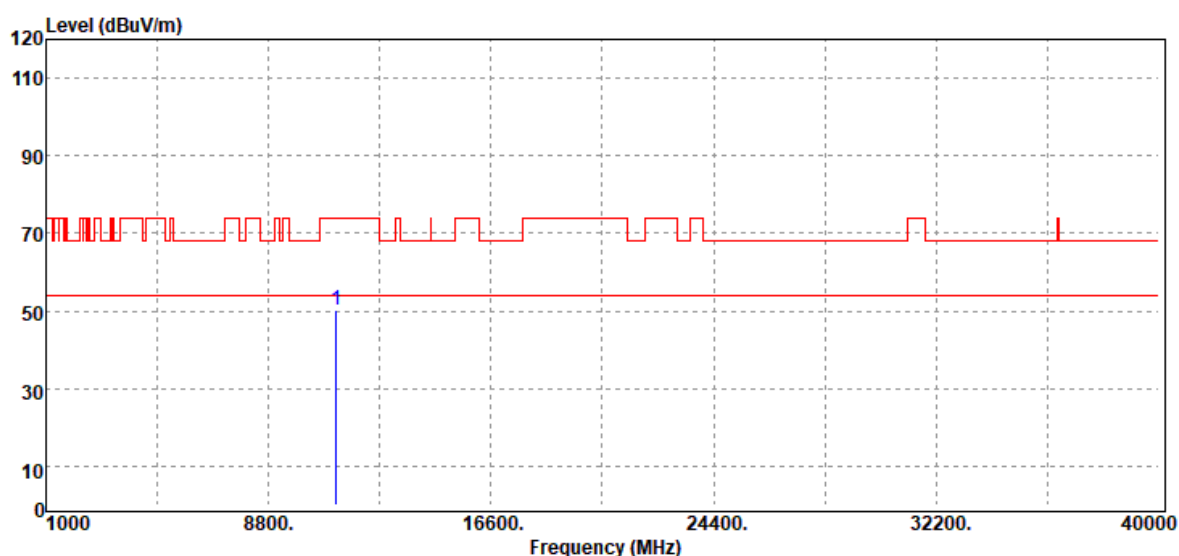


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Peak                         | 33.71                             | 16.02        | 49.73                  | 74.00                  | -24.27       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5580 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

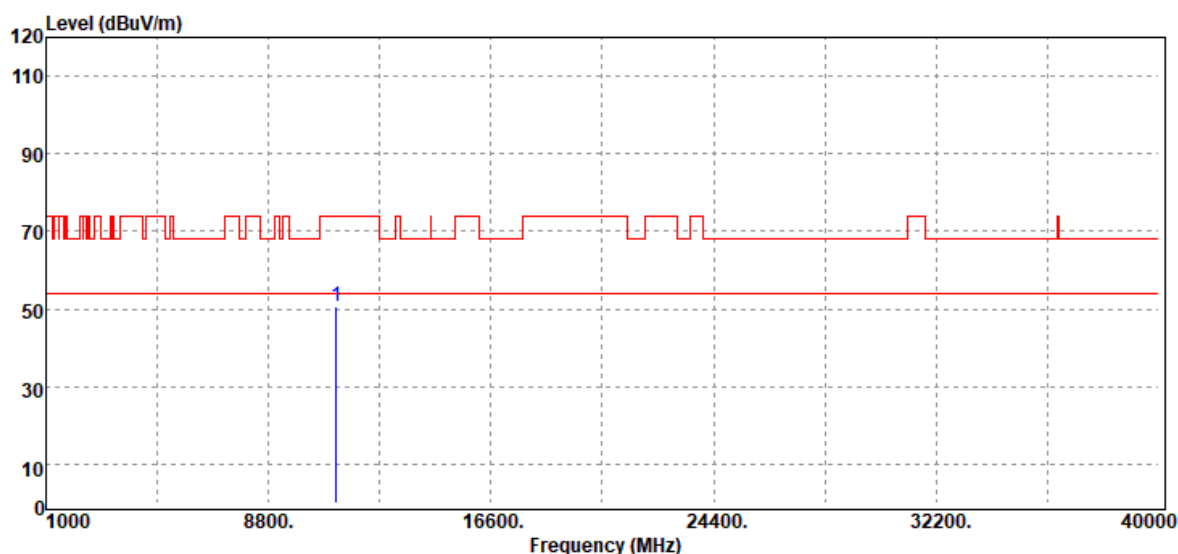


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.00     | Peak                         | 33.53                             | 16.70        | 50.23                  | 74.00                  | -23.77       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5580 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

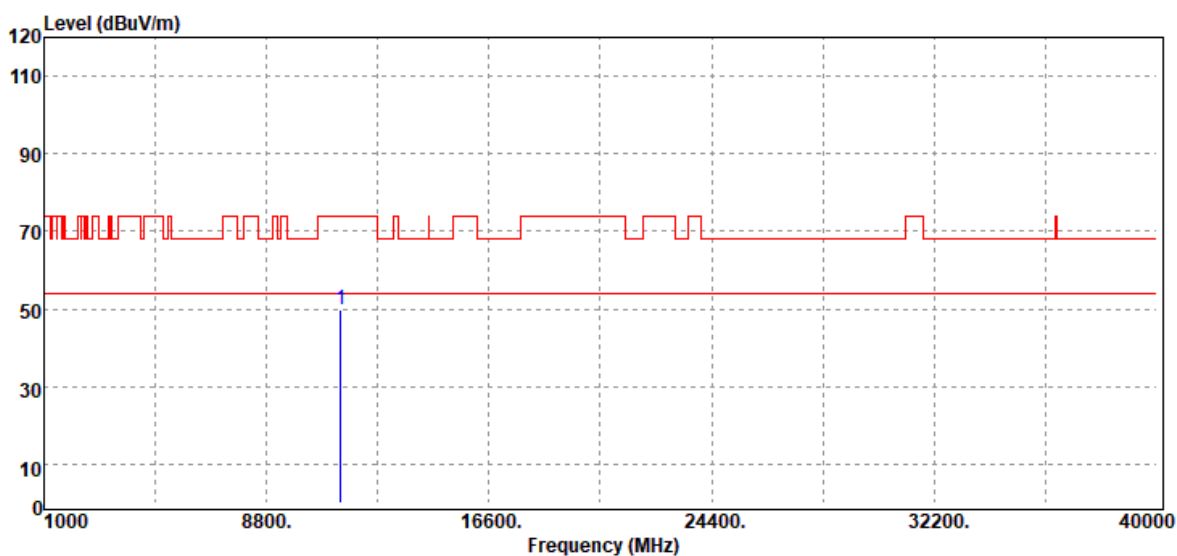


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.00     | Peak                         | 34.16                             | 16.70        | 50.86                  | 74.00                  | -23.14       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5700 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.00     | Peak                         | 33.75                             | 16.18        | 49.93                  | 74.00                  | -24.07       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5700 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

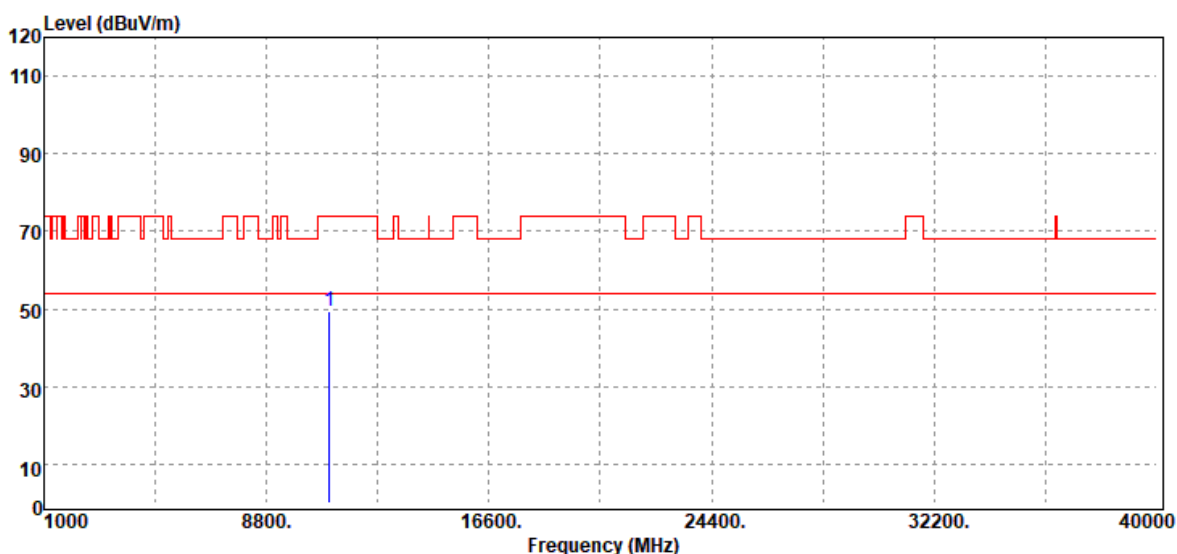


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.00     | Peak                         | 33.58                             | 16.18        | 49.76                  | 74.00                  | -24.24       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5500 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

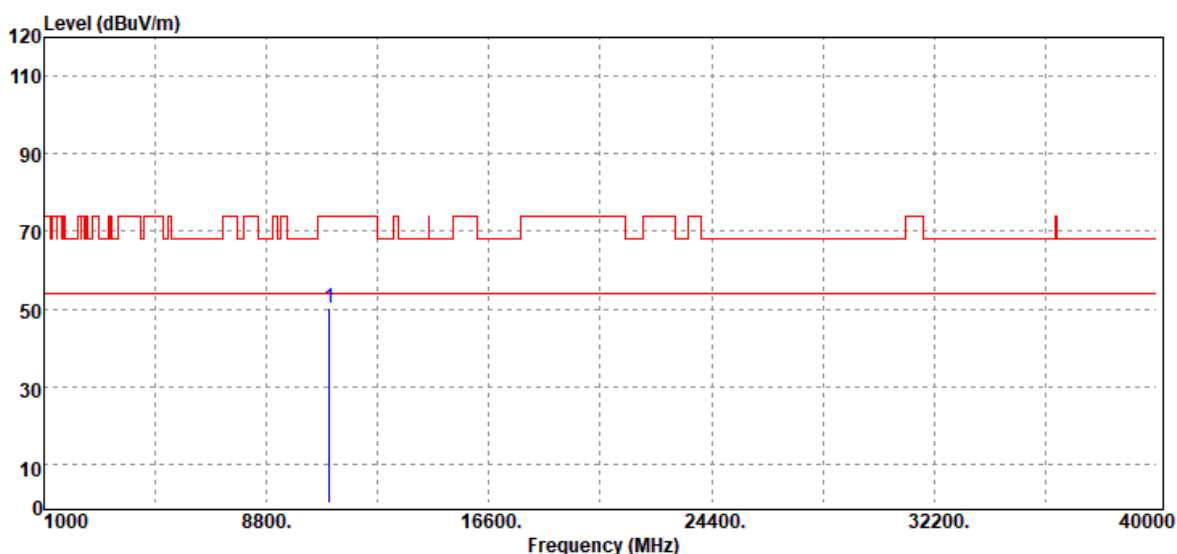


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Peak                         | 33.28                             | 16.02        | 49.30                  | 74.00                  | -24.70       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5500 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

