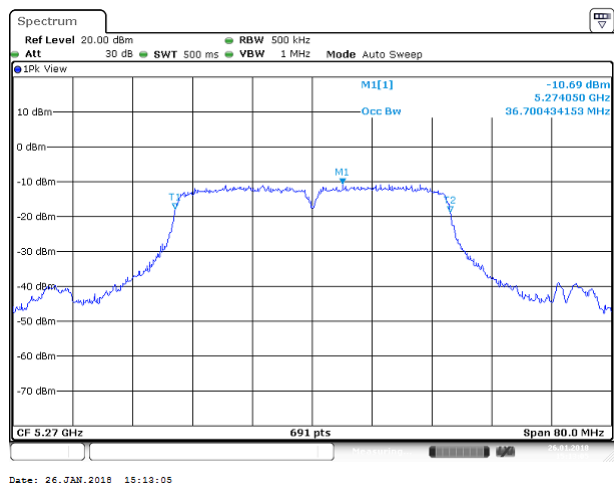
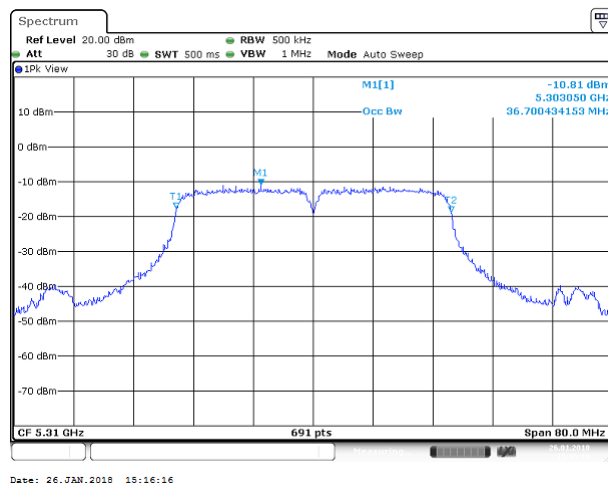


## UNII-2a IEEE 802.11n 40 MHz mode- chain 0

## Low CH

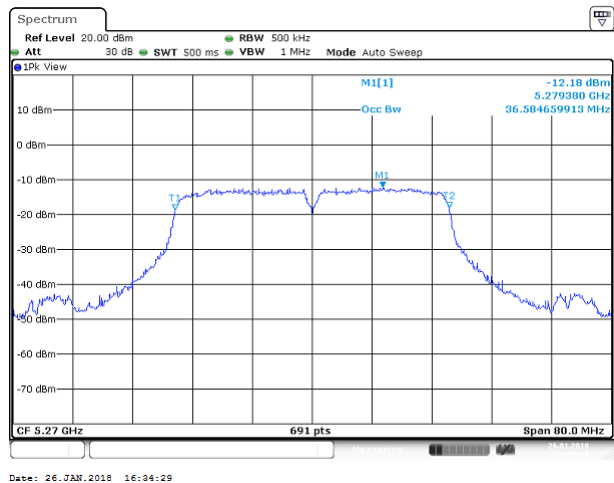


## High CH

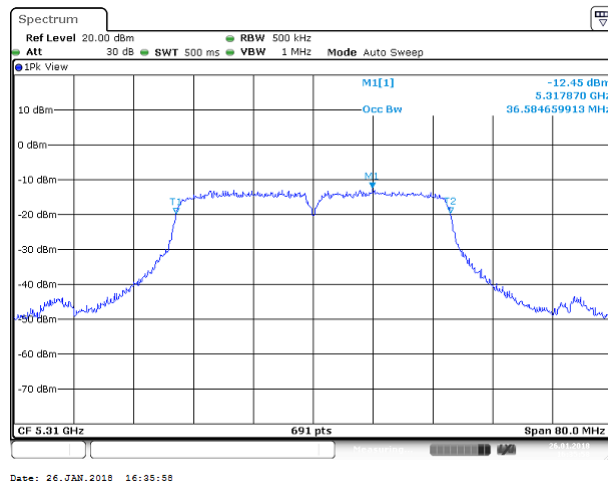


## UNII-2a IEEE 802.11n 40 MHz mode- chain 1

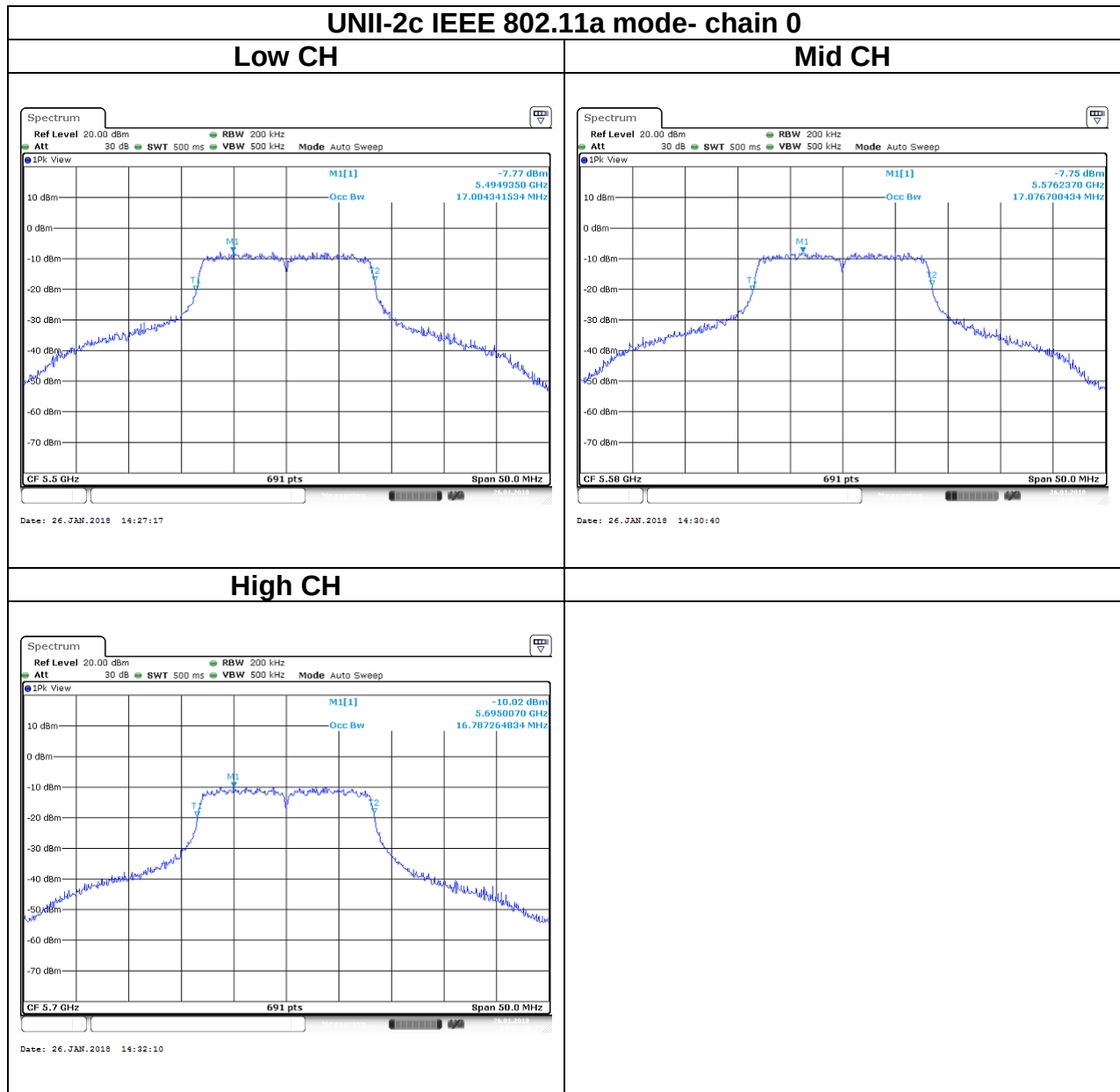
## Low CH



## High CH

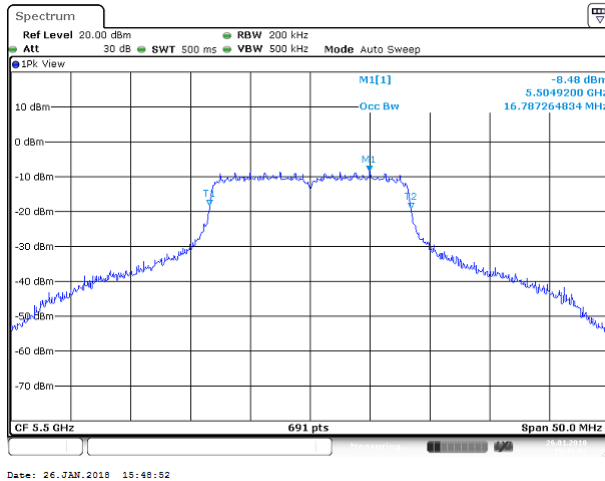


## Test Data

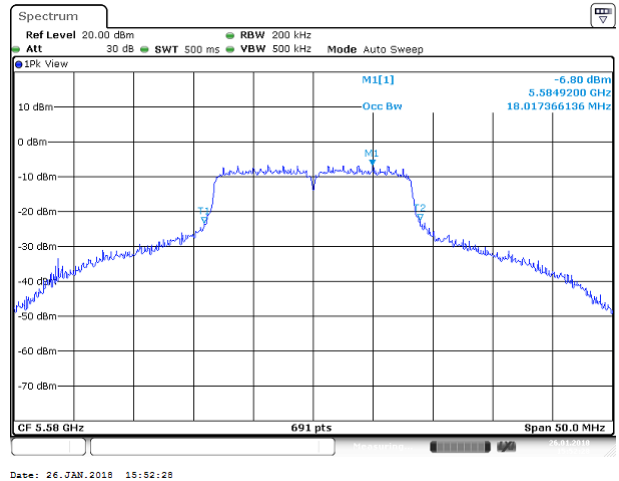


## UNII-2c IEEE 802.11a mode- chain 1

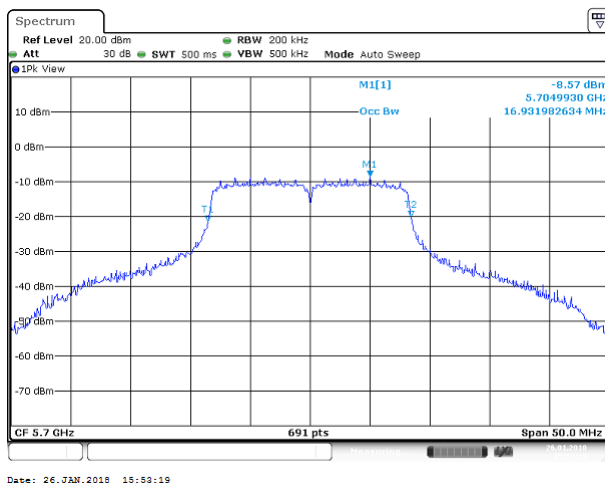
### Low CH



### Mid CH

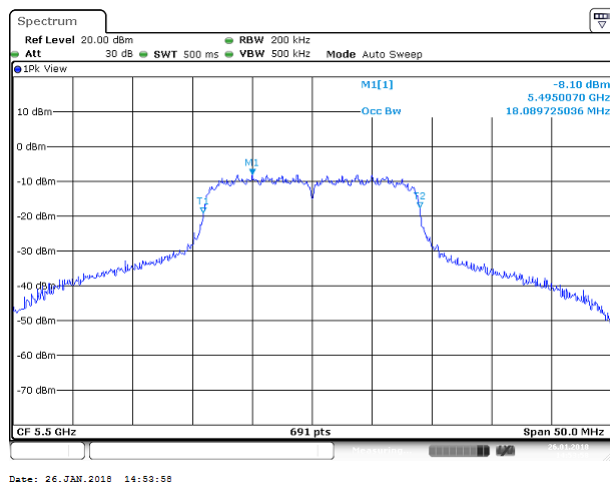


### High CH

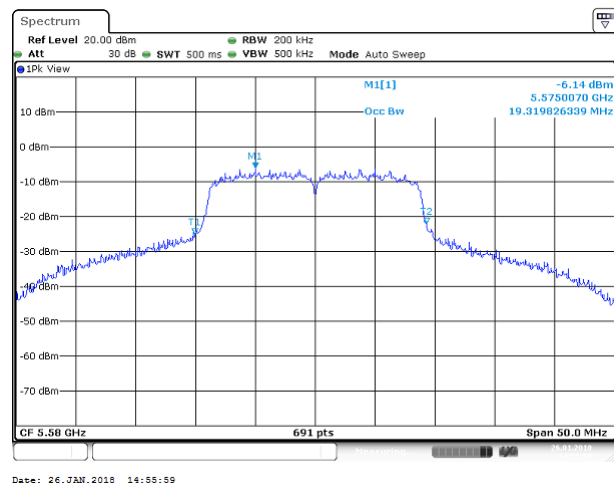


## UNII-2c IEEE 802.11n 20 MHz mode- chain 0

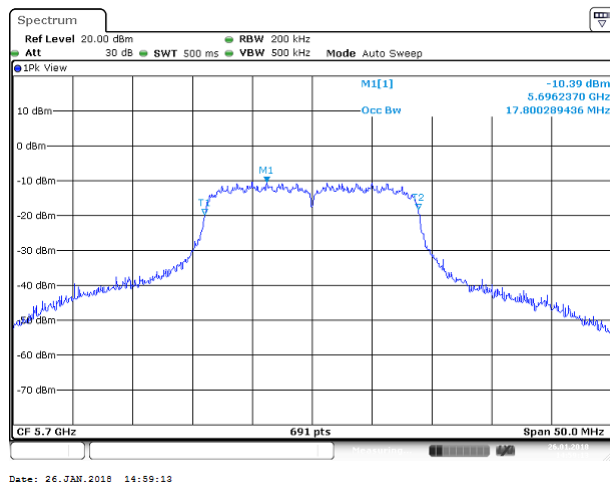
### Low CH



### Mid CH

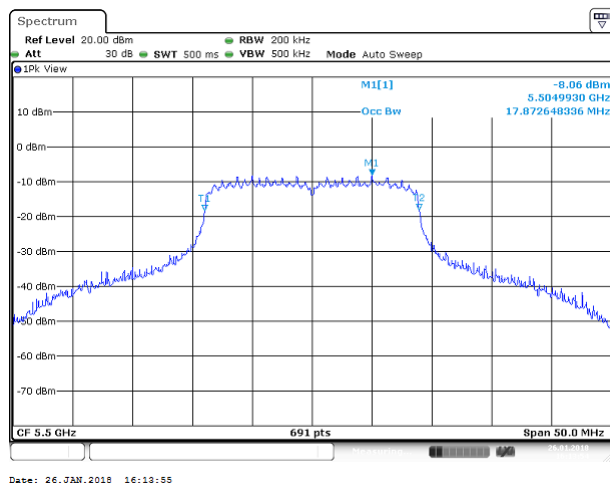


### High CH

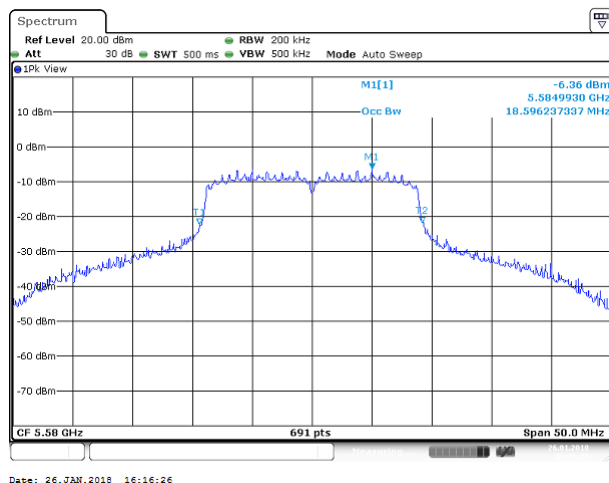


## UNII-2c IEEE 802.11n 20 MHz mode- chain 1

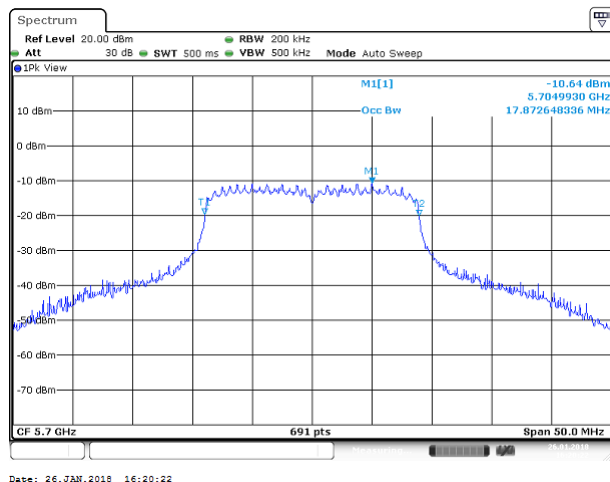
### Low CH



### Mid CH

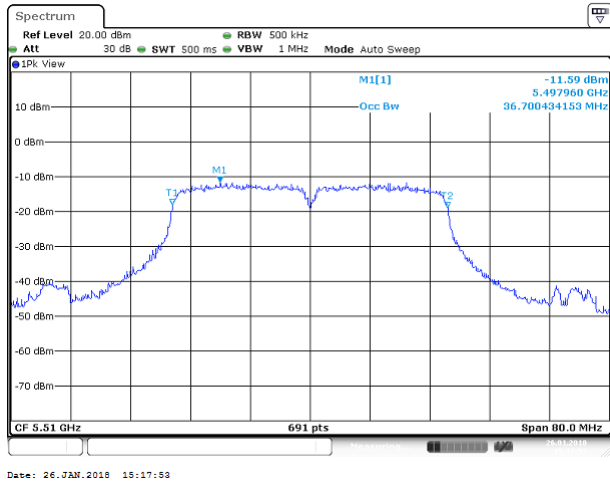


### High CH

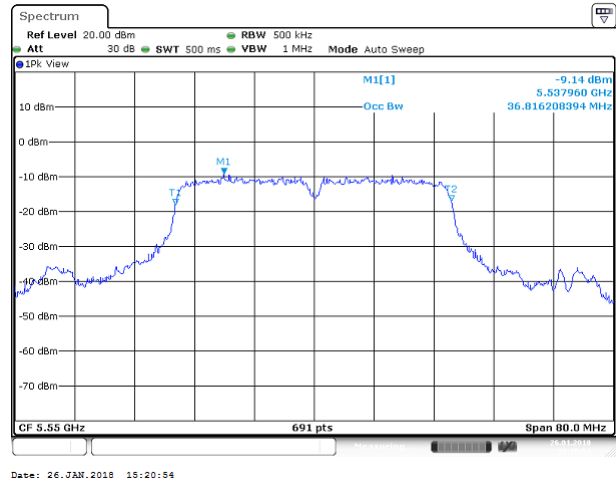


## UNII-2c IEEE 802.11n 40 MHz mode- chain 0

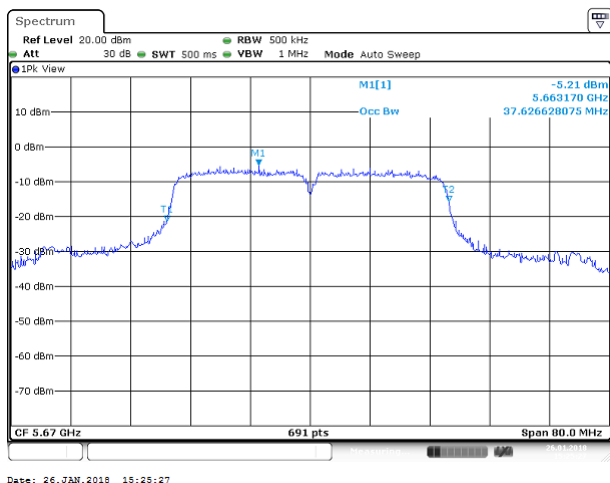
### Low CH



### Mid CH

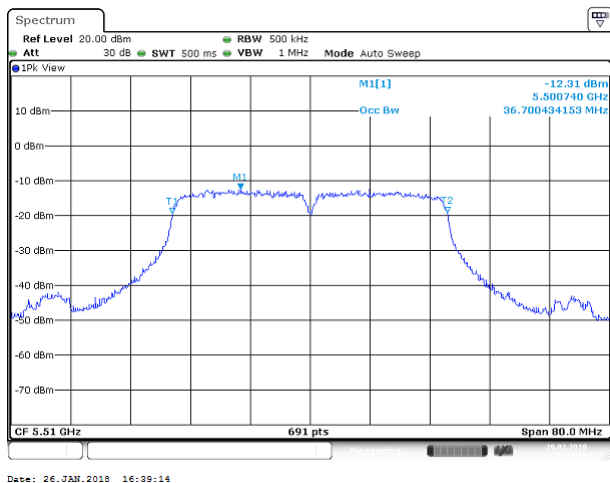


### High CH

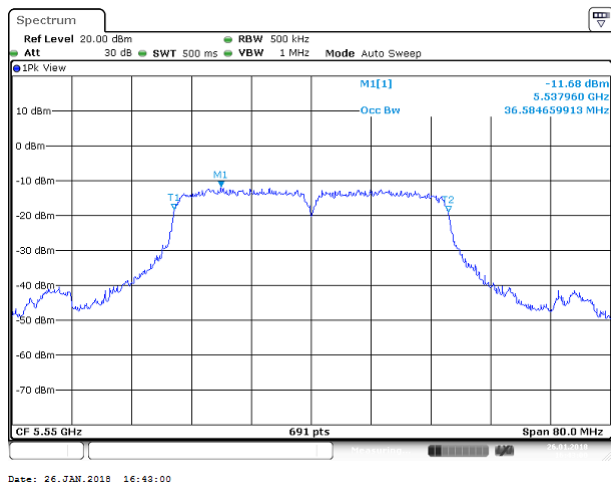


## UNII-2c IEEE 802.11n 40 MHz mode- chain 1

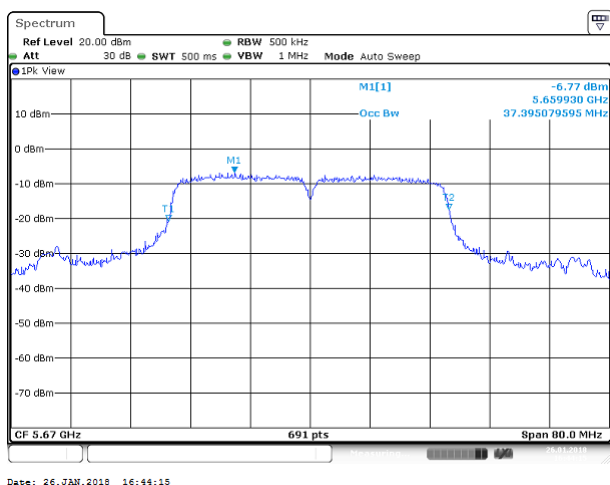
## Low CH



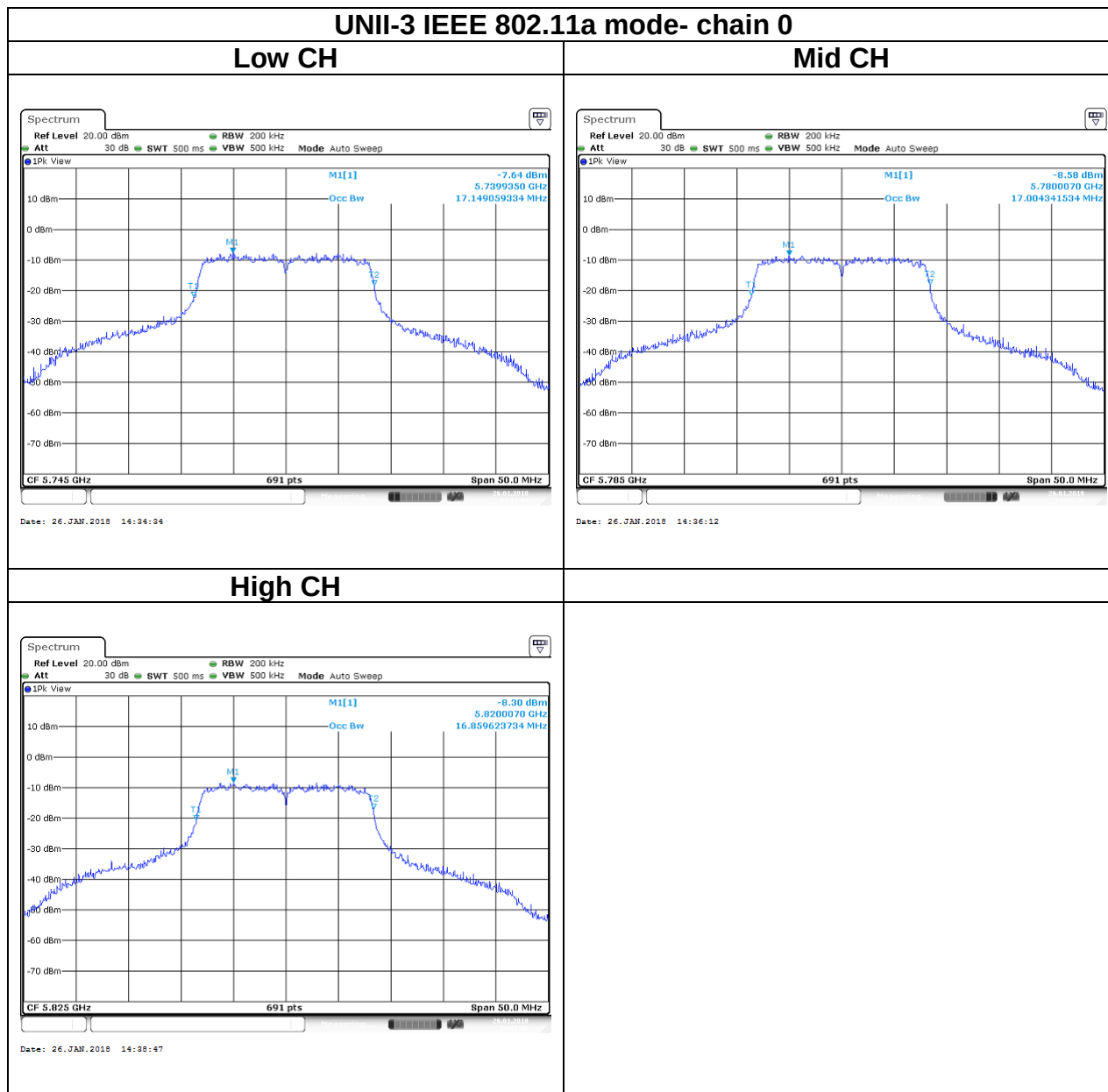
## Mid CH



## High CH

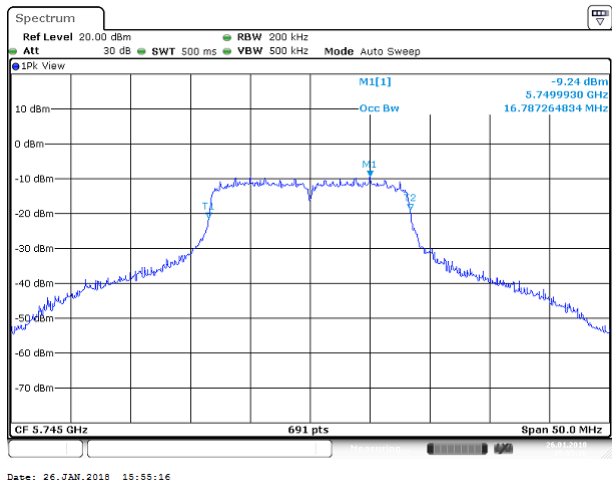


## Test Data

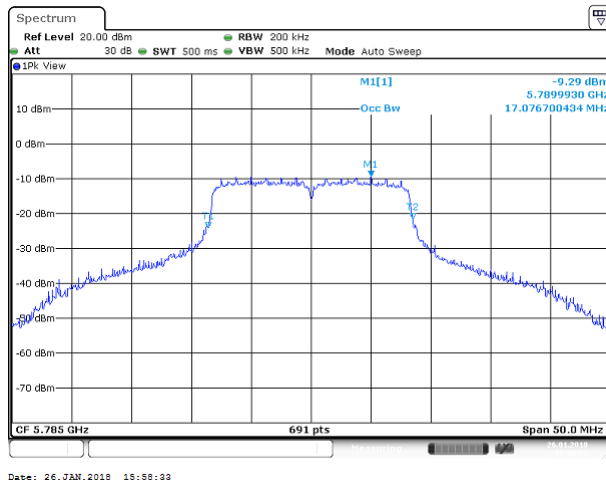


## UNII-3 IEEE 802.11a mode- chain 1

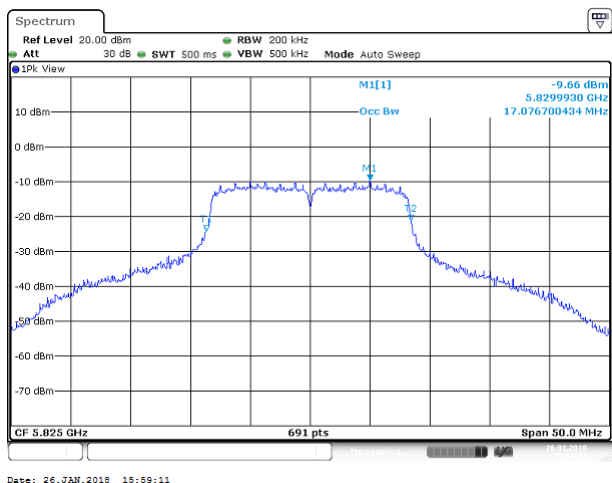
### Low CH



### Mid CH

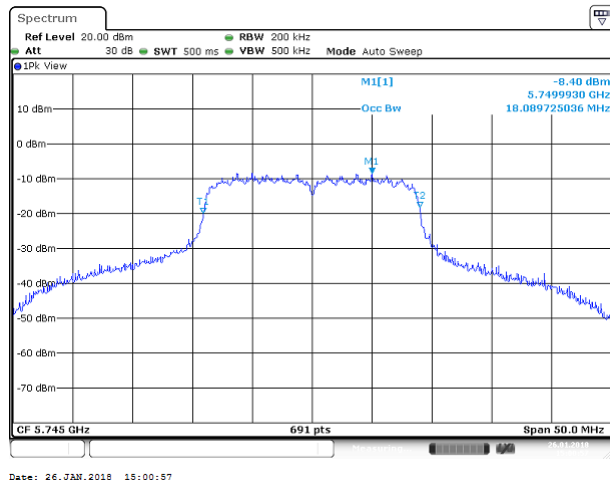


### High CH

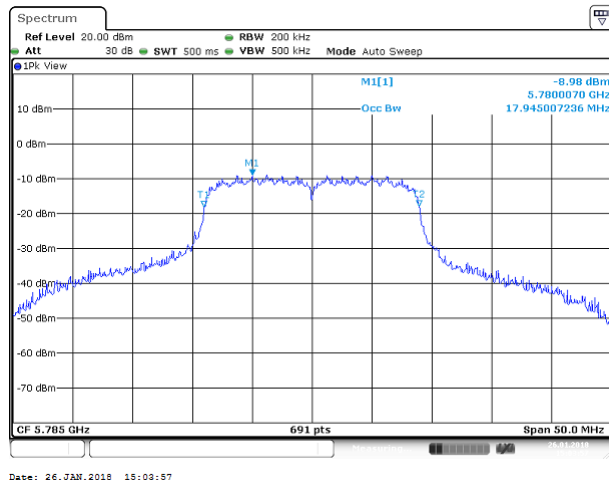


## UNII-3 IEEE 802.11n 20 MHz mode- chain 0

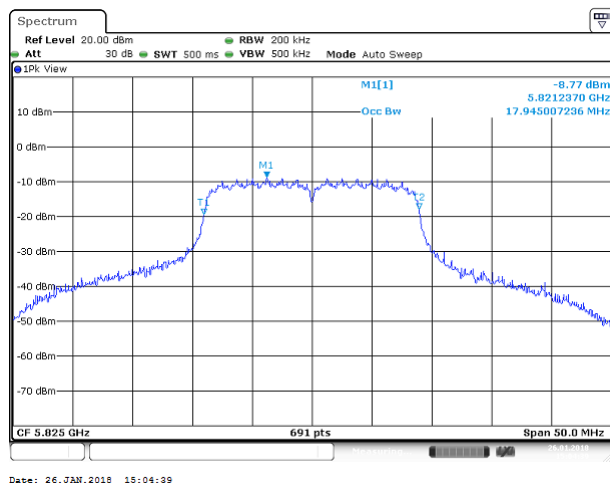
### Low CH



### Mid CH

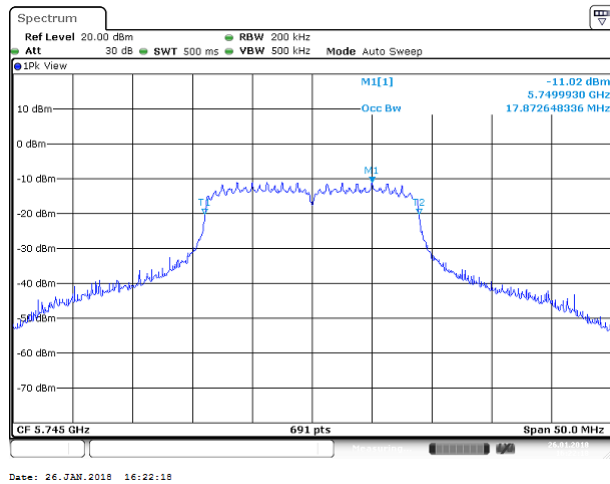


### High CH

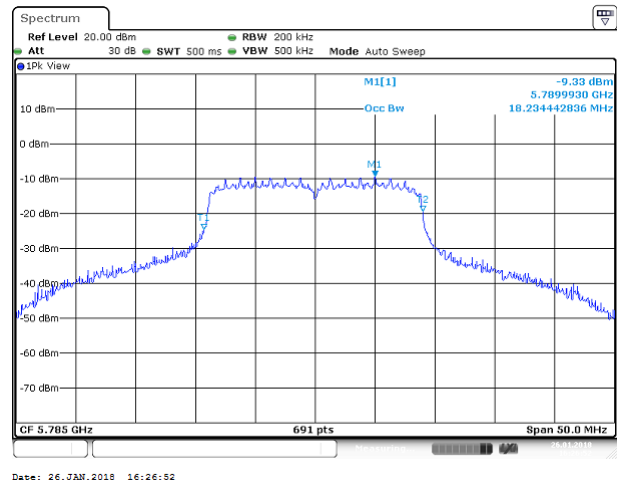


## UNII-3 IEEE 802.11n 20 MHz mode- chain 1

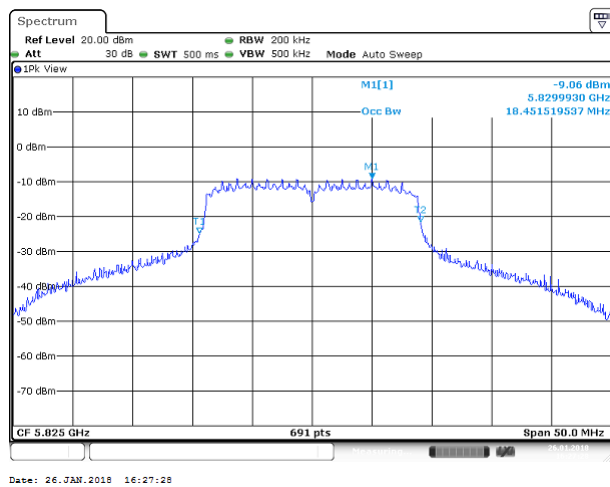
## Low CH



## Mid CH

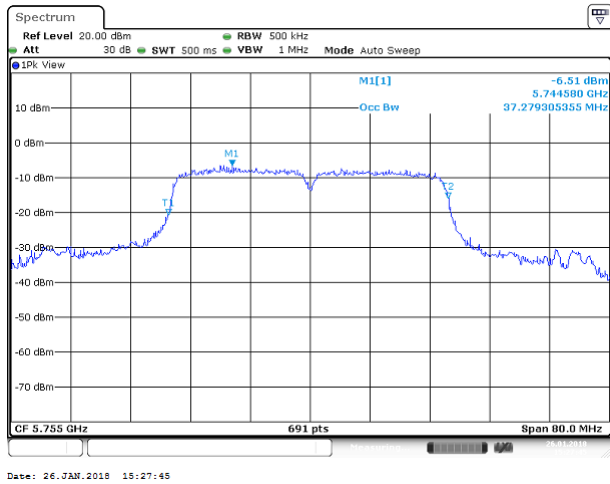


## High CH

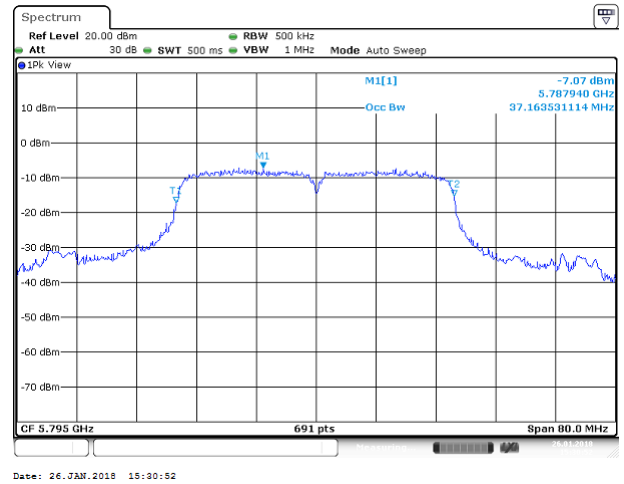


### UNII-3 IEEE 802.11n 40 MHz mode- chain 0

#### Low CH

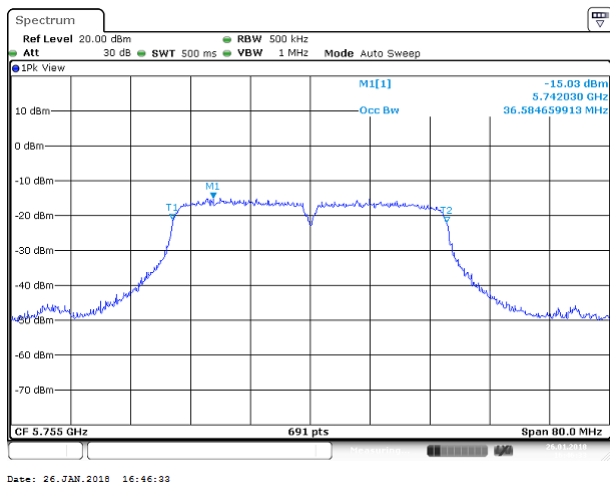


#### High CH

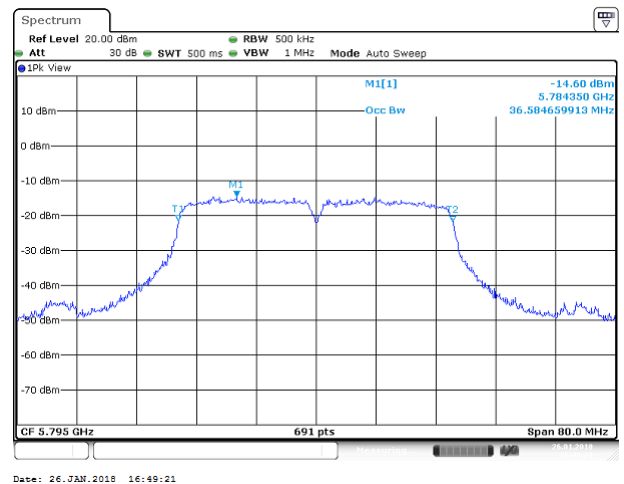


### UNII-3 IEEE 802.11n 40 MHz mode- chain 1

#### Low CH



#### High CH



## 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),

#### 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 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<sub>10</sub> 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.