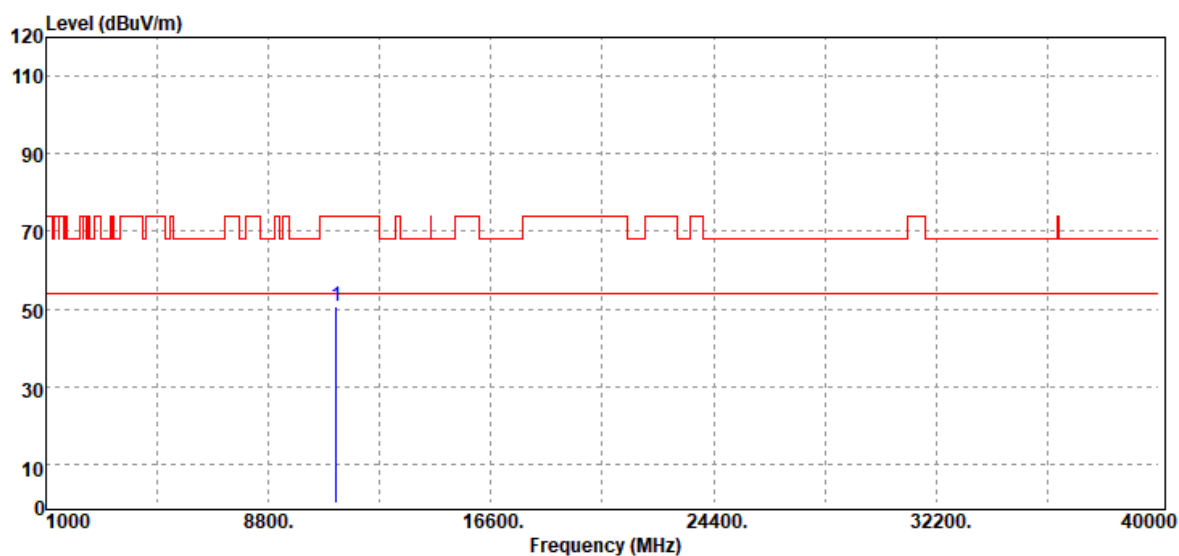


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11000.00     | Peak                         | 34.09                             | 16.02        | 50.11                  | 74.00                  | -23.89       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5580 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

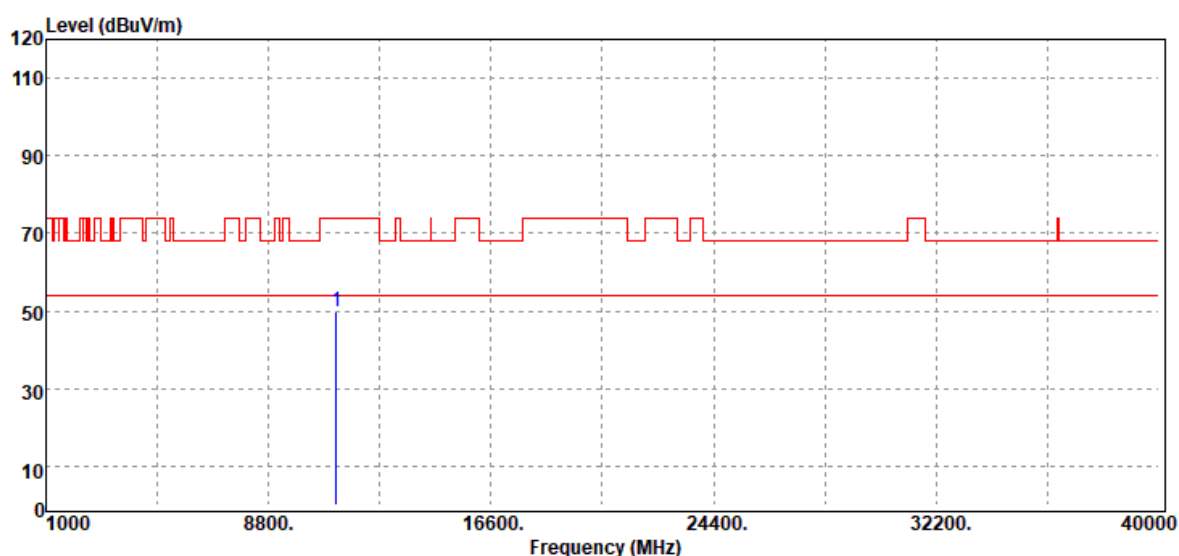


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.00     | Peak                         | 33.88                             | 16.70        | 50.58                  | 74.00                  | -23.42       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5580 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

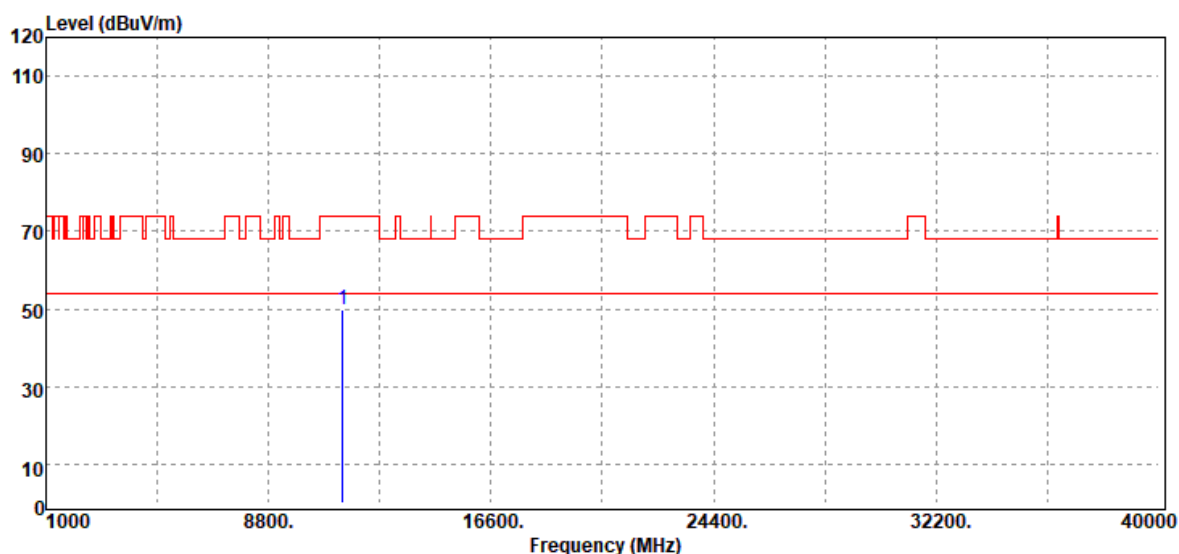


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11160.00     | Peak                         | 33.29                             | 16.70        | 49.99                  | 74.00                  | -24.01       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5700 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

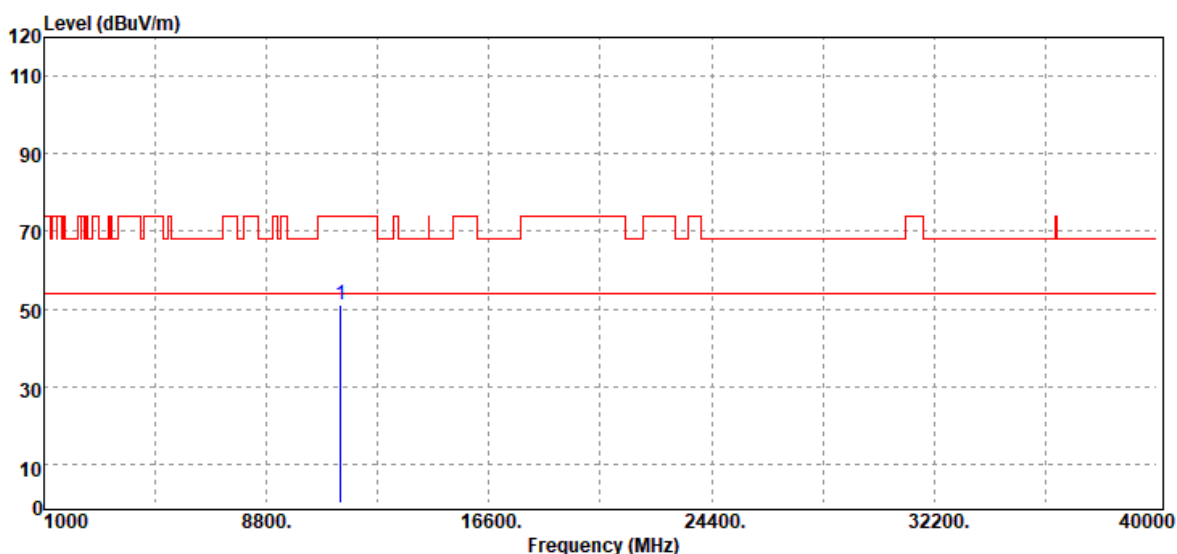


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.00     | Peak                         | 33.83                             | 16.18        | 50.01                  | 74.00                  | -23.99       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5700 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