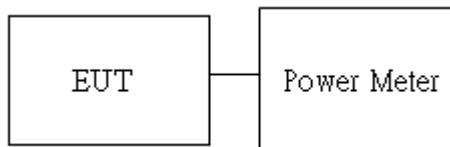
|                  |                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 v02r01, Section E.3.b.

1. The EUT RF output connected to the power meter 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



### 4.3.4 Test Result

#### Conducted output power :

| UNII-1                                          |    |                |           |        |               |        |                            |                          |             |                |
|-------------------------------------------------|----|----------------|-----------|--------|---------------|--------|----------------------------|--------------------------|-------------|----------------|
| Config                                          | CH | Freq.<br>(MHz) | Power Set |        | AV Power(dBm) |        | AV Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) |
|                                                 |    |                | chain0    | chain1 | chain0        | chain1 |                            |                          |             |                |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 36 | 5180           | 15        | 15     | 11.45         | 10.53  | 14.02                      | 0.0253                   | 5.98        | 24             |
|                                                 | 44 | 5220           | 20        | 20     | 15.60         | 15.11  | 18.37                      | 0.0687                   |             |                |
|                                                 | 48 | 5240           | 20        | 20     | 15.63         | 15.14  | 18.40                      | 0.0692                   |             |                |
| IEEE<br>802.11n<br>20 MHz<br>Data rate:<br>MCS8 | 36 | 5180           | 16        | 16     | 12.83         | 11.70  | 15.31                      | 0.0340                   |             |                |
|                                                 | 44 | 5220           | 31.5      | 31.5   | 18.33         | 18.91  | 21.64                      | 0.1459                   |             |                |
|                                                 | 48 | 5240           | 31.5      | 31.5   | 18.35         | 18.98  | 21.69                      | 0.1475                   |             |                |
| IEEE<br>802.11n<br>40 MHz<br>Data rate:<br>MCS8 | 38 | 5190           | 9.5       | 9.5    | 5.26          | 4.67   | 7.99                       | 0.0063                   |             |                |
|                                                 | 46 | 5230           | 19        | 19     | 14.27         | 14.06  | 17.18                      | 0.0522                   |             |                |

| UNII-2a                                         |    |                |           |        |               |        |                            |                          |             |                |
|-------------------------------------------------|----|----------------|-----------|--------|---------------|--------|----------------------------|--------------------------|-------------|----------------|
| Config                                          | CH | Freq.<br>(MHz) | Power Set |        | AV Power(dBm) |        | AV Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) |
|                                                 |    |                | chain0    | chain1 | chain0        | chain1 |                            |                          |             |                |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 52 | 5260           | 20        | 20     | 15.75         | 15.04  | 18.42                      | 0.0695                   | 5.98        | 24             |
|                                                 | 56 | 5280           | 20        | 20     | 15.71         | 14.93  | 18.35                      | 0.0684                   |             |                |
|                                                 | 64 | 5320           | 14.5      | 14.5   | 12.35         | 9.56   | 14.19                      | 0.0262                   |             |                |
| IEEE<br>802.11n<br>20 MHz<br>Data rate:<br>MCS8 | 52 | 5260           | 20        | 20     | 15.12         | 15.06  | 18.10                      | 0.0646                   |             |                |
|                                                 | 56 | 5280           | 20        | 20     | 15.06         | 14.97  | 18.03                      | 0.0635                   |             |                |
|                                                 | 64 | 5320           | 15        | 15     | 11.83         | 10.6   | 14.27                      | 0.0267                   |             |                |
| IEEE<br>802.11n<br>40 MHz<br>Data rate:<br>MCS8 | 54 | 5270           | 19        | 19     | 13.57         | 13.67  | 16.63                      | 0.0460                   |             |                |
|                                                 | 62 | 5310           | 8         | 8      | 4.84          | 4.06   | 7.48                       | 0.0056                   |             |                |

| UNII-2c                                         |     |                |           |        |               |        |                            |                          |             |                |
|-------------------------------------------------|-----|----------------|-----------|--------|---------------|--------|----------------------------|--------------------------|-------------|----------------|
| Config                                          | CH  | Freq.<br>(MHz) | Power Set |        | AV Power(dBm) |        | AV Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) |
|                                                 |     |                | chain0    | chain1 | chain0        | chain1 |                            |                          |             |                |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 100 | 5500           | 12        | 12     | 11.06         | 11.06  | 13.59                      | 0.0229                   | 5.98        | 24             |
|                                                 | 116 | 5580           | 18        | 18     | 14.18         | 14.18  | 17.06                      | 0.0508                   |             |                |
|                                                 | 140 | 5700           | 13        | 13     | 9.83          | 9.83   | 12.62                      | 0.0183                   |             |                |
| IEEE<br>802.11n<br>20 MHz<br>Data rate:<br>MCS8 | 100 | 5500           | 12        | 12     | 9.58          | 9.58   | 12.71                      | 0.0187                   |             |                |
|                                                 | 116 | 5580           | 17.5      | 17.5   | 13.86         | 13.86  | 17.06                      | 0.0508                   |             |                |
|                                                 | 140 | 5700           | 11        | 11     | 8.12          | 8.12   | 11.16                      | 0.0131                   |             |                |
| IEEE<br>802.11n<br>40 MHz<br>Data rate:<br>MCS8 | 102 | 5510           | 6.5       | 6.5    | 3.62          | 3.62   | 6.91                       | 0.0049                   |             |                |
|                                                 | 110 | 5550           | 18        | 18     | 13.61         | 13.61  | 16.79                      | 0.0478                   |             |                |
|                                                 | 134 | 5670           | 13.5      | 13.5   | 9.31          | 9.31   | 12.69                      | 0.0186                   |             |                |

| UNII-3                                          |     |                |           |        |               |        |                            |                          |             |                |
|-------------------------------------------------|-----|----------------|-----------|--------|---------------|--------|----------------------------|--------------------------|-------------|----------------|
| Config                                          | CH  | Freq.<br>(MHz) | Power Set |        | AV Power(dBm) |        | AV Total<br>Power<br>(dBm) | AV Total<br>Power<br>(W) | DG<br>(dBi) | Limit<br>(dBm) |
|                                                 |     |                | chain0    | chain1 | chain0        | chain1 |                            |                          |             |                |
| IEEE<br>802.11a<br>Data rate:<br>6Mbps          | 149 | 5745           | 18        | 18     | 12.51         | 12.09  | 15.32                      | 0.0340                   | 5.98        | 30             |
|                                                 | 157 | 5785           | 18        | 18     | 12.60         | 12.03  | 15.33                      | 0.0341                   |             |                |
|                                                 | 165 | 5825           | 18        | 18     | 12.55         | 12.20  | 9.00                       | 0.0079                   |             |                |
| IEEE<br>802.11n<br>20 MHz<br>Data rate:<br>MCS8 | 149 | 5745           | 18        | 18     | 12.26         | 12.41  | 15.35                      | 0.0343                   |             |                |
|                                                 | 157 | 5785           | 18        | 18     | 12.33         | 12.44  | 15.40                      | 0.0347                   |             |                |
|                                                 | 165 | 5825           | 18        | 18     | 13.11         | 12.71  | 15.92                      | 0.0391                   |             |                |
| IEEE<br>802.11n<br>40 MHz<br>Data rate:<br>MCS8 | 151 | 5755           | 18        | 18     | 11.46         | 11.12  | 14.30                      | 0.0269                   |             |                |
|                                                 | 159 | 5795           | 18        | 18     | 12.45         | 12.37  | 15.42                      | 0.0348                   |             |                |

## 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),

#### UNII-1 :

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

#### 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 v02r01, Section F

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

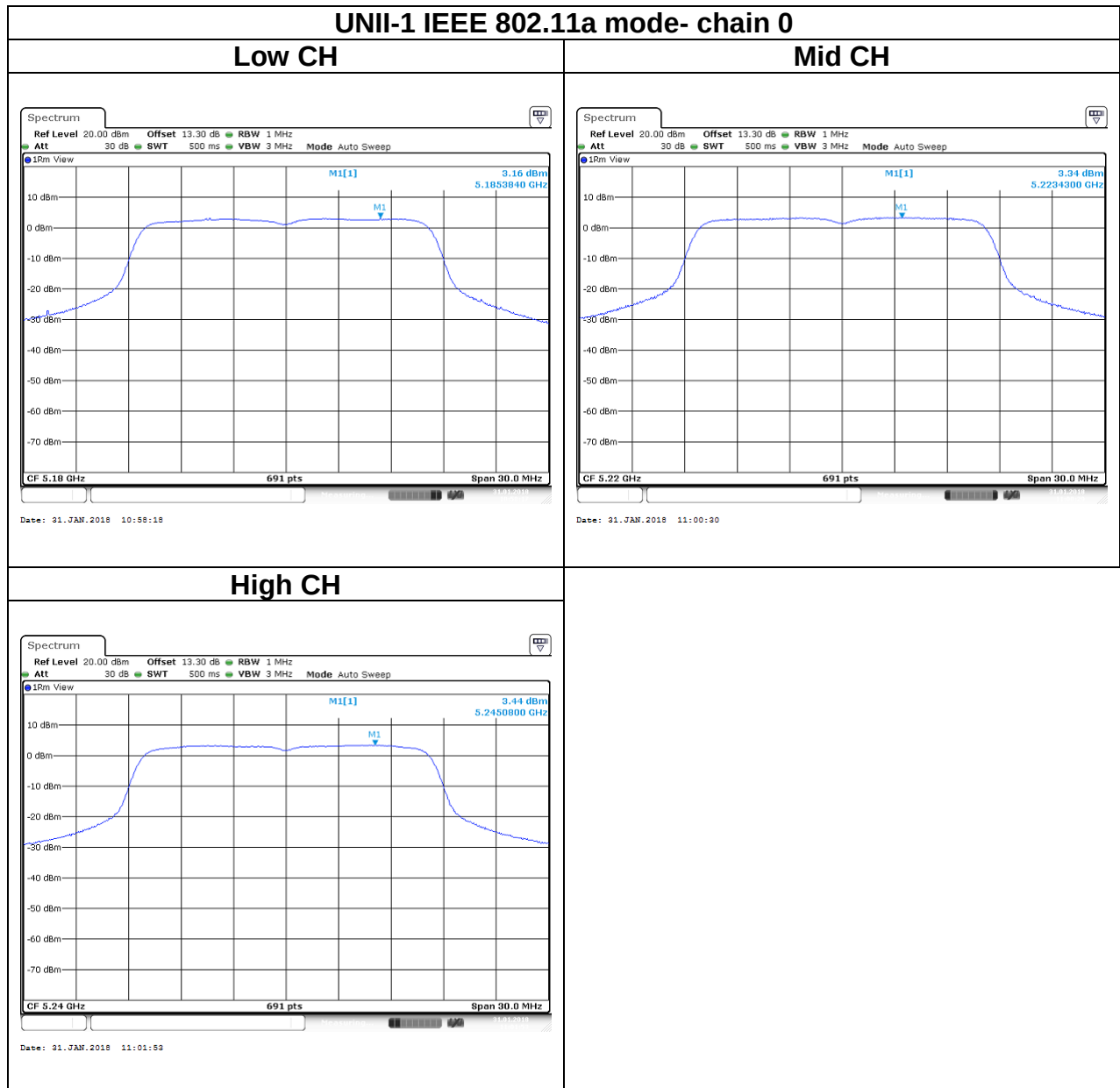
| UNII-1 5150-5250 MHz                |                 |                    |                    |                  |             |
|-------------------------------------|-----------------|--------------------|--------------------|------------------|-------------|
| Test mode: IEEE 802.11a mode        |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5180            | 3.16               | 2.60               | 5.90             | 11          |
| Mid                                 | 5220            | 3.34               | 1.50               | 5.53             |             |
| High                                | 5240            | 3.44               | 2.12               | 5.84             |             |
| Test mode: IEEE 802.11n 20 MHz mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5180            | 3.42               | 1.59               | 5.61             | 11          |
| Mid                                 | 5220            | 3.37               | 1.69               | 5.62             |             |
| High                                | 5240            | 3.22               | 2.08               | 5.70             |             |
| Test mode: IEEE 802.11n 40 MHz mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5190            | -4.32              | -5.79              | -1.98            | 11          |
| High                                | 5230            | 3.40               | 2.60               | 6.03             |             |

| 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            | 4.33               | 2.91               | 6.69             | 11          |
| Mid                                 | 5280            | 4.52               | 2.70               | 6.71             |             |
| High                                | 5320            | 3.77               | 1.59               | 5.83             |             |
| Test mode: IEEE 802.11n 20 MHz mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5260            | 4.27               | 2.62               | 6.53             | 11          |
| Mid                                 | 5280            | 4.06               | 2.45               | 6.34             |             |
| High                                | 5320            | 4.04               | 2.97               | 6.55             |             |
| Test mode: IEEE 802.11n 40 MHz mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5270            | 4.31               | 3.56               | 6.96             | 11          |
| High                                | 5310            | -4.73              | -6.30              | -2.43            |             |

| 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            | 4.20               | 3.78               | 7.01             | 11          |
| Mid                                 | 5580            | 4.35               | 3.74               | 7.07             |             |
| High                                | 5700            | 2.34               | 3.34               | 5.88             |             |
| Test mode: IEEE 802.11n 20 MHz mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5500            | 3.43               | 3.51               | 6.48             | 11          |
| Mid                                 | 5580            | 4.21               | 3.50               | 6.88             |             |
| High                                | 5700            | 1.41               | 0.73               | 4.09             |             |
| Test mode: IEEE 802.11n 40 MHz mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5510            | -5.05              | -5.72              | -2.36            | 11          |
| Mid                                 | 5550            | 3.90               | 3.39               | 6.66             |             |
| High                                | 5670            | 0.70               | -13.59             | 0.86             |             |

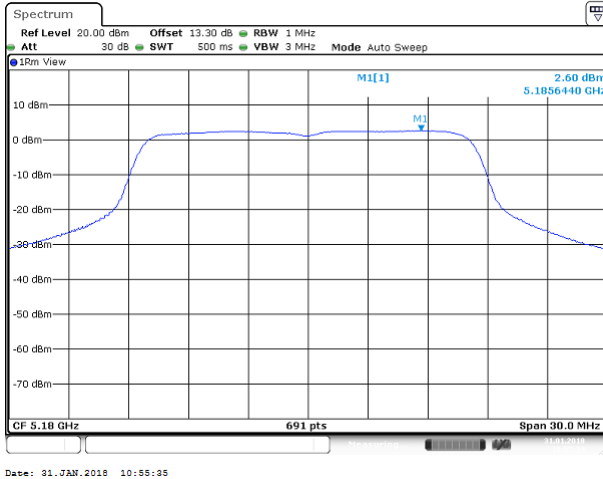
| UNII-3 5725-5825 MHz                |                 |                    |                    |                  |             |
|-------------------------------------|-----------------|--------------------|--------------------|------------------|-------------|
| Test mode: IEEE 802.11a mode        |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5745            | 12.25              | 12.61              | 15.44            | 30          |
| Mid                                 | 5785            | 12.31              | 12.78              | 15.56            |             |
| High                                | 5825            | 11.63              | 11.80              | 14.73            |             |
| Test mode: IEEE 802.11n 20 MHz mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5745            | 11.63              | 11.82              | 14.74            | 30          |
| Mid                                 | 5785            | 11.87              | 12.06              | 14.98            |             |
| High                                | 5825            | 11.19              | 11.33              | 14.27            |             |
| Test mode: IEEE 802.11n 40 MHz mode |                 |                    |                    |                  |             |
| Channel                             | Frequency (MHz) | Chain 0 PPSD (dBm) | Chain 1 PPSD (dBm) | Total PPSD (dBm) | Limit (dBm) |
| Low                                 | 5755            | 9.49               | 8.65               | 12.10            | 30          |
| High                                | 5795            | 9.18               | 9.14               | 12.17            |             |

## Test Data

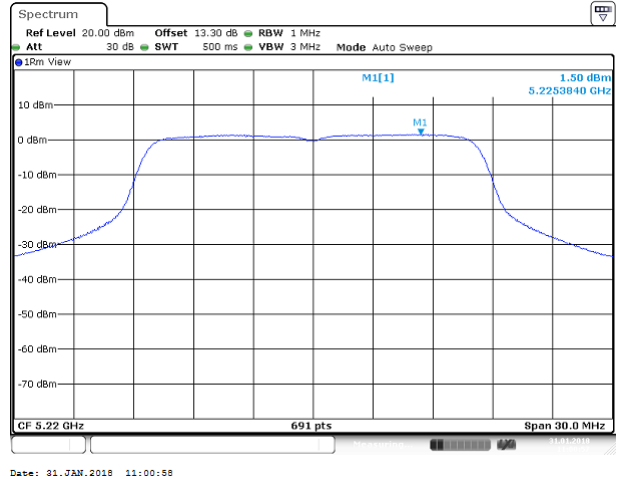


## UNII-1 IEEE 802.11a mode- chain 1

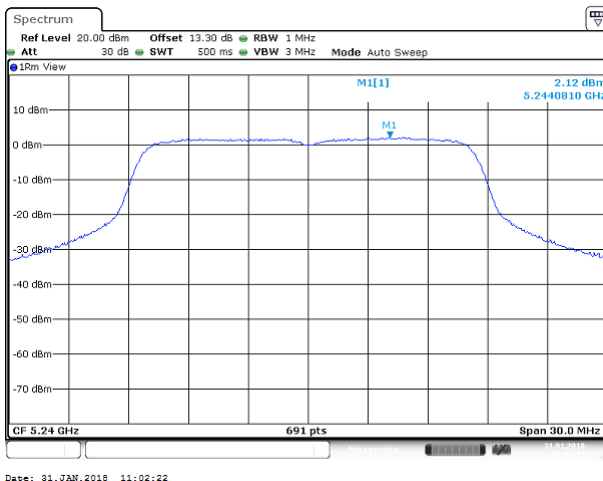
### Low CH



### Mid CH

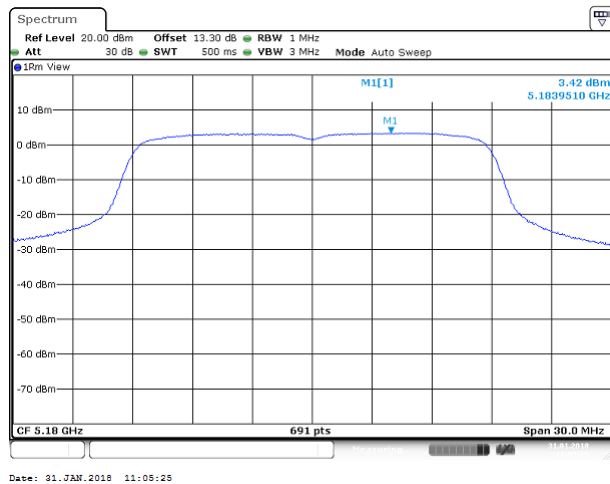


### High CH

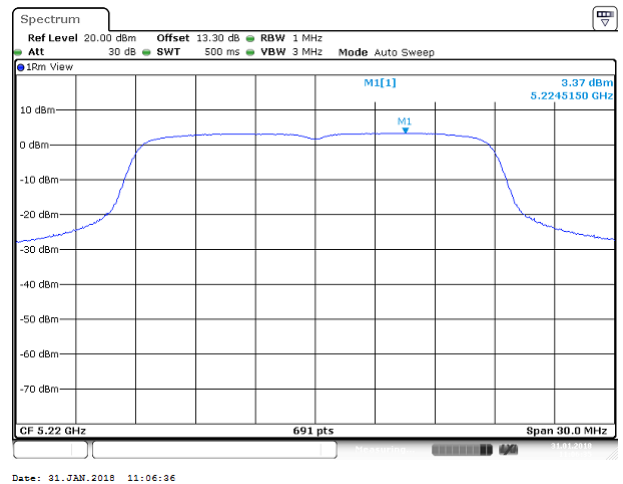


**UNII-1 IEEE 802.11n 20 MHz mode- chain 0**

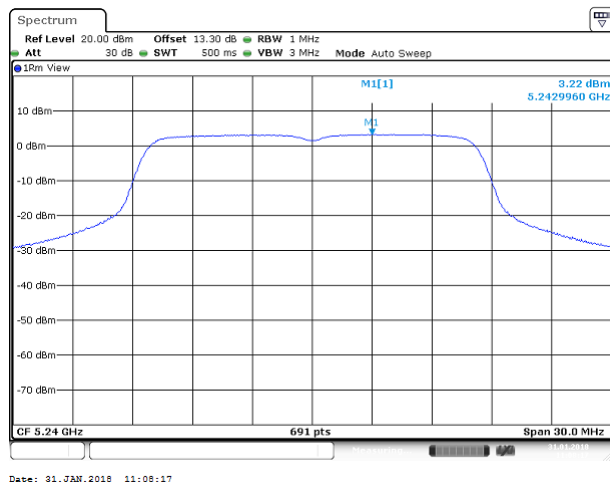
**Low CH**



**Mid CH**

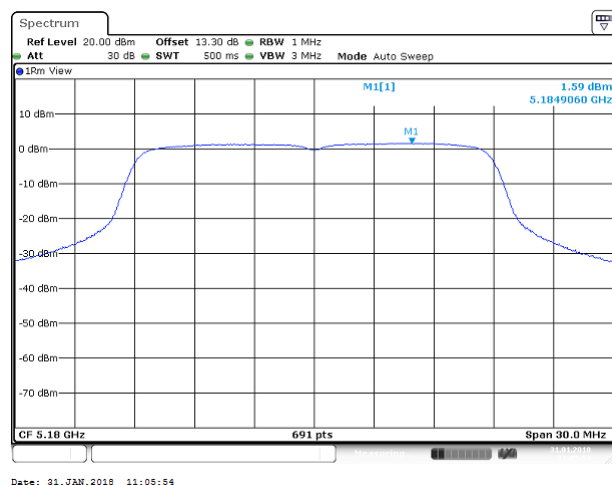


**High CH**

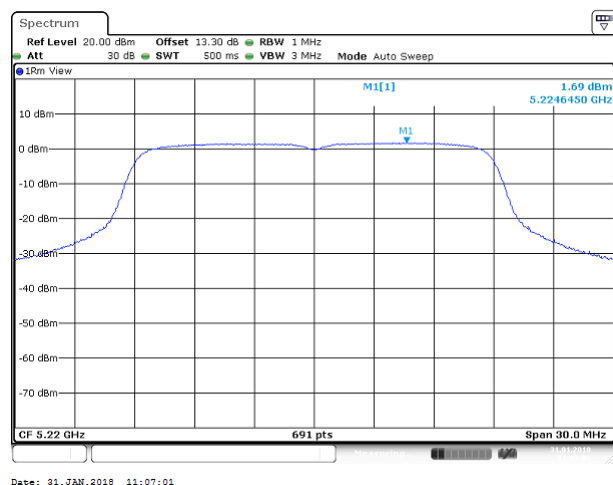


# UNII-1 IEEE 802.11n 20 MHz mode- chain 1

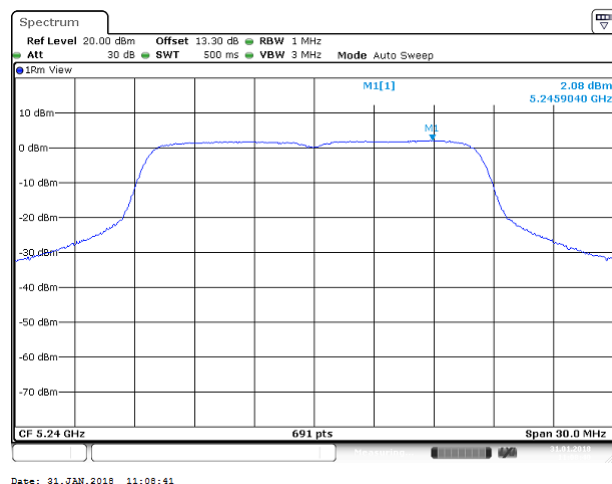
## Low CH

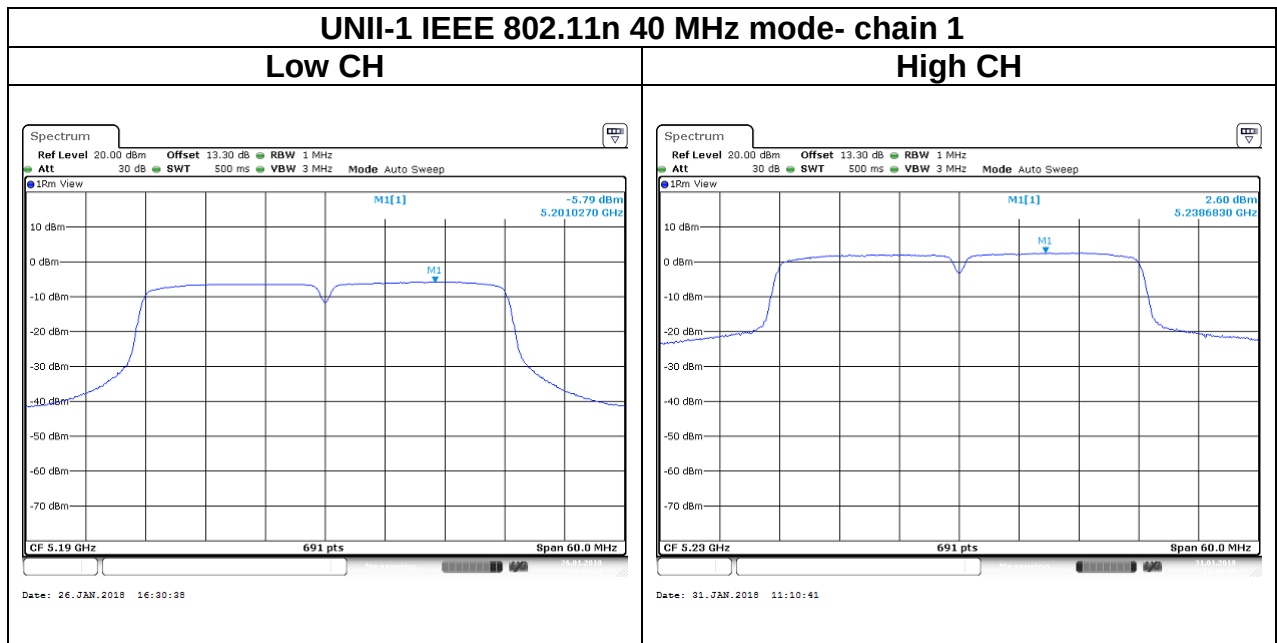
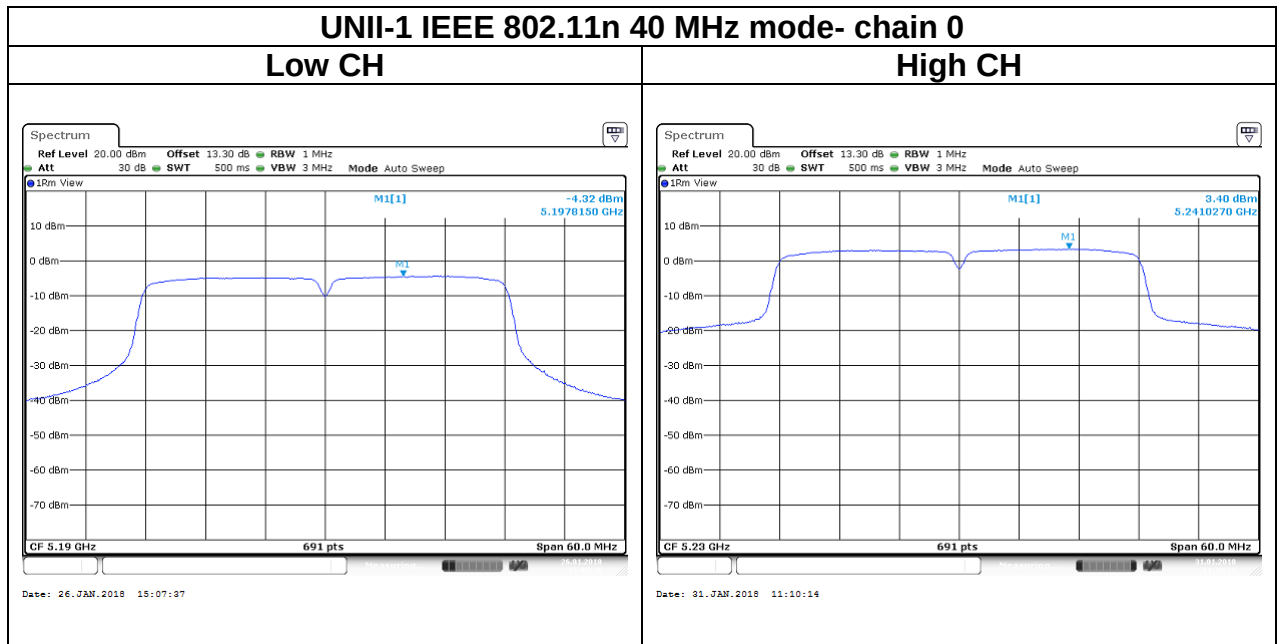