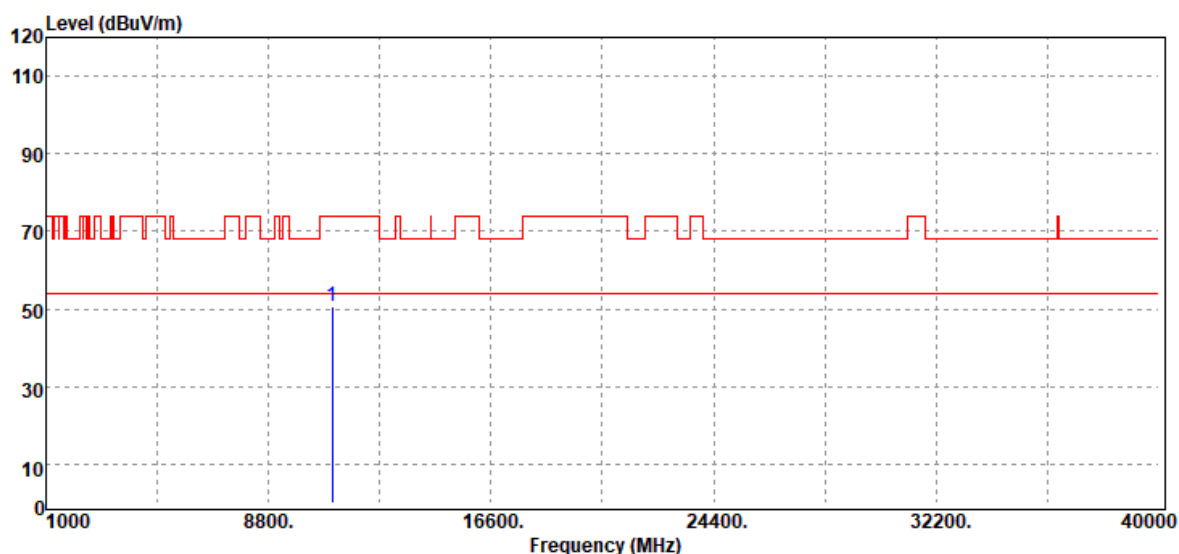


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11400.00     | Peak                         | 34.97                             | 16.18        | 51.15                  | 74.00                  | -22.85       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5510 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

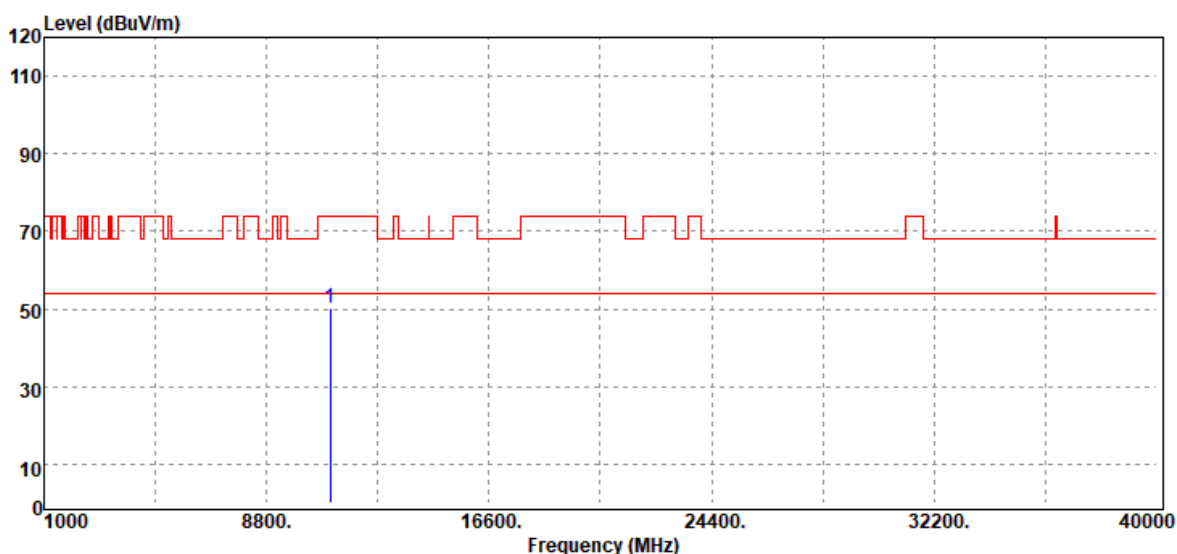


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11020.00     | Peak                         | 34.45                             | 16.18        | 50.63                  | 74.00                  | -23.37       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5510 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

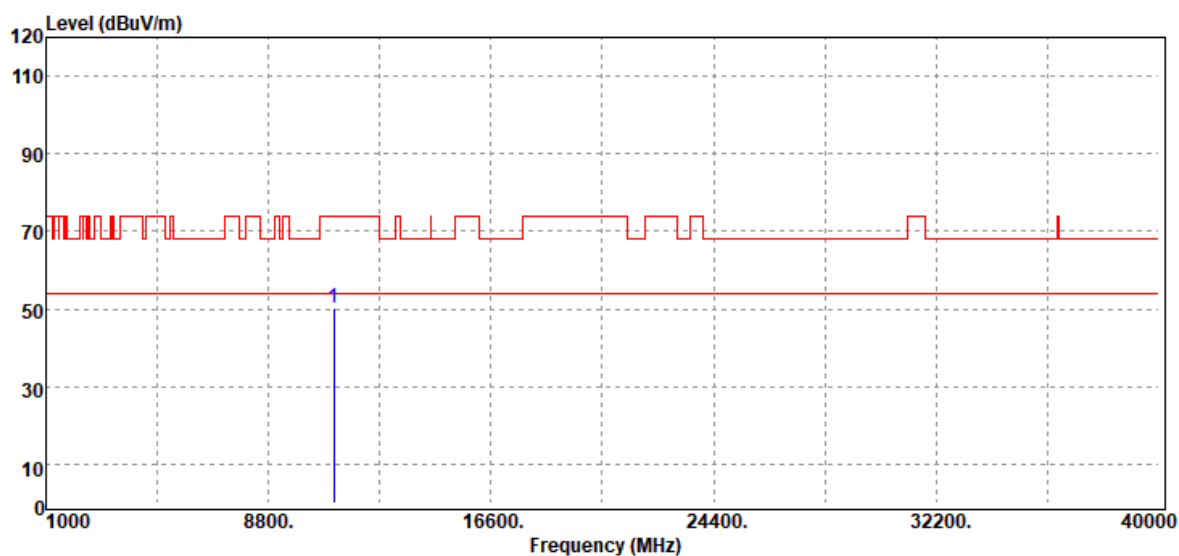


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11020.00     | Peak                         | 34.12                             | 16.18        | 50.30                  | 74.00                  | -23.70       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5550 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

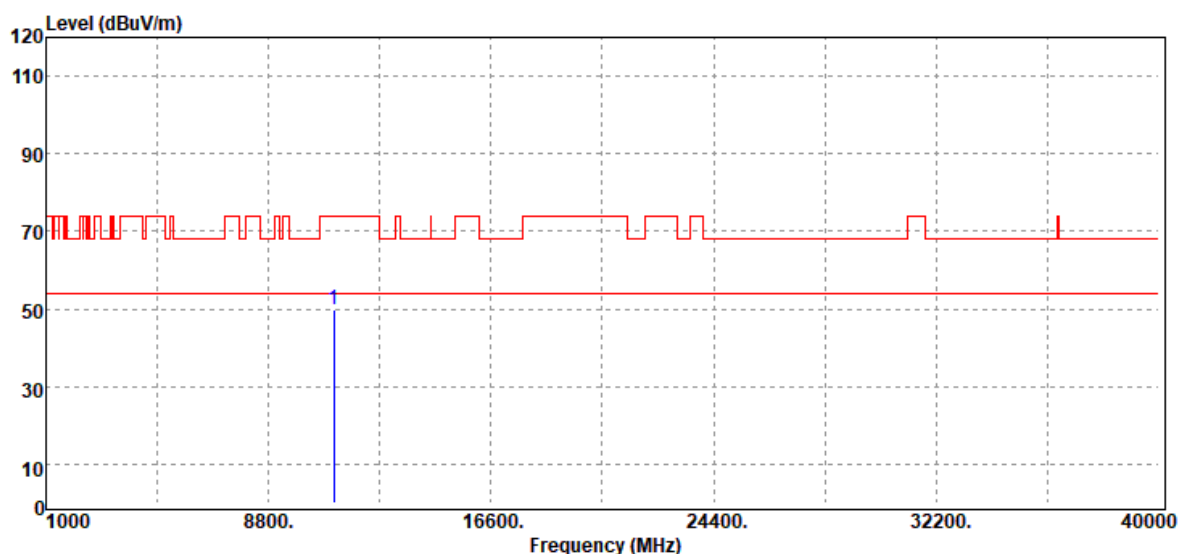


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11100.00     | Peak                         | 33.75                             | 16.55        | 50.30                  | 74.00                  | -23.70       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5550 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

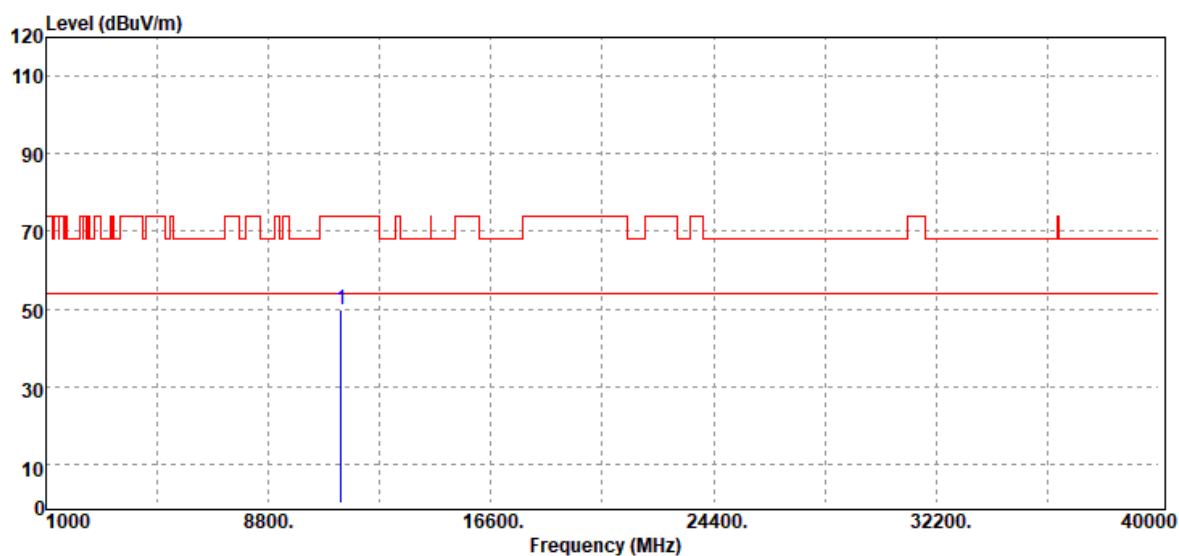


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11100.00     | Peak                         | 33.16                             | 16.55        | 49.71                  | 74.00                  | -24.29       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5670 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

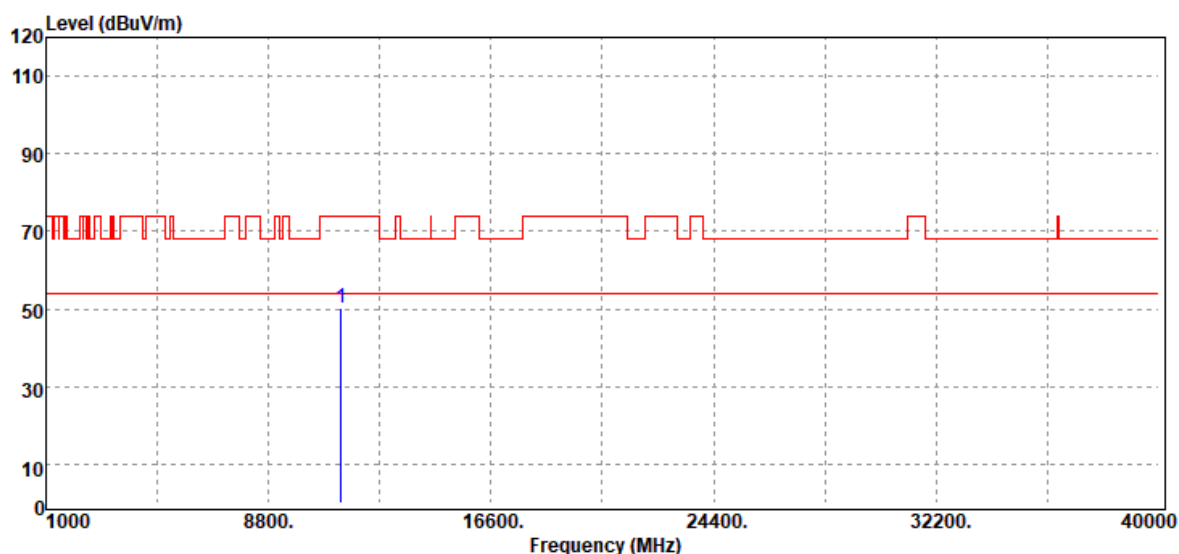


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11340.00     | Peak                         | 33.60                             | 16.43        | 50.03                  | 74.00                  | -23.97       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz / 5670 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

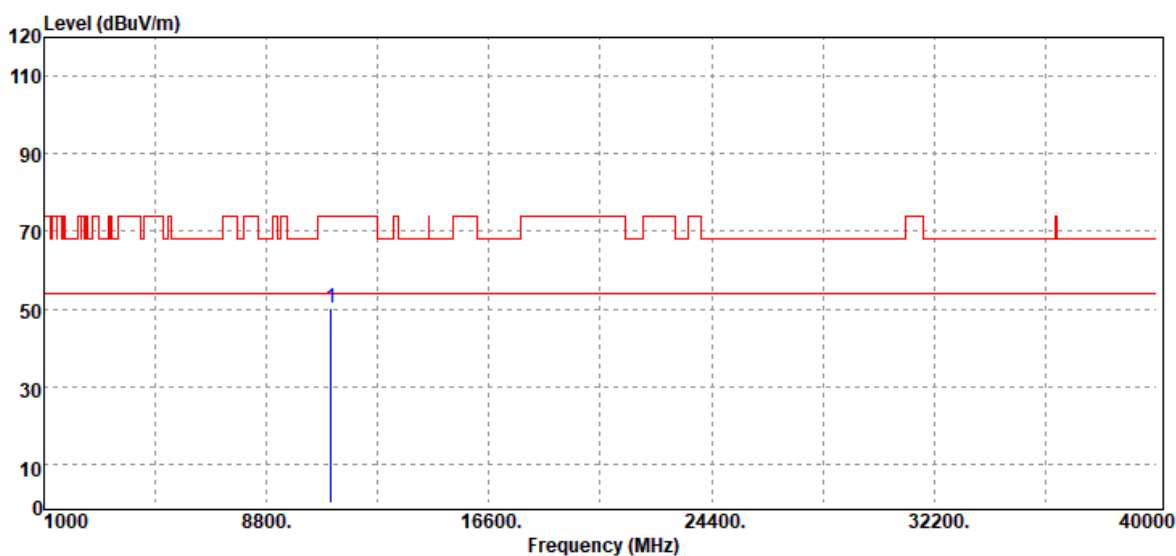


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11340.00     | Peak                         | 33.78                             | 16.43        | 50.21                  | 74.00                  | -23.79       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5530 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

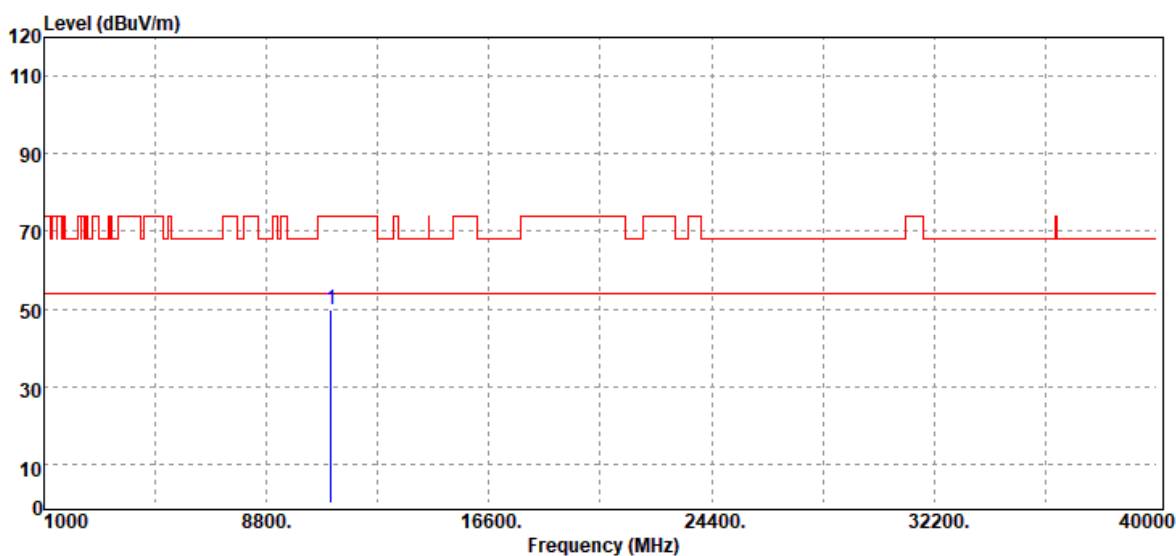


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11060.00     | Peak                         | 33.85                             | 16.45        | 50.30                  | 74.00                  | -23.70       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80 / 5530 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |



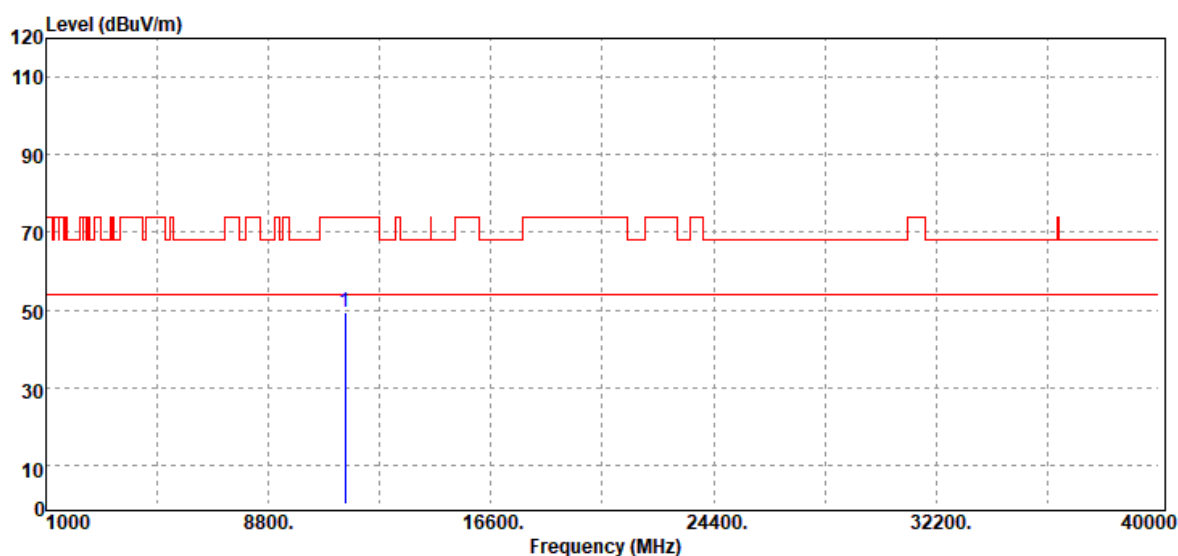
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11060.00     | Peak                         | 33.50                             | 16.45        | 49.95                  | 74.00                  | -24.05       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

### Test Data for UNII-3

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

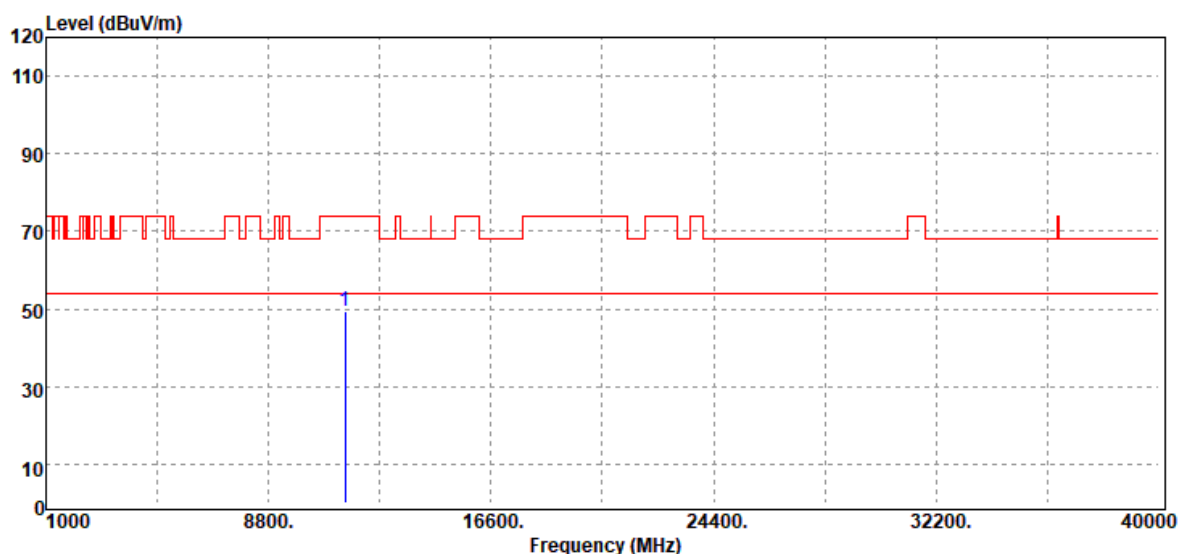


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Peak                         | 33.47                             | 16.01        | 49.48                  | 74.00                  | -24.52       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Peak                         | 33.37                             | 16.01        | 49.38                  | 74.00                  | -24.62       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5785 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