## Mid CH

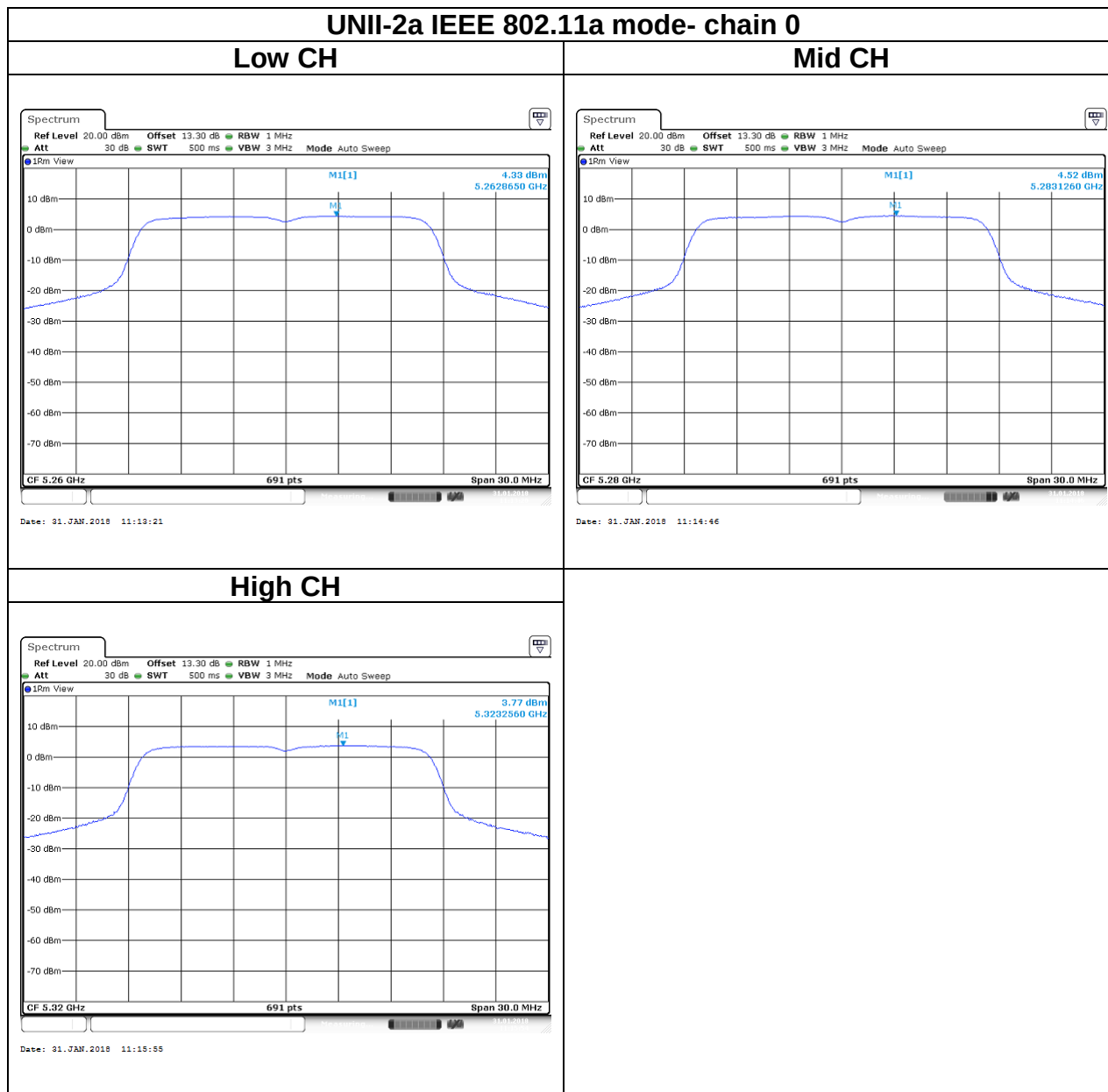


## High CH



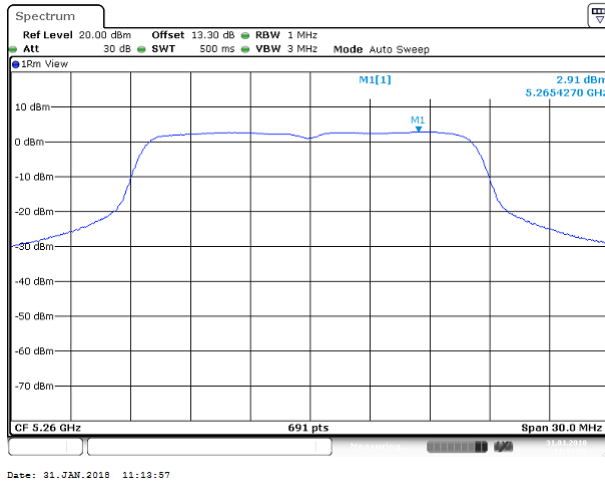


## Test Data

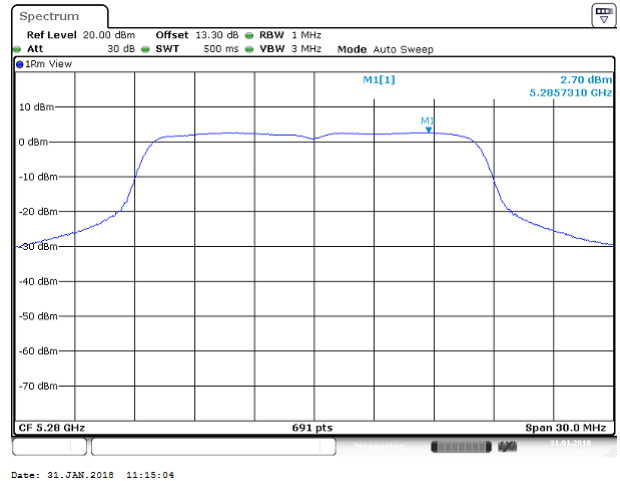


## UNII-2a IEEE 802.11a mode- chain 1

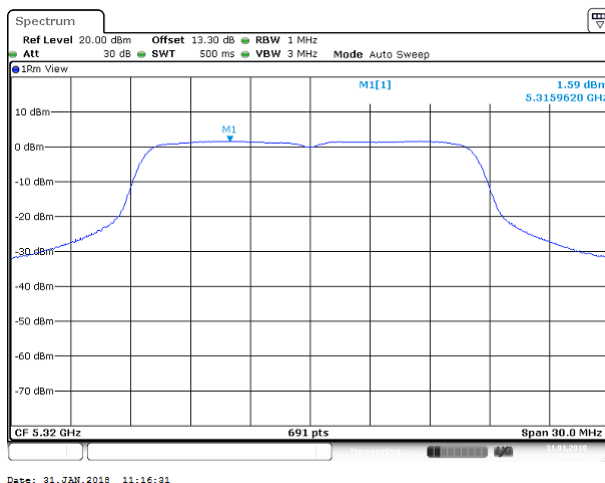
## Low CH



## Mid CH

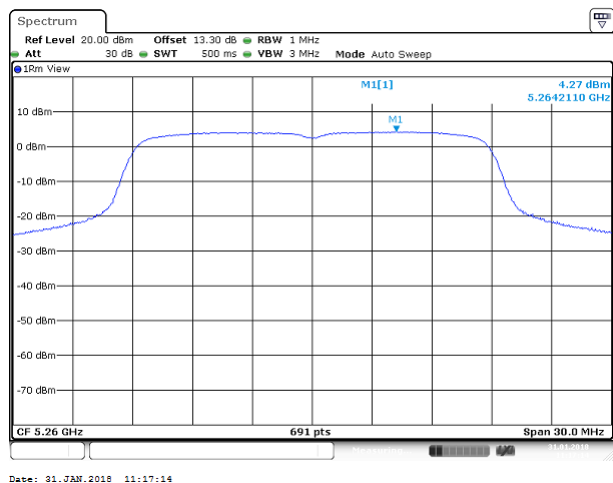


## High CH

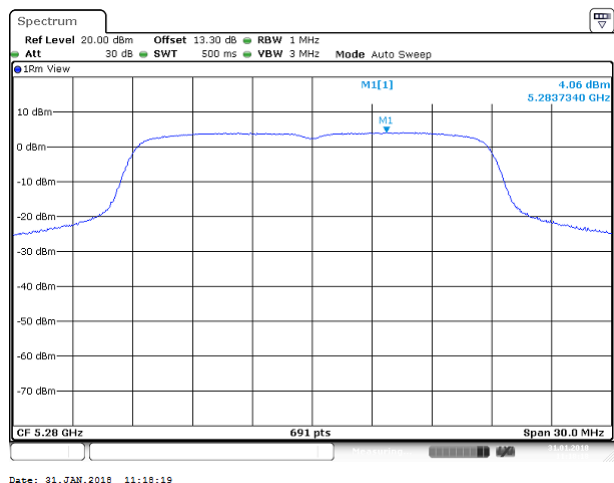


## UNII-2a IEEE 802.11n 20 MHz mode- chain 0

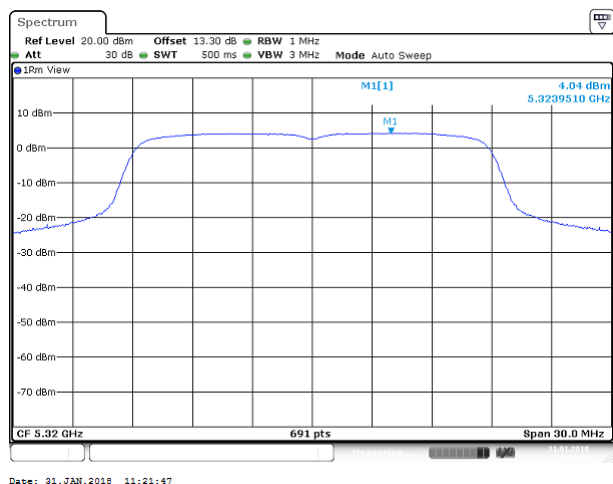
### Low CH



### Mid CH

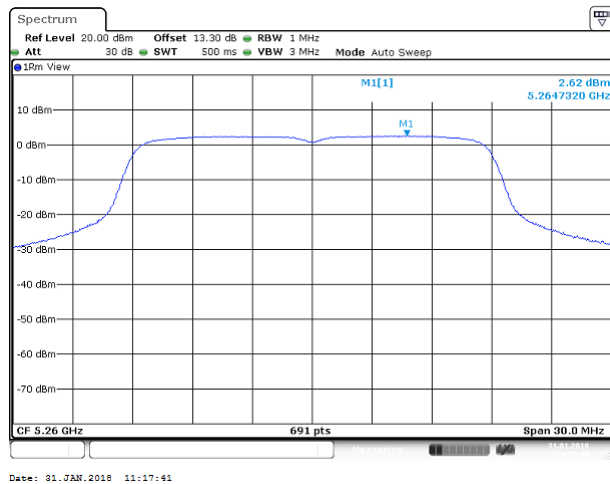


### High CH

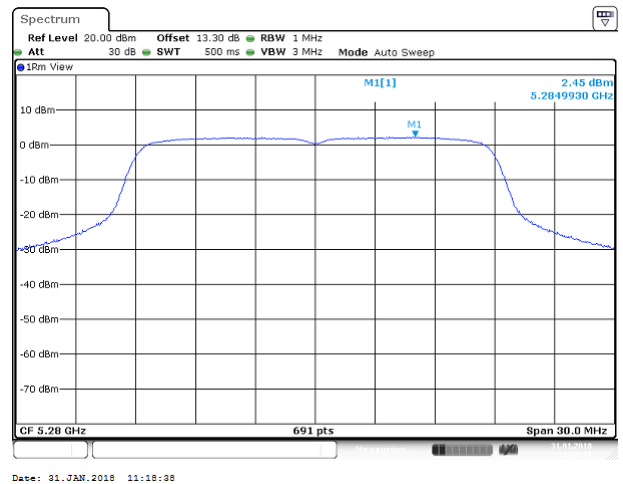


## UNII-2a IEEE 802.11n 20 MHz mode- chain 1

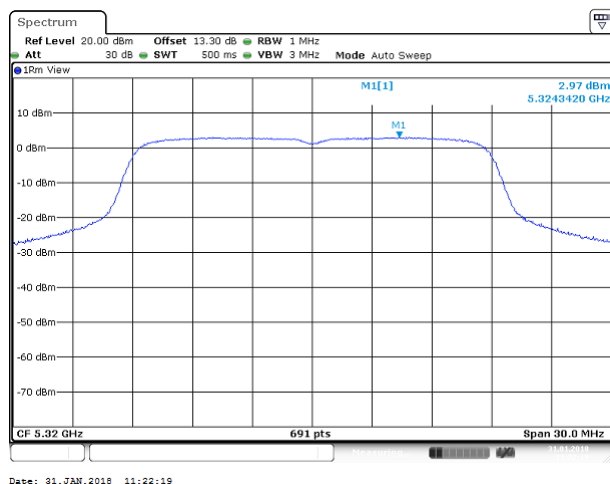
### Low CH



### Mid CH

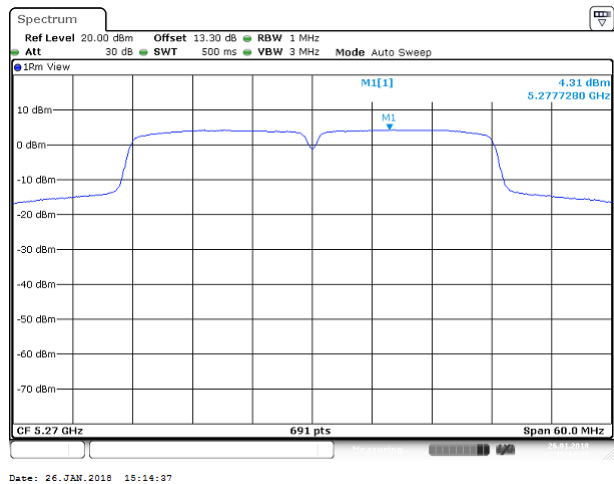


### High CH

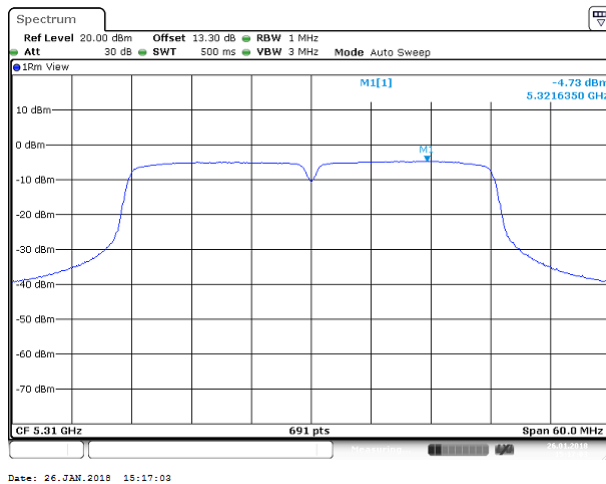


### UNII-2a IEEE 802.11n 40 MHz mode- chain 0

#### Low CH

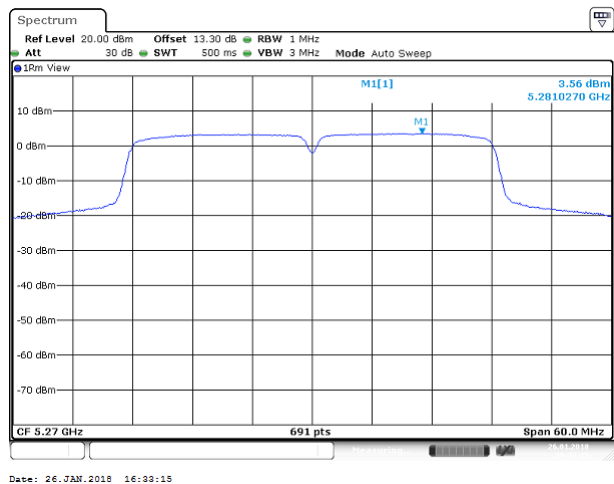


#### High CH

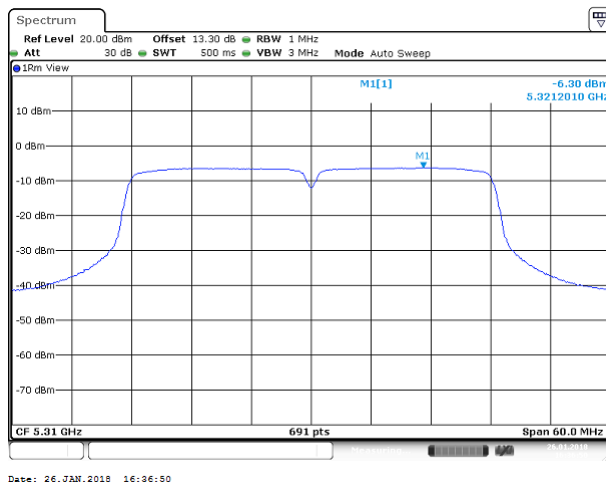


### UNII-2a IEEE 802.11n 40 MHz mode- chain 1

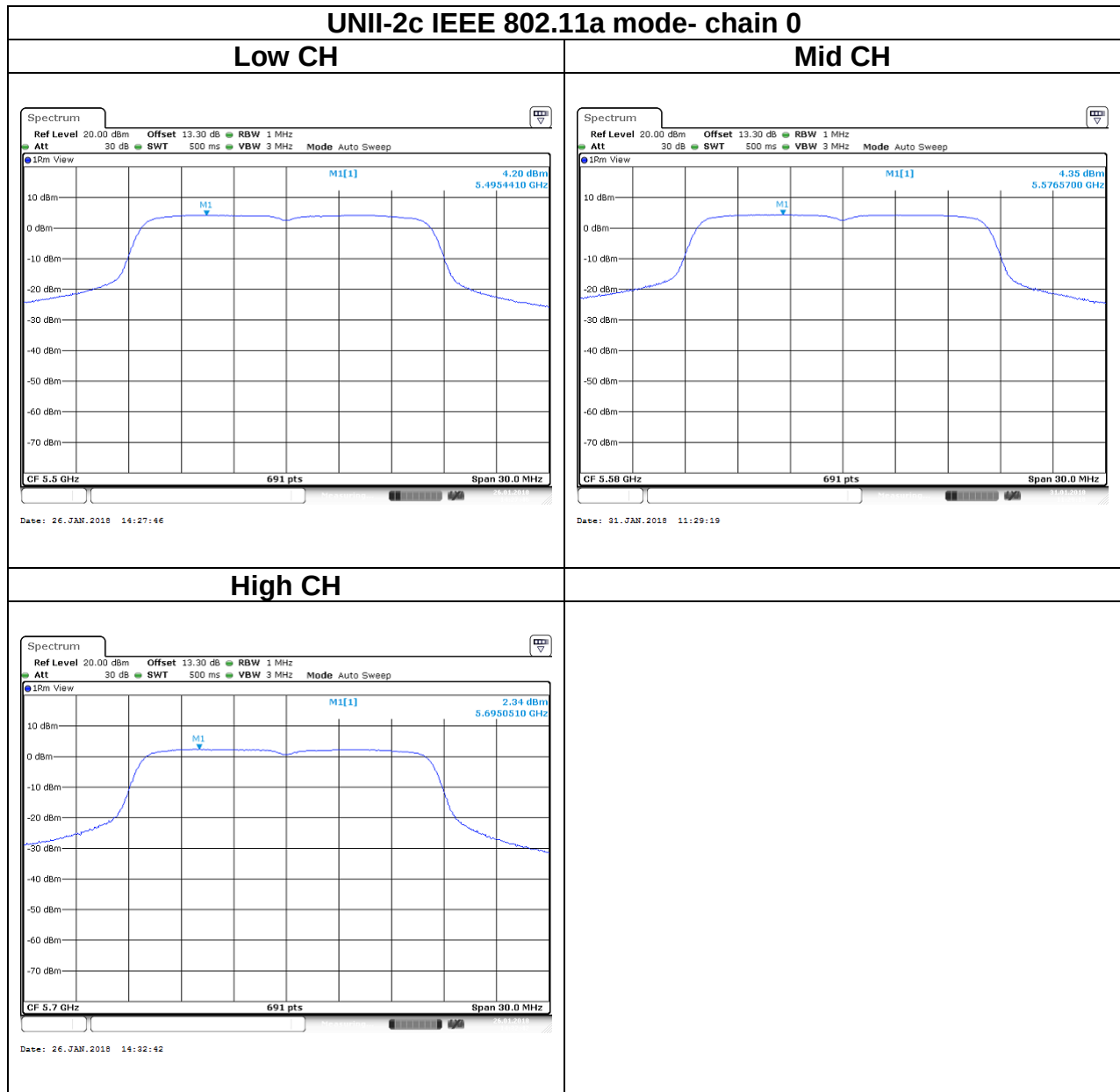
#### Low CH



#### High CH

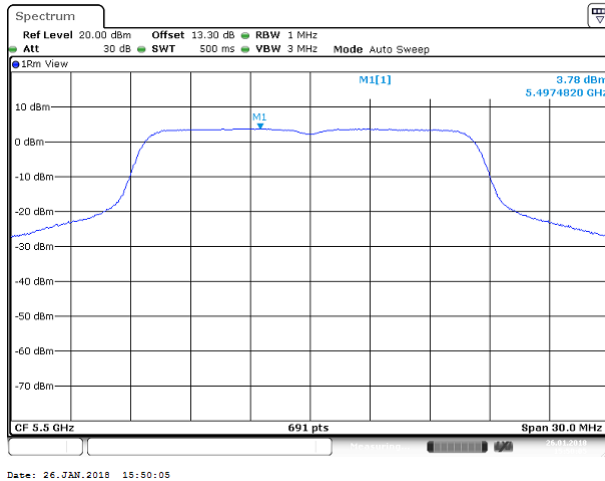


## Test Data

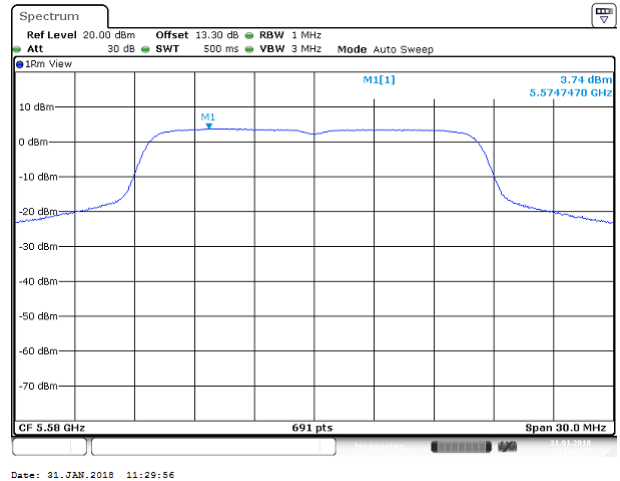


## UNII-2c IEEE 802.11a mode- chain 1

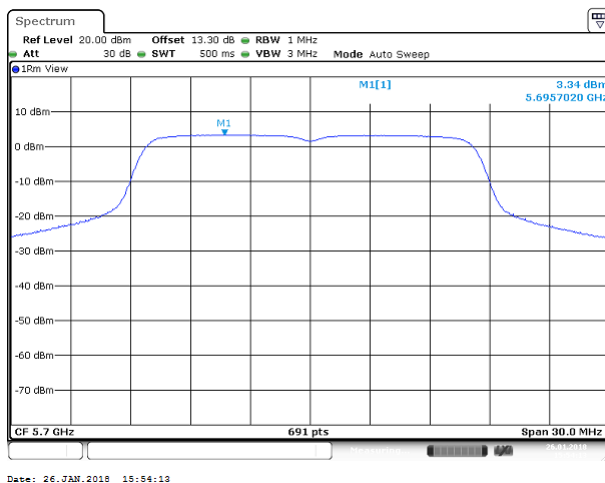
### Low CH



### Mid CH

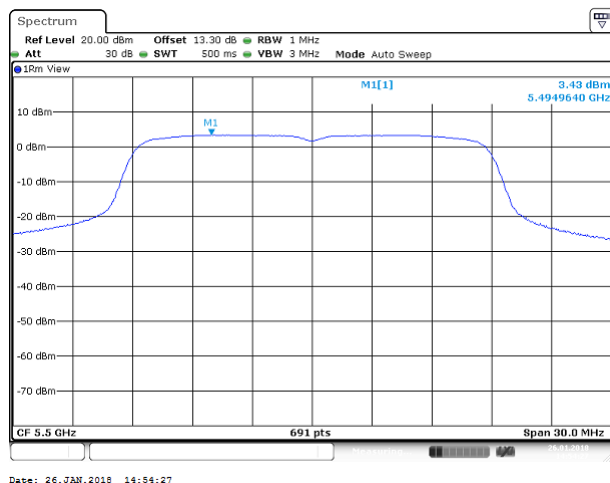


### High CH

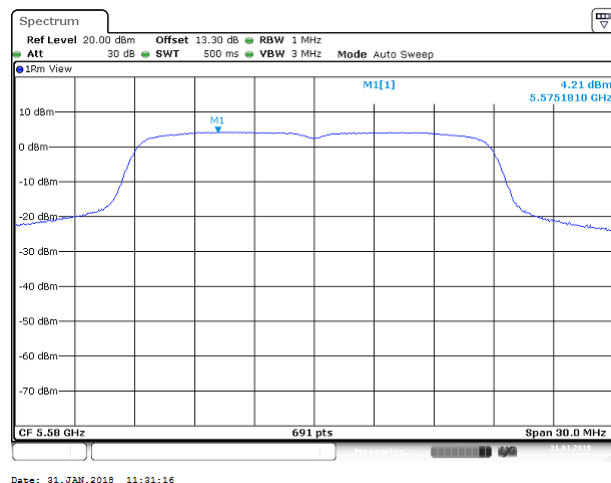