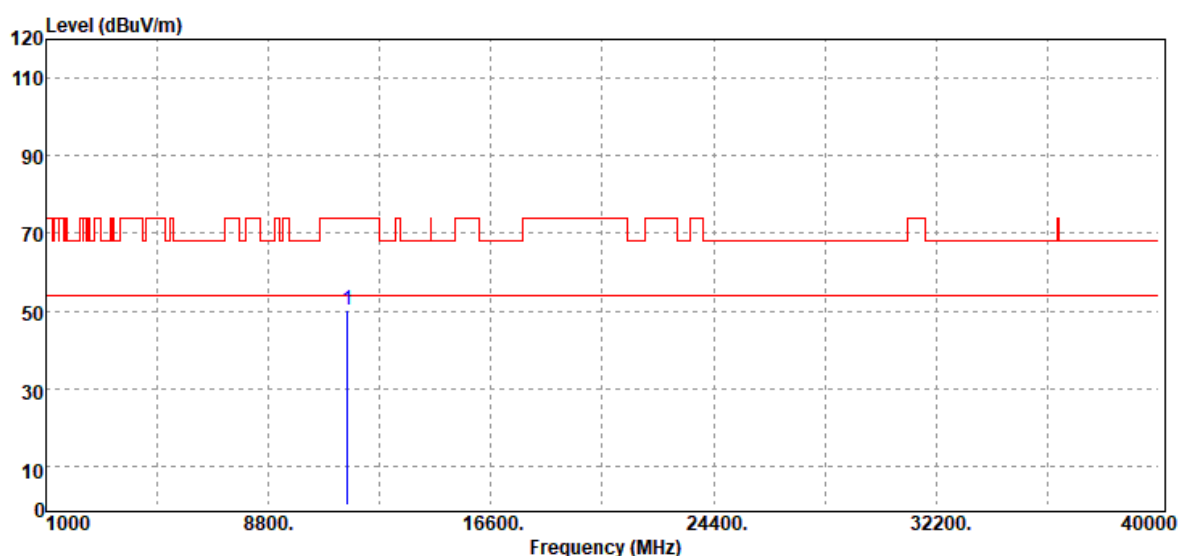


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.00     | Peak                         | 35.28                             | 16.08        | 51.36                  | 74.00                  | -22.64       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5785 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

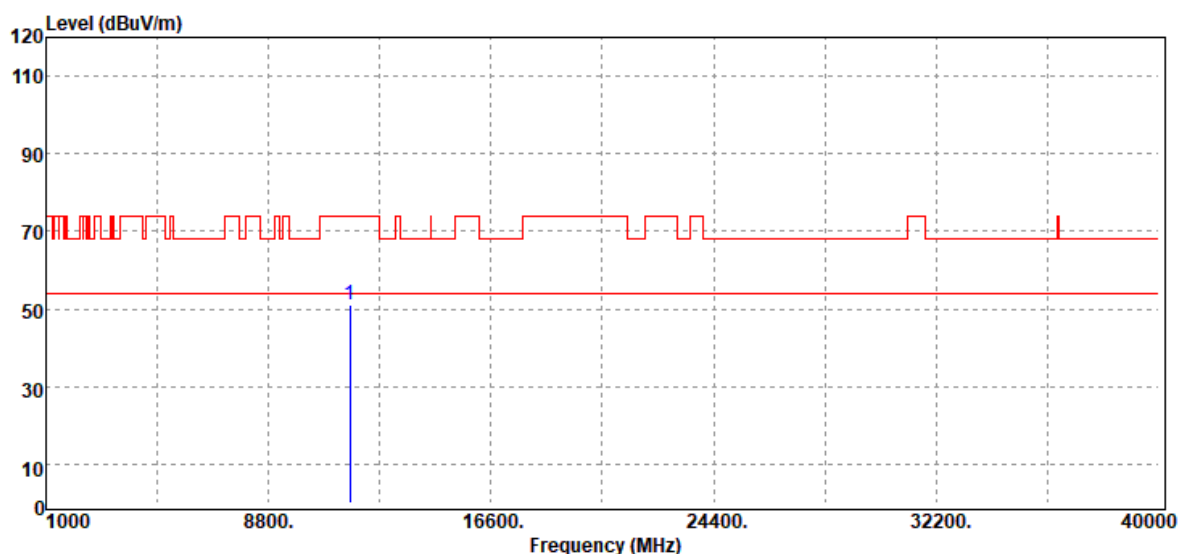


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.00     | Peak                         | 33.96                             | 16.08        | 50.04                  | 74.00                  | -23.96       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Vertical                | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

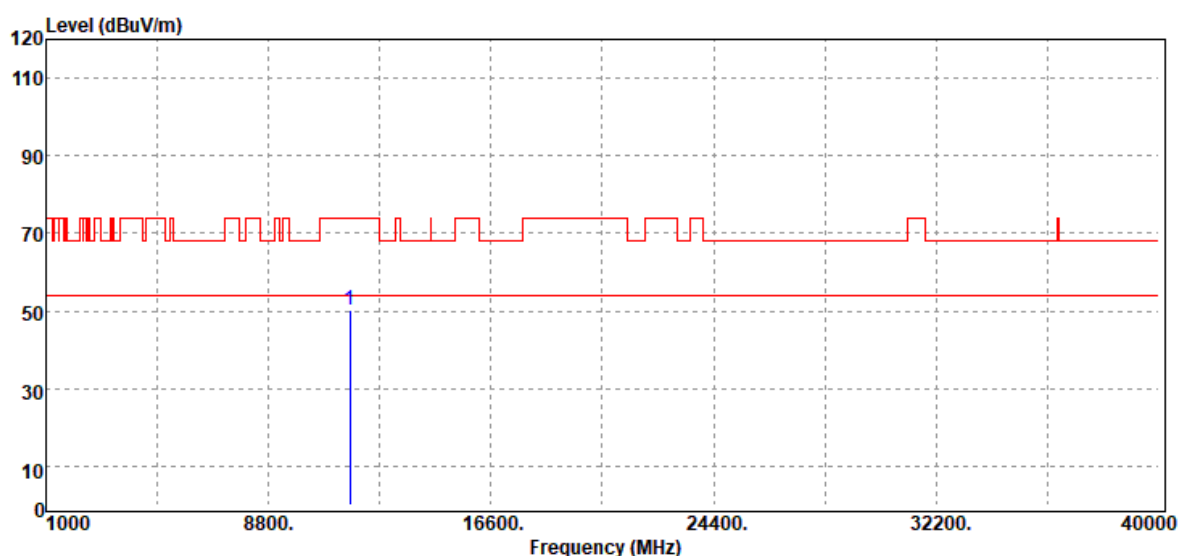


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.00     | Peak                         | 35.13                             | 16.06        | 51.19                  | 74.00                  | -22.81       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                         |               |                 |
|-----------|-------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                | Test Date     | April 7, 2020   |
| Polarize  | Horizontal              | Test Engineer | Jerry Chang     |
| Detector  | Peak                    |               |                 |

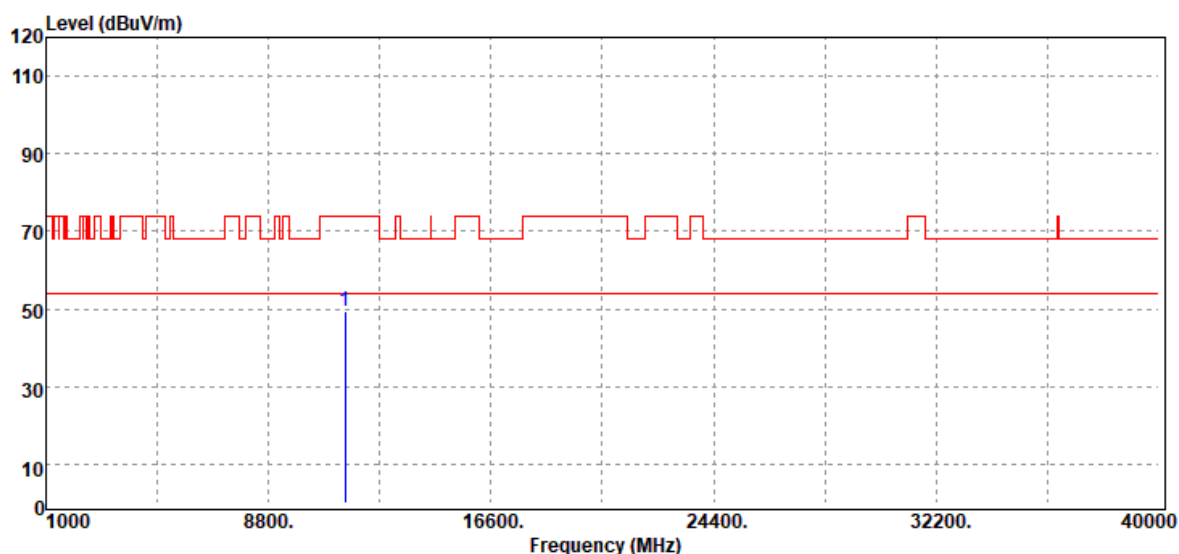


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.00     | Peak                         | 34.15                             | 16.06        | 50.21                  | 74.00                  | -23.79       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5745 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Vertical                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

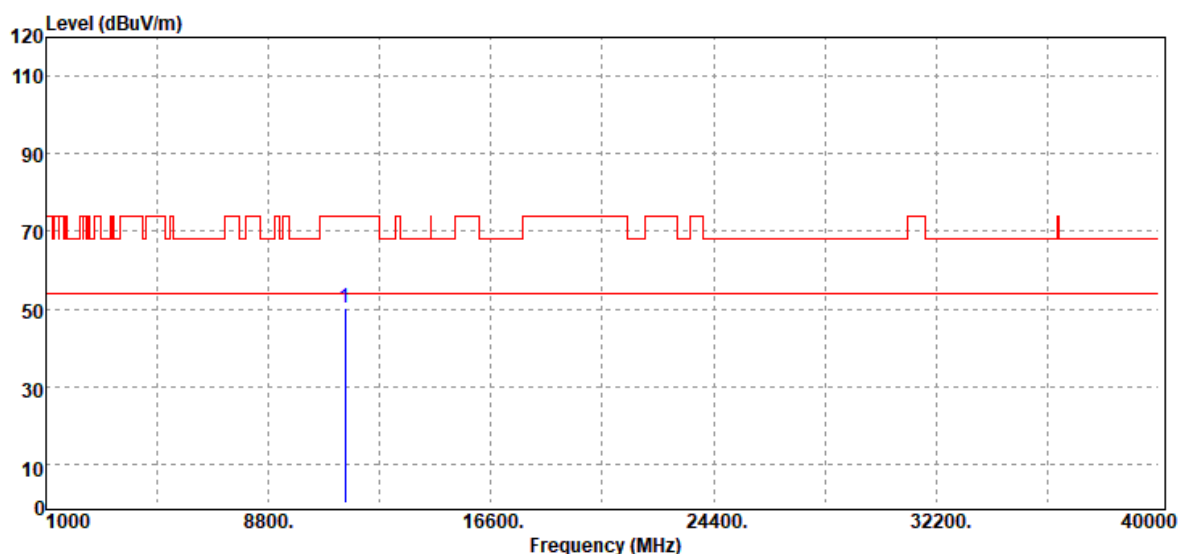


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Peak                         | 33.54                             | 16.01        | 49.55                  | 74.00                  | -24.45       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                |               |                 |
|-----------|--------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz / 5745 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                       | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chang     |
| Detector  | Peak                           |               |                 |

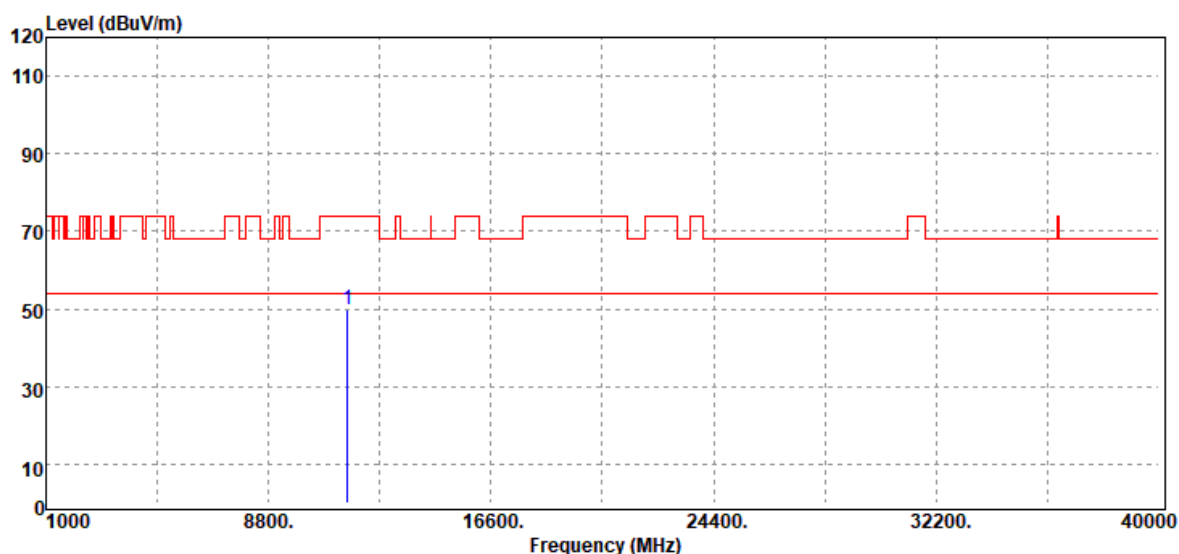


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11490.00     | Peak                         | 34.13                             | 16.01        | 50.14                  | 74.00                  | -23.86       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz/<br>5785 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                         | Test Date     | April 7, 2020   |
| Polarize  | Vertical                         | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |

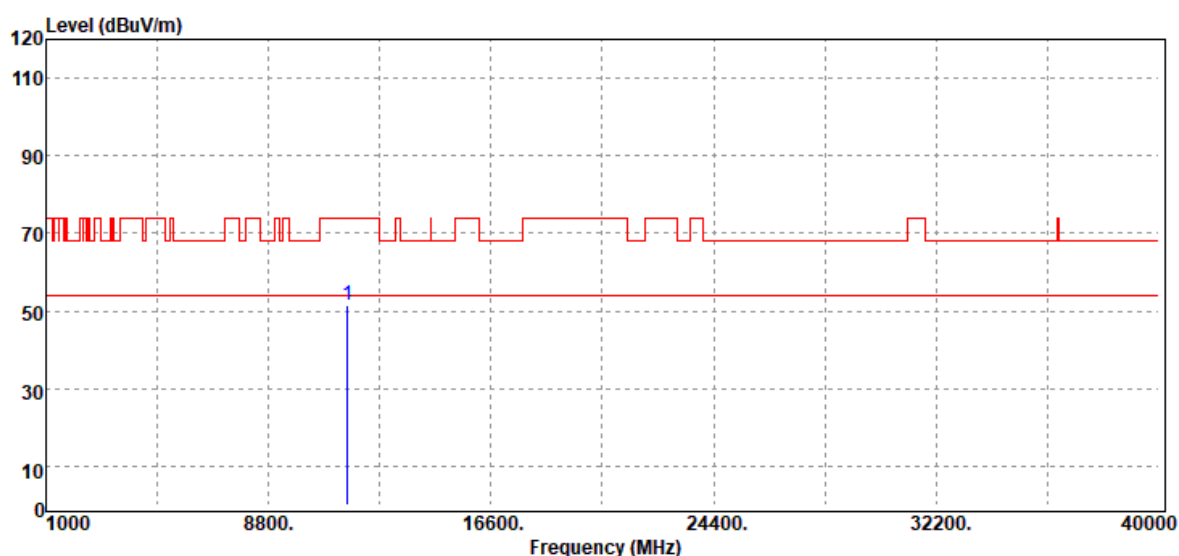


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.00     | Peak                         | 33.65                             | 16.08        | 49.73                  | 74.00                  | -24.27       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz/<br>5785 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                         | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |



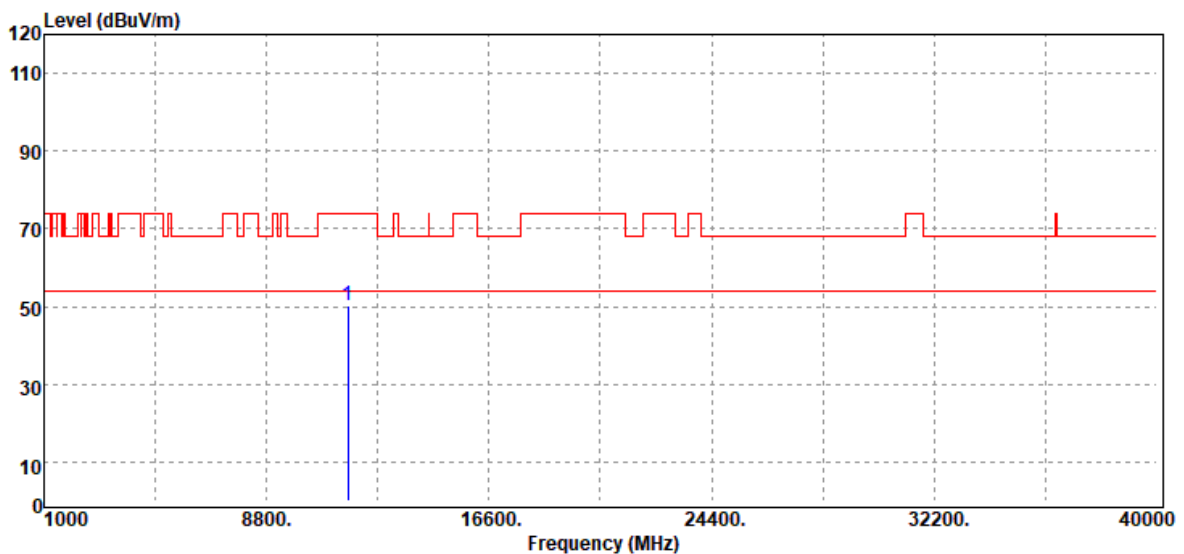
| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11570.00     | Peak                         | 35.23                             | 16.08        | 51.31                  | 74.00                  | -22.69       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

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|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz/<br>5825 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                         | Test Date     | April 7, 2020   |
| Polarize  | Vertical                         | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |

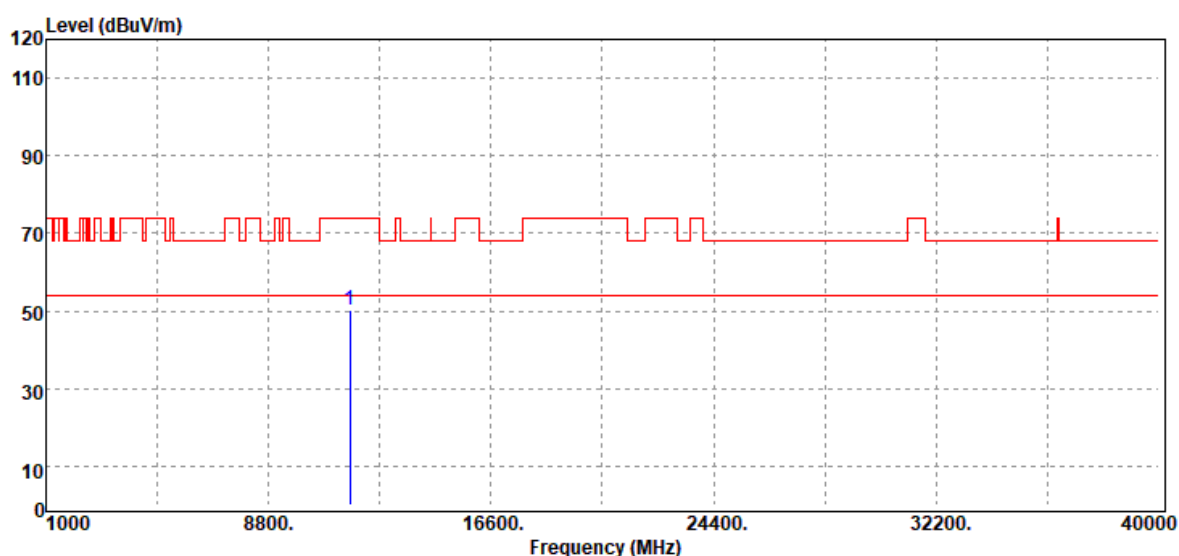


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.00     | Peak                         | 34.08                             | 16.06        | 50.14                  | 74.00                  | -23.86       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 20 MHz/<br>5825 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                         | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |

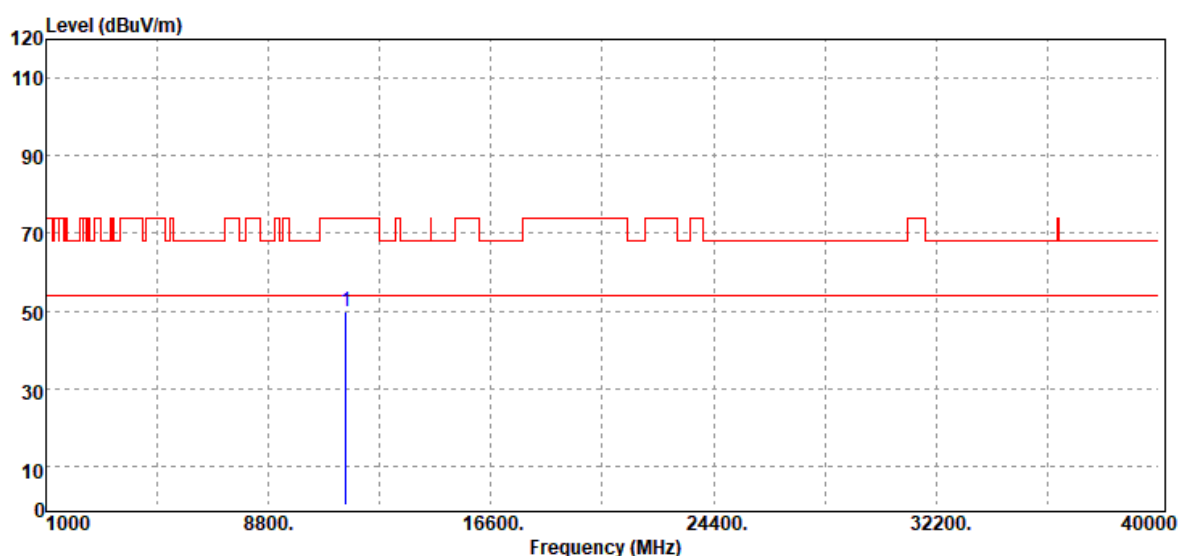


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11650.00     | Peak                         | 34.07                             | 16.06        | 50.13                  | 74.00                  | -23.87       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5755 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                         | Test Date     | April 7, 2020   |
| Polarize  | Vertical                         | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |

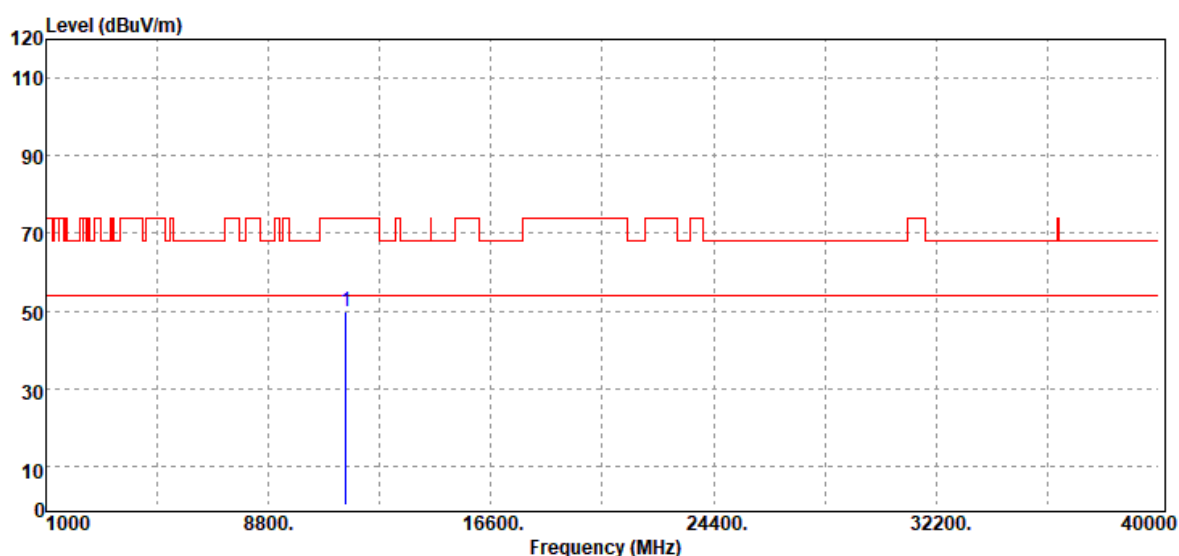


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11510.00     | Peak                         | 33.64                             | 16.01        | 49.65                  | 74.00                  | -24.35       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

### Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5755 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                         | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |

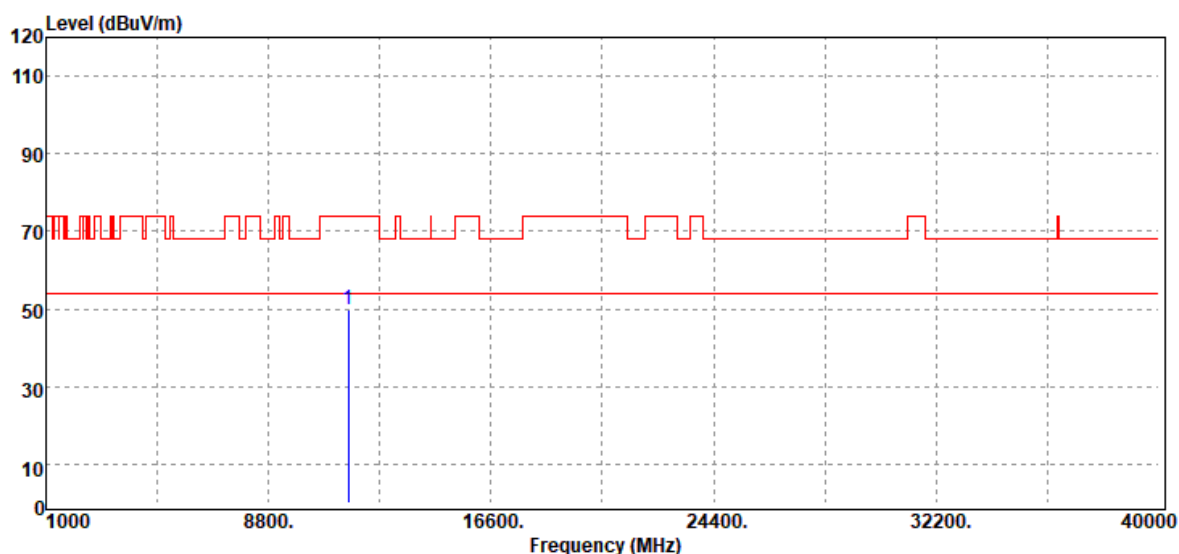


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11510.00     | Peak                         | 33.86                             | 16.01        | 49.87                  | 74.00                  | -24.13       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5795 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                         | Test Date     | April 7, 2020   |
| Polarize  | Vertical                         | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBuV | Factor<br>dB | Actual<br>FS<br>dBuV/m | Limit<br>@3m<br>dBuV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11590.00     | Peak                         | 33.97                             | 16.02        | 49.99                  | 74.00                  | -24.01       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5795 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                         | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |

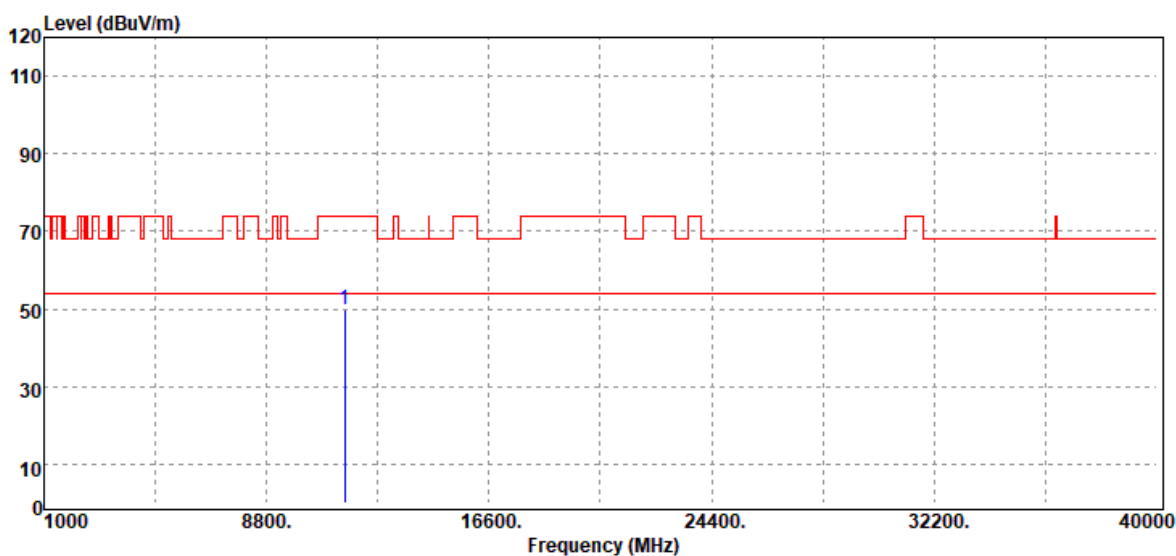


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11590.00     | Peak                         | 34.23                             | 16.02        | 50.25                  | 74.00                  | -23.75       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80/<br>5775 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                         | Test Date     | April 7, 2020   |
| Polarize  | Vertical                         | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |

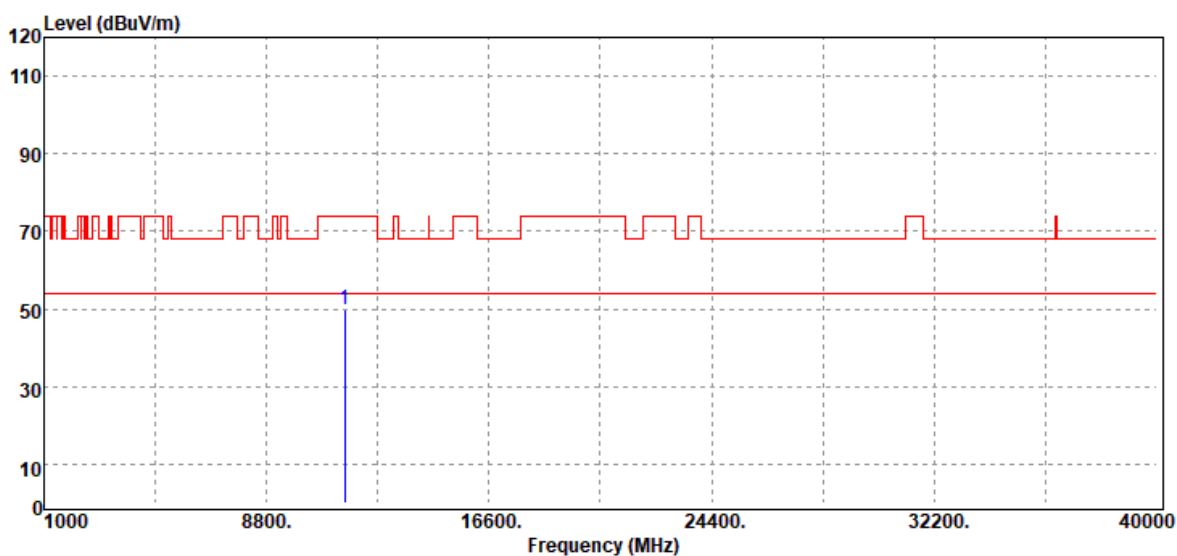


| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11550.00     | Peak                         | 33.79                             | 16.15        | 49.94                  | 74.00                  | -24.06       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

|           |                                  |               |                 |
|-----------|----------------------------------|---------------|-----------------|
| Test Mode | IEEE 802.11ac VHT80/<br>5775 MHz | Temp/Hum      | 22.1(°C)/ 58%RH |
| Test Item | Harmonic                         | Test Date     | April 7, 2020   |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chang     |
| Detector  | Peak                             |               |                 |



| Freq.<br>MHz | Detector<br>Mode<br>PK/QP/AV | Spectrum<br>Reading Level<br>dBμV | Factor<br>dB | Actual<br>FS<br>dBμV/m | Limit<br>@3m<br>dBμV/m | Margin<br>dB |
|--------------|------------------------------|-----------------------------------|--------------|------------------------|------------------------|--------------|
| 11550.00     | Peak                         | 33.77                             | 16.15        | 49.92                  | 74.00                  | -24.08       |
| N/A          |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |
|              |                              |                                   |              |                        |                        |              |

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit

## 4.6 FREQUENCY STABILITY

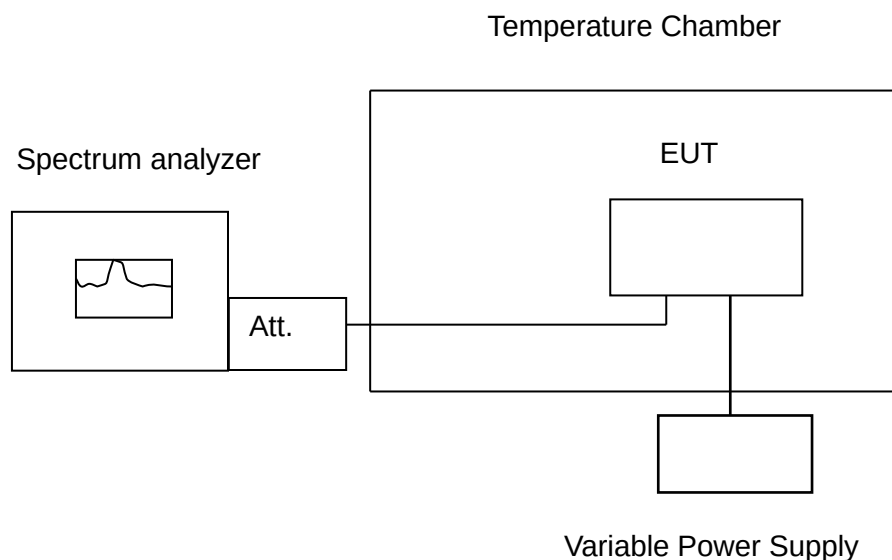
### 4.6.1 Test Limit

According to RSS-Gen(6.11) manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the operational description.

### 4.6.2 Test Procedure

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -10°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +70°C reached.

### 4.6.3 Test Setup





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#### 4.6.4 Test Result

| Temp. (°C)           | Voltage (V) | Measured Frequency | 5180       |            | (MHz)      | Limit    |          |          |          | Result |
|----------------------|-------------|--------------------|------------|------------|------------|----------|----------|----------|----------|--------|
|                      |             | Time (min)         |            |            |            | 20ppm    |          |          |          |        |
| Operating Frequency: |             | 0 min              | 2 min      | 5 min      | 10 min     | 0 min    | 2 min    | 5 min    | 10 min   |        |
| 70                   | 5           | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| 60                   | 5           | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| 50                   | 5           | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| 40                   | 5           | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| 30                   | 5           | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| 20                   | 5           | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| 10                   | 5           | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| 0                    | 5           | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| -10                  | 5           | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| Temp. (°C)           | Voltage (V) | Measured Frequency | 5180       |            | (MHz)      | Limit    |          |          |          | Result |
|                      |             | Time (min)         |            |            |            | 20ppm    |          |          |          |        |
| Operating Frequency: |             | 0 min              | 2 min      | 5 min      | 10 min     | 0 min    | 2 min    | 5 min    | 10 min   |        |
| 25                   | 4.5         | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| 25                   | 5           | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |
| 25                   | 5.5         | 5179.94790         | 5179.94790 | 5179.94790 | 5179.94790 | -10.0579 | -10.0579 | -10.0579 | -10.0579 | Pass   |



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| Temp. (°C)           | Voltage (V) | Measured Frequency | 5260       |            | (MHz)      | Limit   |         |         |         | Result |
|----------------------|-------------|--------------------|------------|------------|------------|---------|---------|---------|---------|--------|
|                      |             | Time (min)         |            |            |            | 20ppm   |         |         |         |        |
| Operating Frequency: |             | 0 min              | 2 min      | 5 min      | 10 min     | 0 min   | 2 min   | 5 min   | 10 min  |        |
| 70                   | 5           | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| 60                   | 5           | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| 50                   | 5           | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| 40                   | 5           | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| 30                   | 5           | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| 20                   | 5           | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| 10                   | 5           | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| 0                    | 5           | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| -10                  | 5           | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| Temp. (°C)           | Voltage (V) | Measured Frequency | 5260       |            | (MHz)      | Limit   |         |         |         | Result |
|                      |             | Time (min)         |            |            |            | 20ppm   |         |         |         |        |
| Operating Frequency: |             | 0 min              | 2 min      | 5 min      | 10 min     | 0 min   | 2 min   | 5 min   | 10 min  |        |
| 25                   | 4.5         | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| 25                   | 5           | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |
| 25                   | 5.5         | 5259.94790         | 5259.94790 | 5259.94790 | 5259.94790 | -9.9049 | -9.9049 | -9.9049 | -9.9049 |        |



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| Temp. (°C)           | Voltage (V) | Measured Frequency | 5500       |            | (MHz)      | Limit   |         |         |         | Result |
|----------------------|-------------|--------------------|------------|------------|------------|---------|---------|---------|---------|--------|
|                      |             | Time (min)         |            |            |            | 20ppm   |         |         |         |        |
| Operating Frequency: |             | 0 min              | 2 min      | 5 min      | 10 min     | 0 min   | 2 min   | 5 min   | 10 min  |        |
| 70                   | 5           | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| 60                   | 5           | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| 50                   | 5           | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| 40                   | 5           | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| 30                   | 5           | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| 20                   | 5           | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| 10                   | 5           | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| 0                    | 5           | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| -10                  | 5           | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| Temp. (°C)           | Voltage (V) | Measured Frequency | 5500       |            | (MHz)      | Limit   |         |         |         | Result |
|                      |             | Time (min)         |            |            |            | 20ppm   |         |         |         |        |
| Operating Frequency: |             | 0 min              | 2 min      | 5 min      | 10 min     | 0 min   | 2 min   | 5 min   | 10 min  |        |
| 25                   | 4.5         | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| 25                   | 5           | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |
| 25                   | 5.5         | 5499.94600         | 5499.94600 | 5499.94600 | 5499.94600 | -9.8182 | -9.8182 | -9.8182 | -9.8182 |        |



Report No.: T200316C02-RP2

| Temp. (°C)           | Voltage (V) | Measured Frequency | 5745       |            | (MHz)      | Limit   |         |         |         | Result |
|----------------------|-------------|--------------------|------------|------------|------------|---------|---------|---------|---------|--------|
|                      |             | Time (min)         |            |            |            | 20ppm   |         |         |         |        |
| Operating Frequency: |             | 0 min              | 2 min      | 5 min      | 10 min     | 0 min   | 2 min   | 5 min   | 10 min  |        |
| 70                   | 5           | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| 60                   | 5           | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| 50                   | 5           | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| 40                   | 5           | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| 30                   | 5           | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| 20                   | 5           | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| 10                   | 5           | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| 0                    | 5           | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| -10                  | 5           | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| Temp. (°C)           | Voltage (V) | Measured Frequency | 5745       |            | (MHz)      | Limit   |         |         |         | Result |
|                      |             | Time (min)         |            |            |            | 20ppm   |         |         |         |        |
| Operating Frequency: |             | 0 min              | 2 min      | 5 min      | 10 min     | 0 min   | 2 min   | 5 min   | 10 min  |        |
| 25                   | 4.5         | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| 25                   | 5           | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |
| 25                   | 5.5         | 5744.94360         | 5744.94360 | 5744.94360 | 5744.94360 | -9.8172 | -9.8172 | -9.8172 | -9.8172 | Pass   |

--End of Test Report--