## UNII-2c IEEE 802.11n 20 MHz mode- chain 0

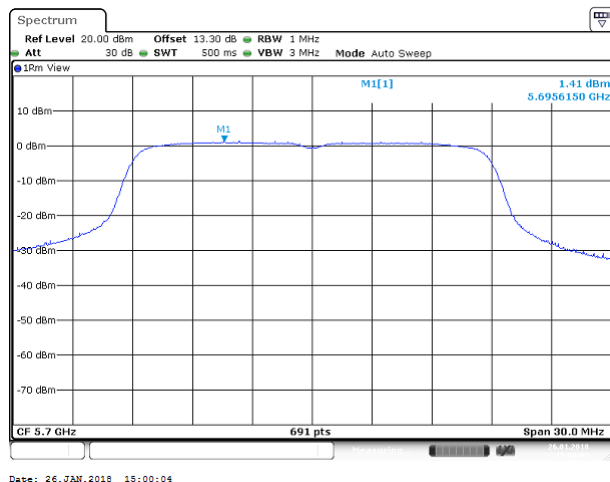
### Low CH



### Mid CH

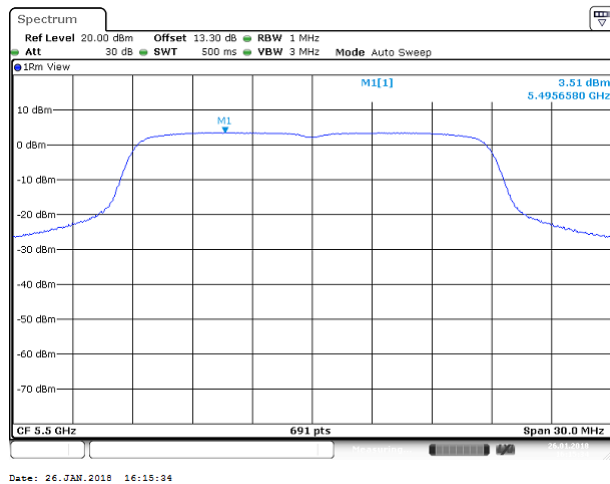


### High CH

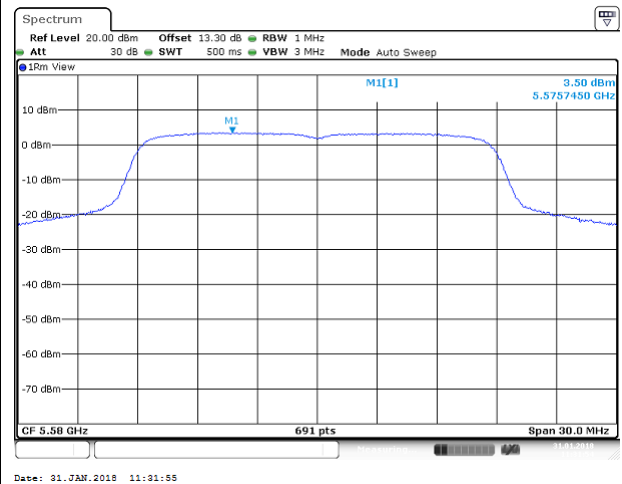


## UNII-2c IEEE 802.11n 20 MHz mode- chain 1

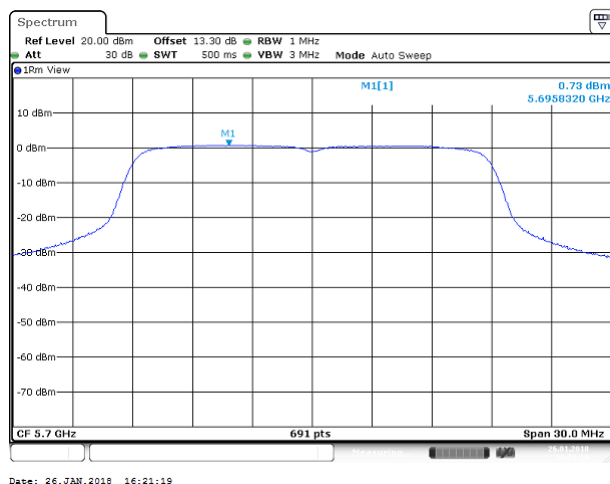
### Low CH



### Mid CH

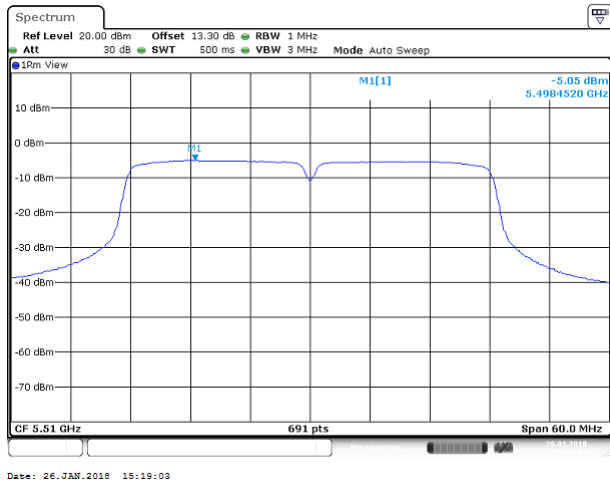


### High CH

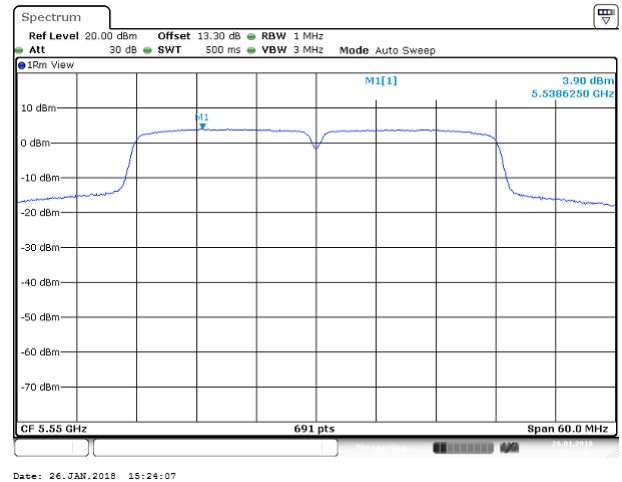


## UNII-2c IEEE 802.11n 40 MHz mode- chain 0

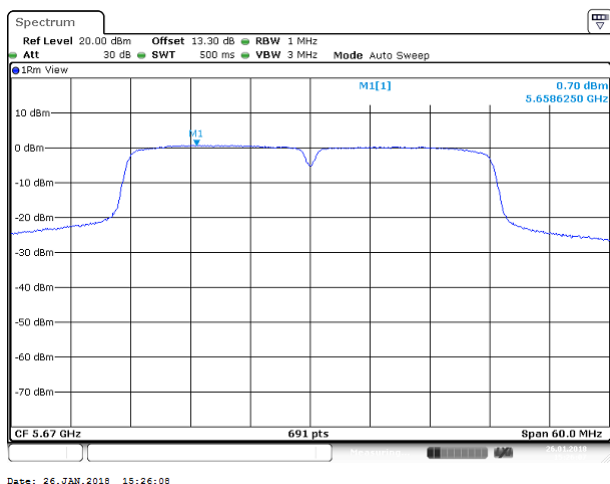
### Low CH



### Mid CH

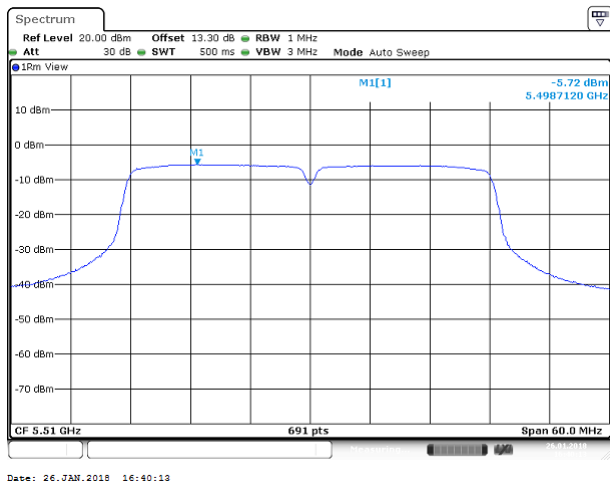


### High CH

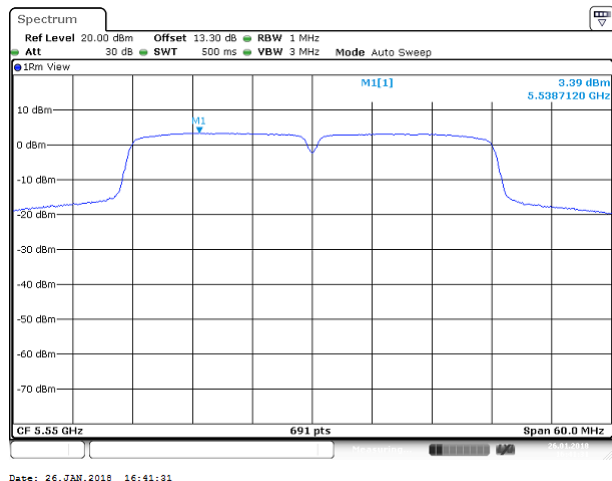


## UNII-2c IEEE 802.11n 40 MHz mode- chain 1

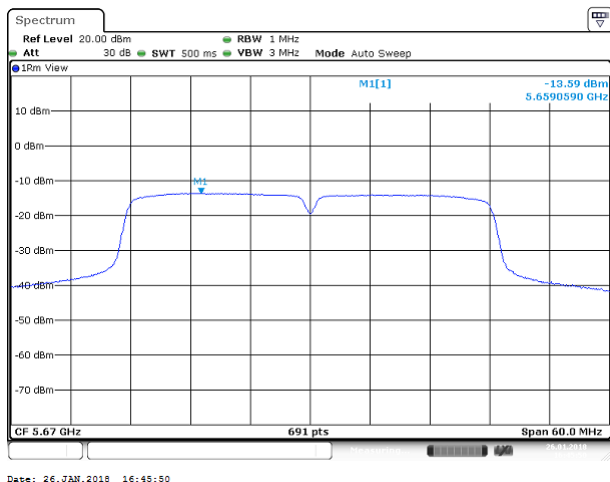
## Low CH



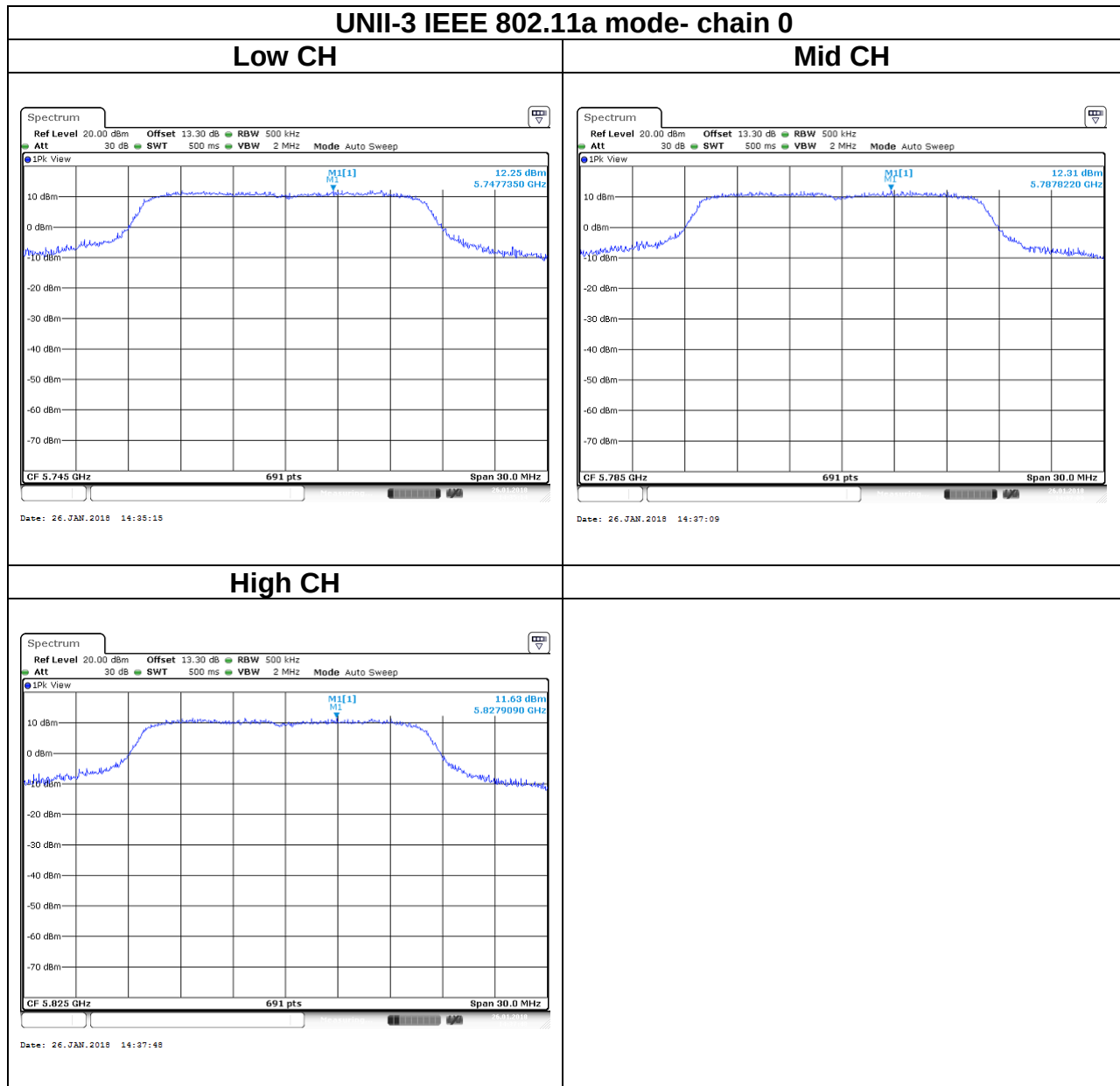
## Mid CH



## High CH

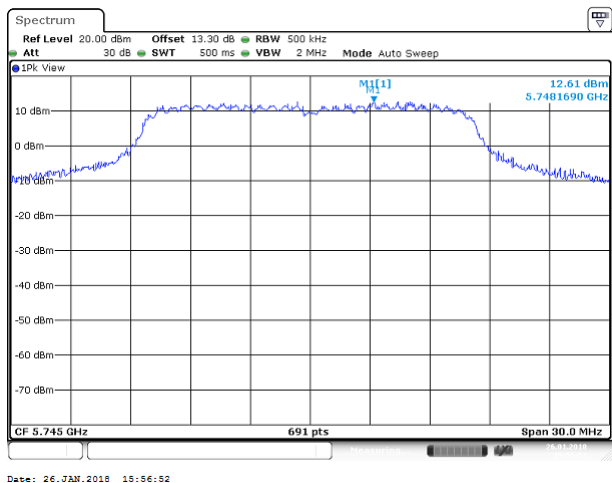


## Test Data

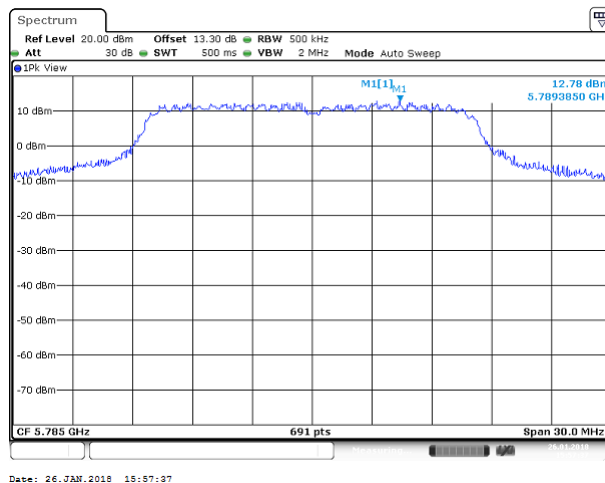


## UNII-3 IEEE 802.11a mode- chain 1

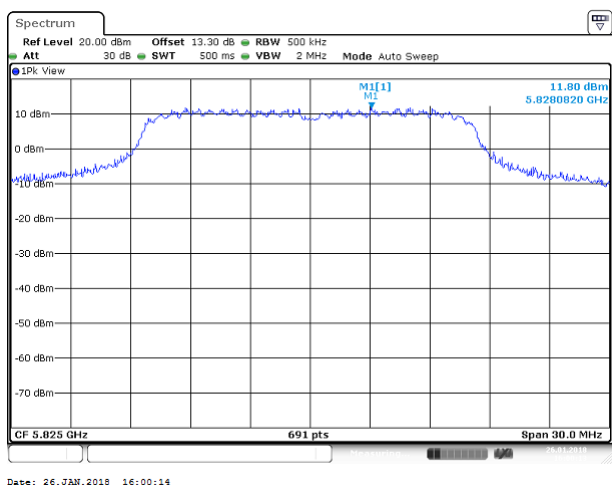
## Low CH



## Mid CH

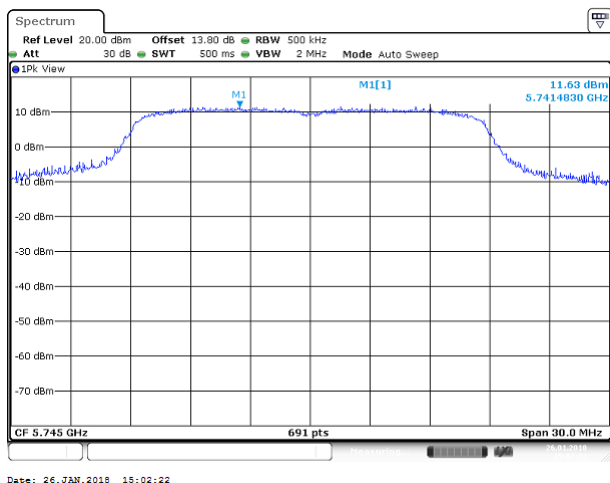


## High CH

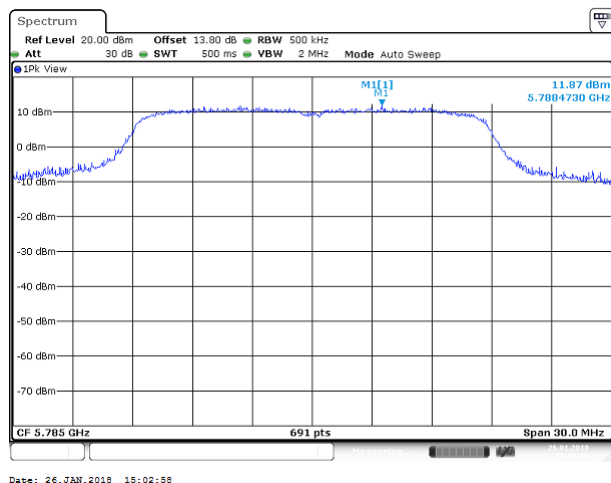


## UNII-3 IEEE 802.11n 20 MHz mode- chain 0

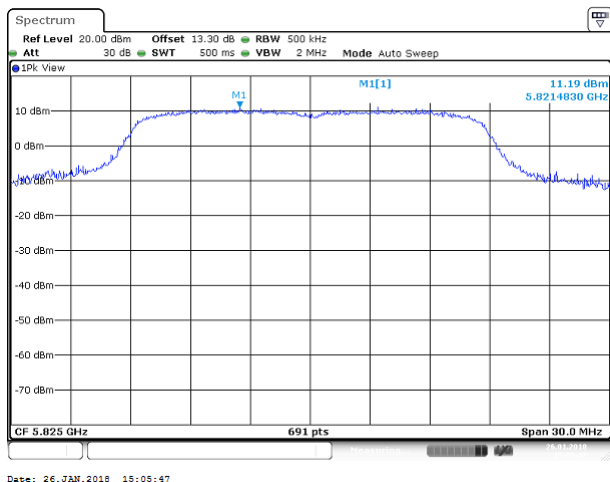
### Low CH



### Mid CH

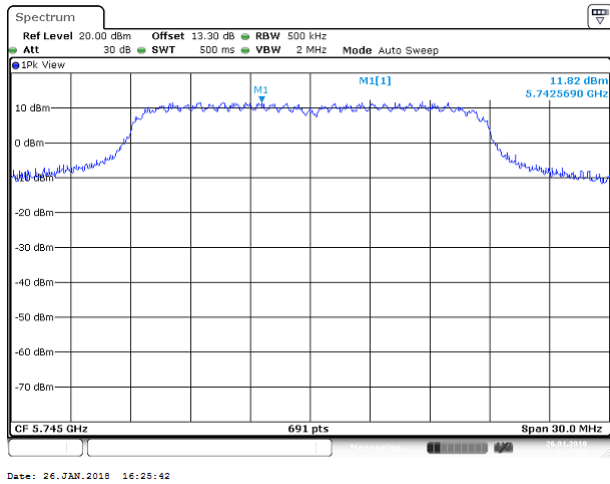


### High CH

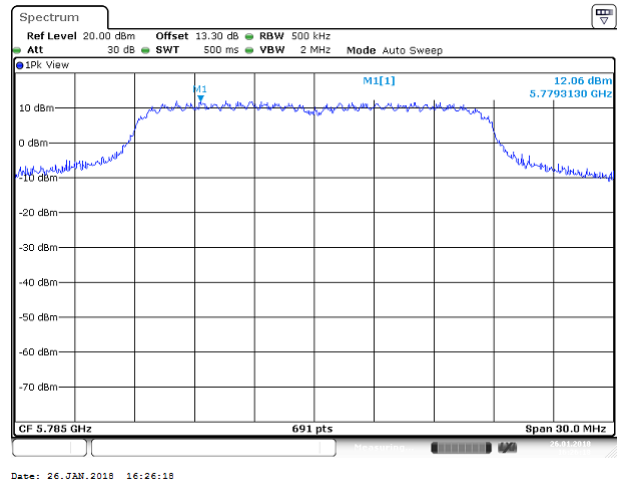


# UNII-3 IEEE 802.11n 20 MHz mode- chain 1

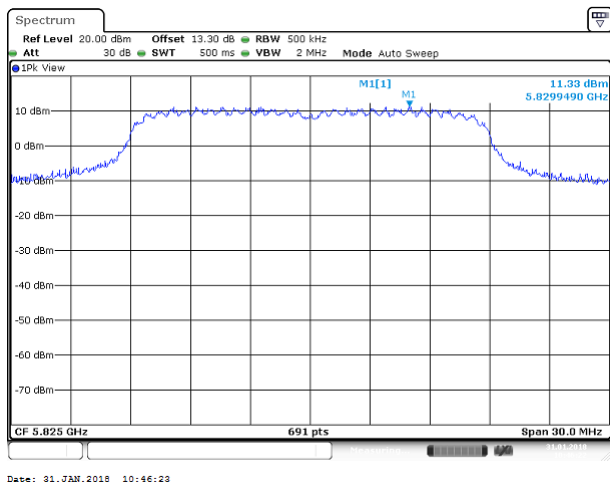
## Low CH



## Mid CH

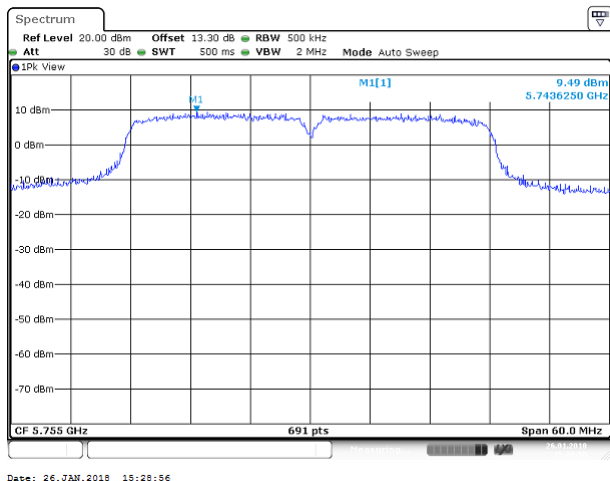


## High CH

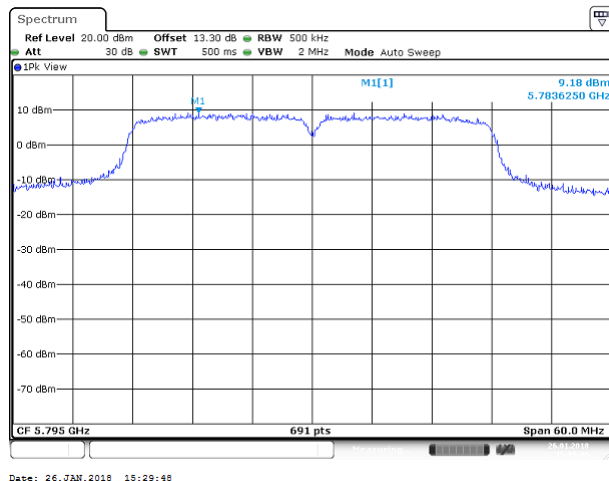


## UNII-3 IEEE 802.11n 40 MHz mode- chain 0

## Low CH

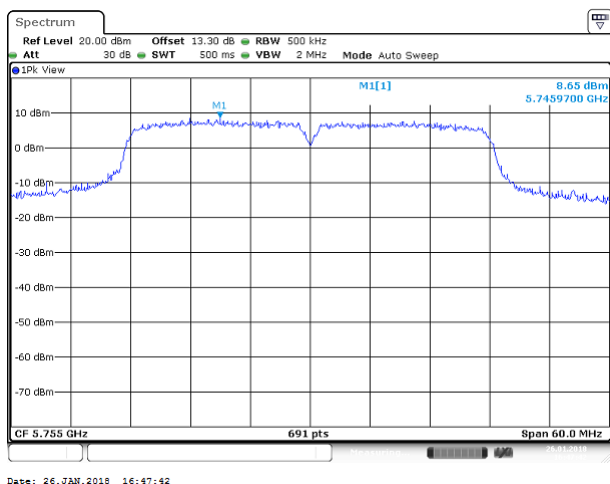


## High CH

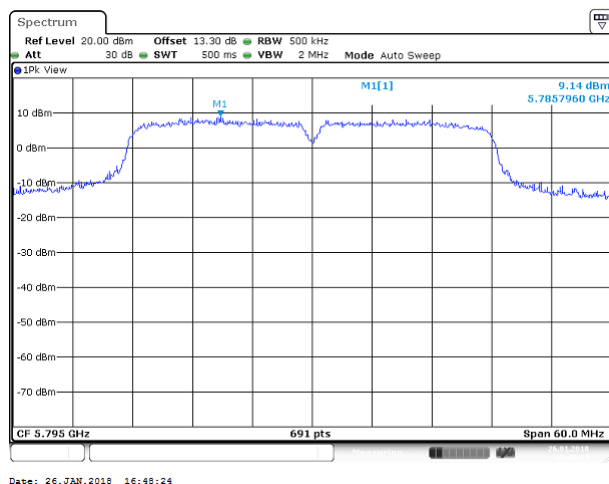


## UNII-3 IEEE 802.11n 40 MHz mode- chain 1

## Low CH



## High CH



## 4.5 RADIATION BANDEDGE AND SPURIOUS EMISSION

### 4.5.1 Test Limit

FCC according to §15.407, §15.209 and §15.205,

#### 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)  |

#### 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:

All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

## 4.5.2 Test Procedure

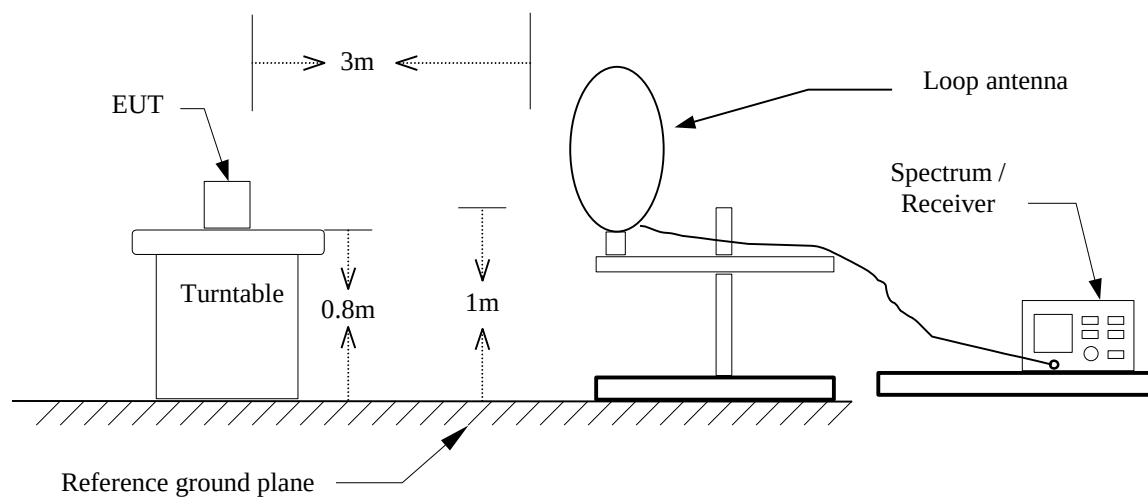
Test method Refer as KDB 789033 D02 v02r01, Section G.3, G.4, G.5, and G.6,.

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, 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.

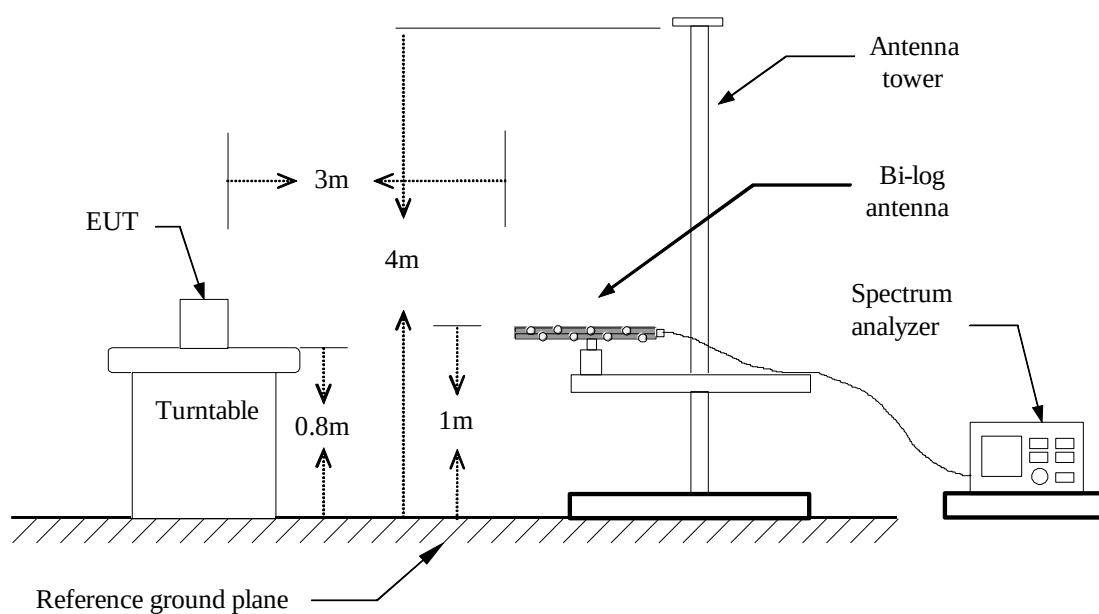
| Configuration | Duty Cycle (%) | T(ms)  | 1/T (Hz) | VBW Setting |
|---------------|----------------|--------|----------|-------------|
| 802.11a       | 99%            | 2.0500 | -        | 10Hz        |
| 802.11n 20MHz | 99%            | 2.0500 | -        | 10Hz        |
| 802.11n 40MHz | 99%            | 0.9600 | -        | 10Hz        |

### 4.5.3 Test Setup

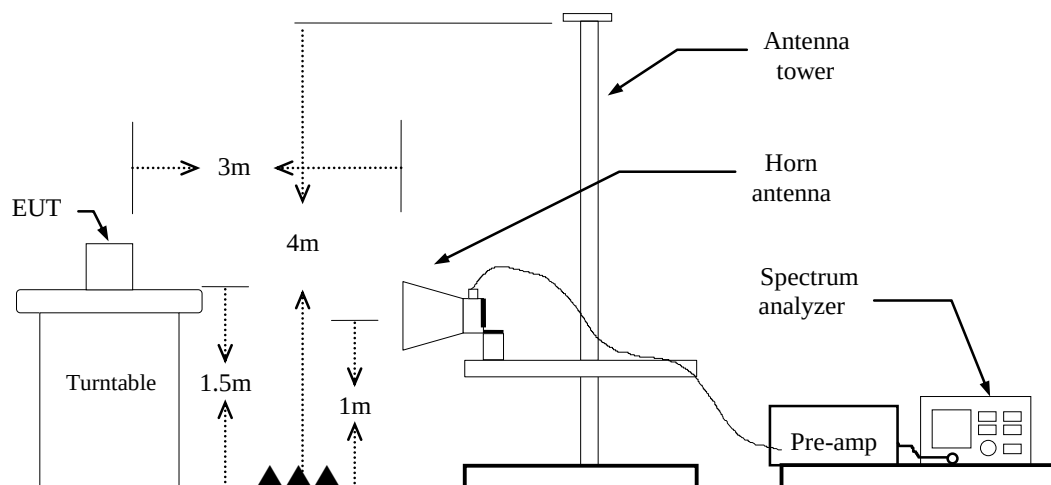
#### 9kHz ~ 30MHz



#### 30MHz ~ 1GHz



## Above 1 GHz

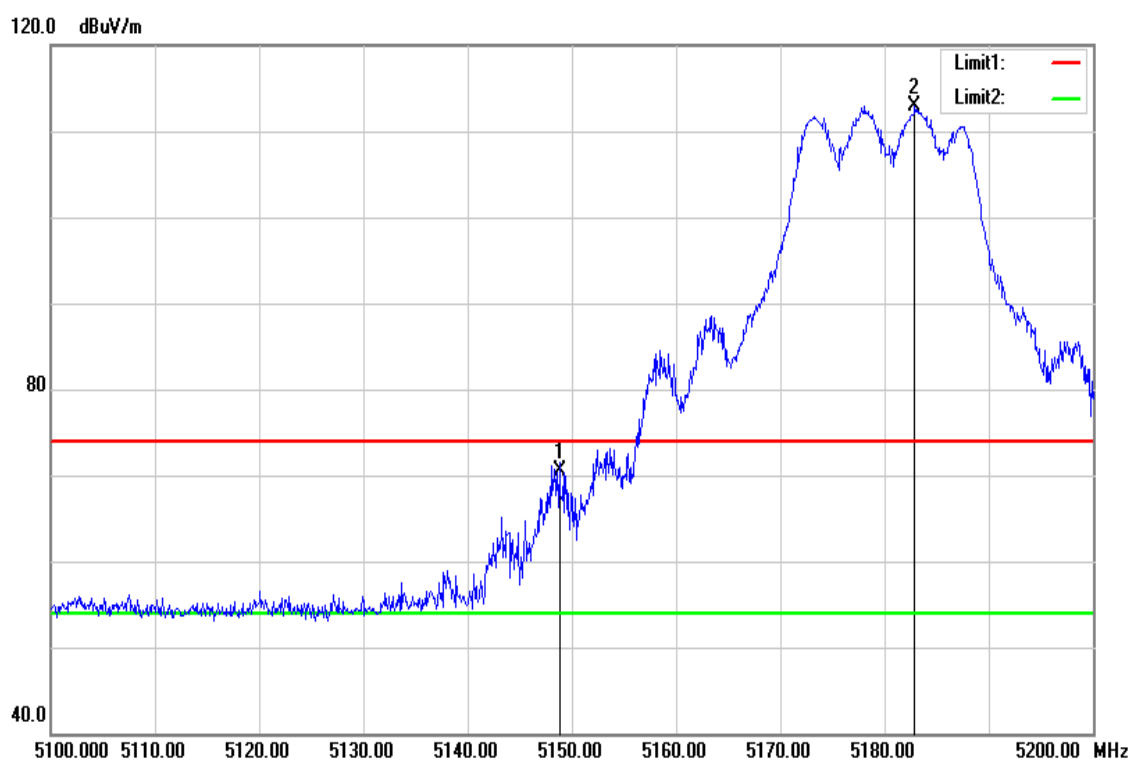


## 4.5.4 Test Result

### Test Data

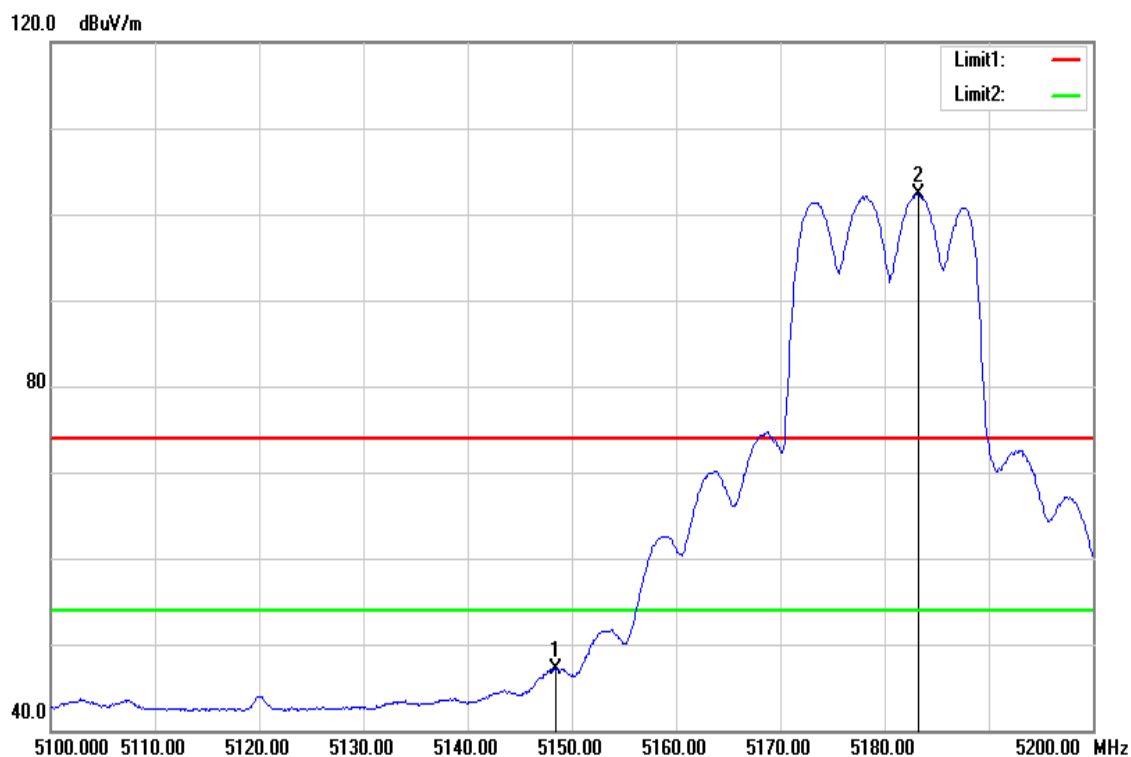
#### Band Edge Test Data for UNII-1

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5180MHZ | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge              | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Peak                   | Test Voltage  | 120Vac/60Hz      |



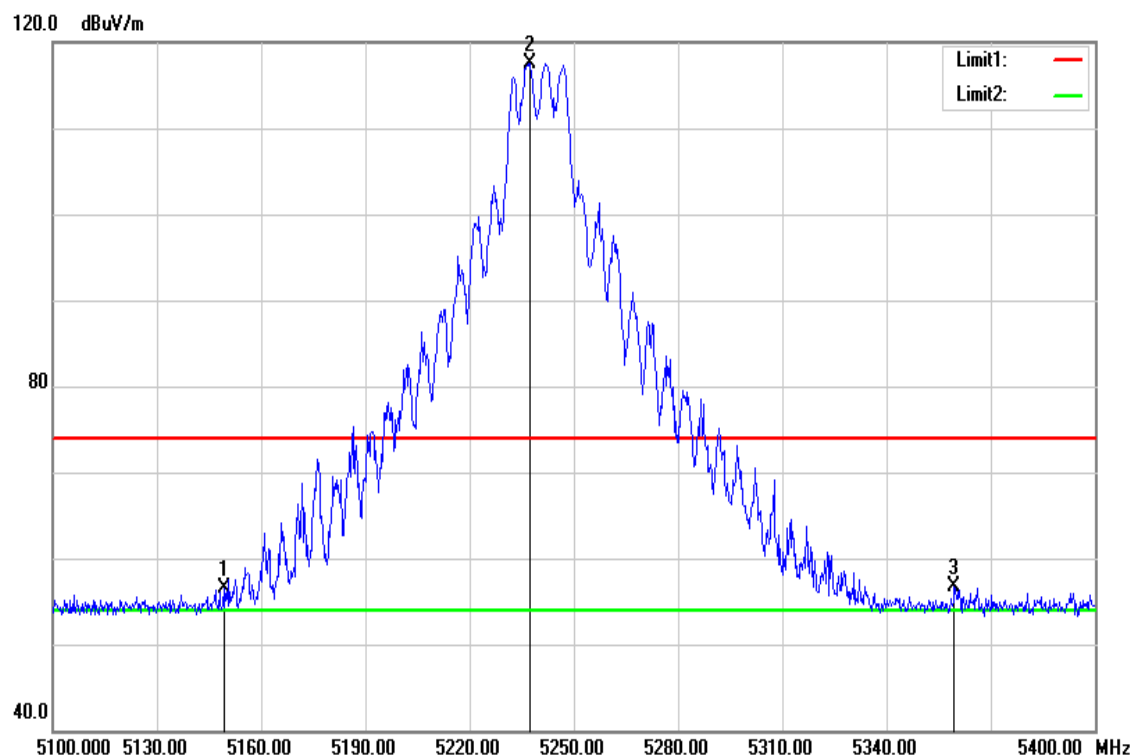
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5148.800        | 65.40          | 5.06                  | 70.46           | 74.00          | -3.54       | peak   |
| 5182.900        | 107.83         | 5.14                  | 112.97          | -              | -           | peak   |

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5180MHZ | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge              | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Average                | Test Voltage  | 120Vac/60Hz      |



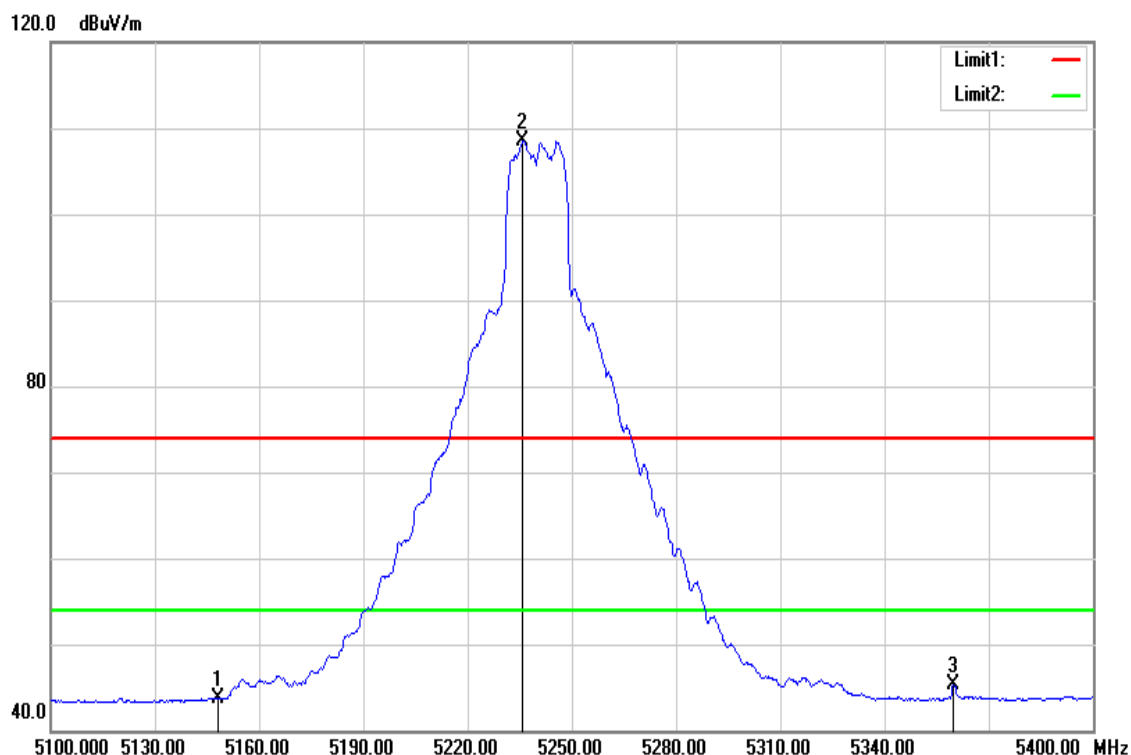
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5148.500        | 42.02          | 5.06                  | 47.08           | 54.00          | -6.92       | AVG    |
| 5183.200        | 97.16          | 5.14                  | 102.30          | -              | -           | AVG    |

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5240MHZ | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge              | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Peak                   | Test Voltage  | 120Vac/60Hz      |



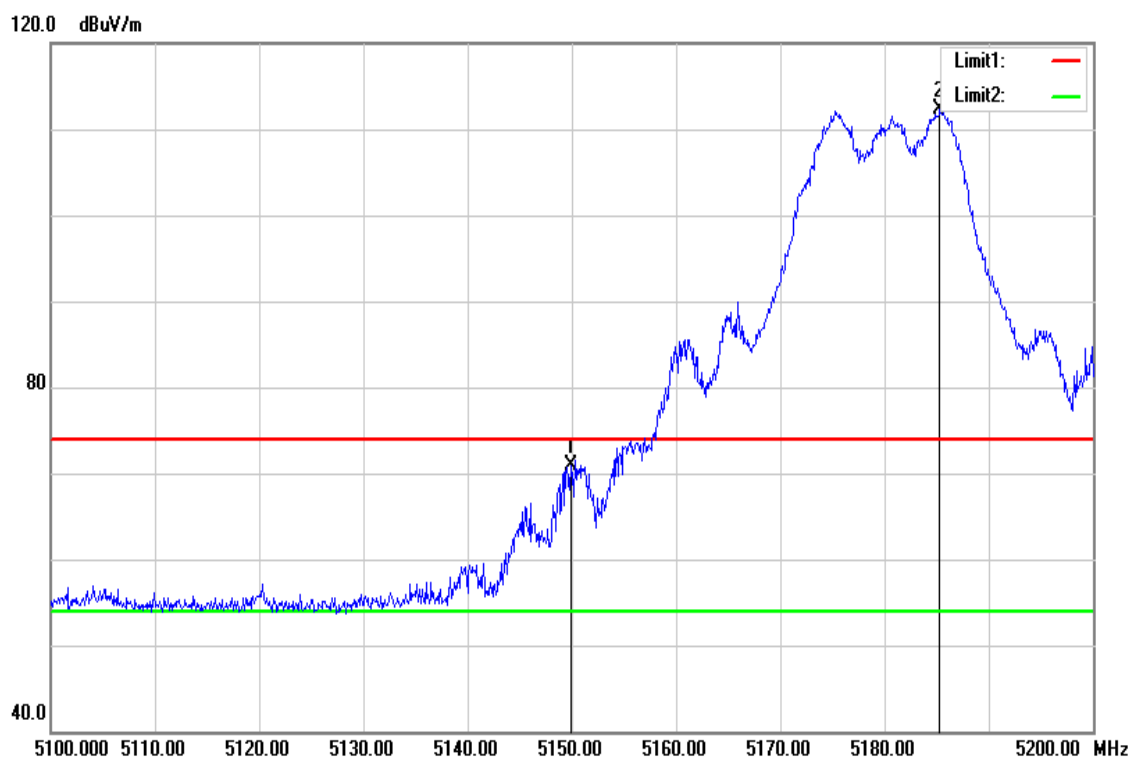
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5149.200        | 51.36          | 5.06                  | 56.42           | 74.00          | -17.58      | peak   |
| 5237.400        | 112.31         | 5.28                  | 117.59          | -              | -           | peak   |
| 5359.500        | 51.05          | 5.59                  | 56.64           | 74.00          | -17.36      | peak   |

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5240MHZ | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge              | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Average                | Test Voltage  | 120Vac/60Hz      |



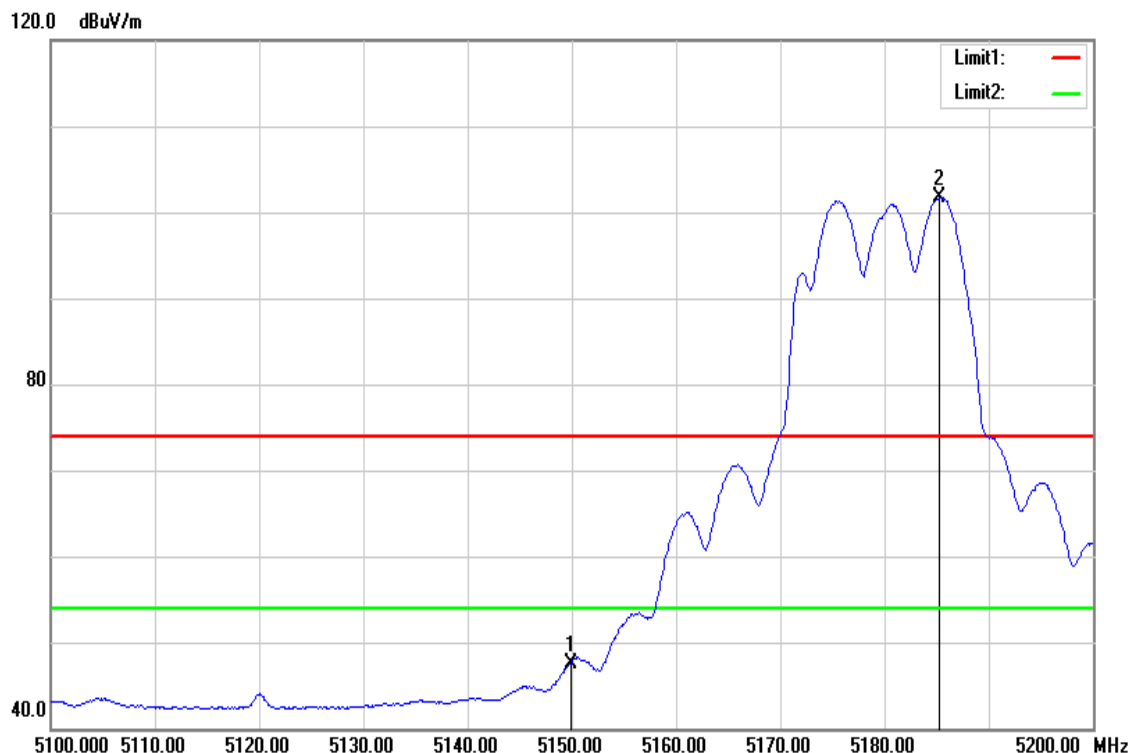
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5148.300        | 38.71          | 5.06                  | 43.77           | 54.00          | -10.23      | AVG    |
| 5235.900        | 103.23         | 5.28                  | 108.51          | -              | -           | AVG    |
| 5359.800        | 39.69          | 5.59                  | 45.28           | 54.00          | -8.72       | AVG    |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5180MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak                          | Test Voltage  | 120Vac/60Hz      |



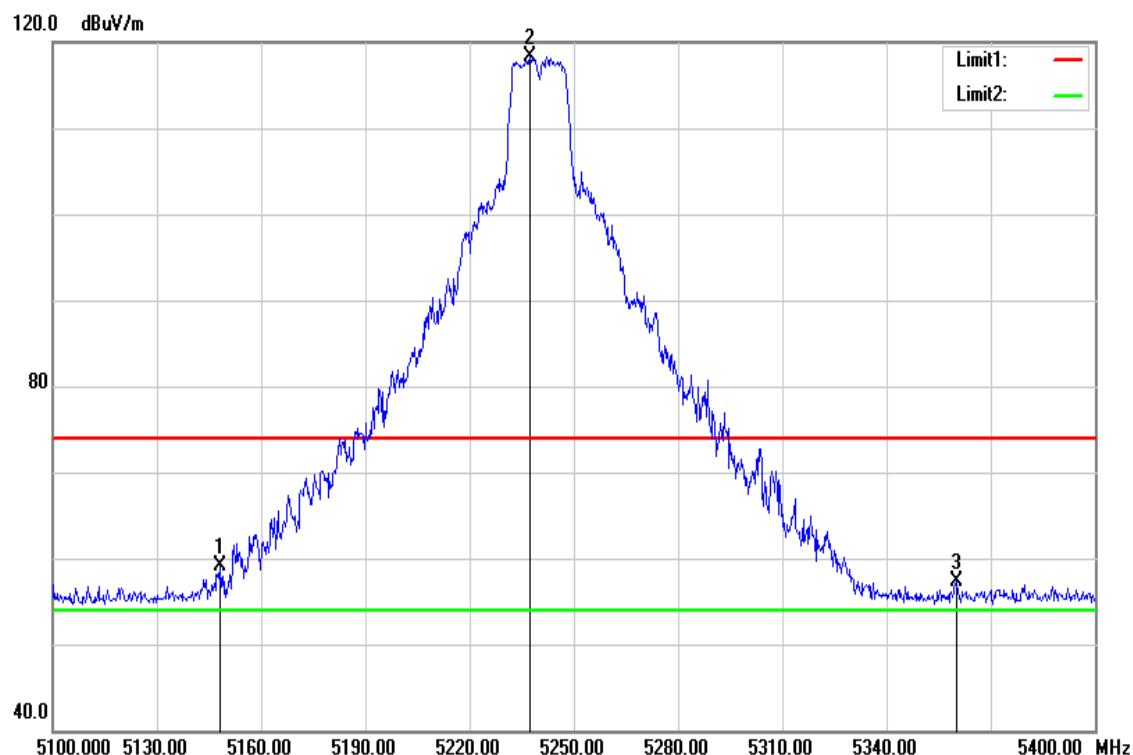
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5149.900        | 65.79          | 5.06                  | 70.85           | 74.00          | -3.15       | peak   |
| 5185.300        | 107.18         | 5.15                  | 112.33          | -              | -           | peak   |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5180MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Average                       | Test Voltage  | 120Vac/60Hz      |



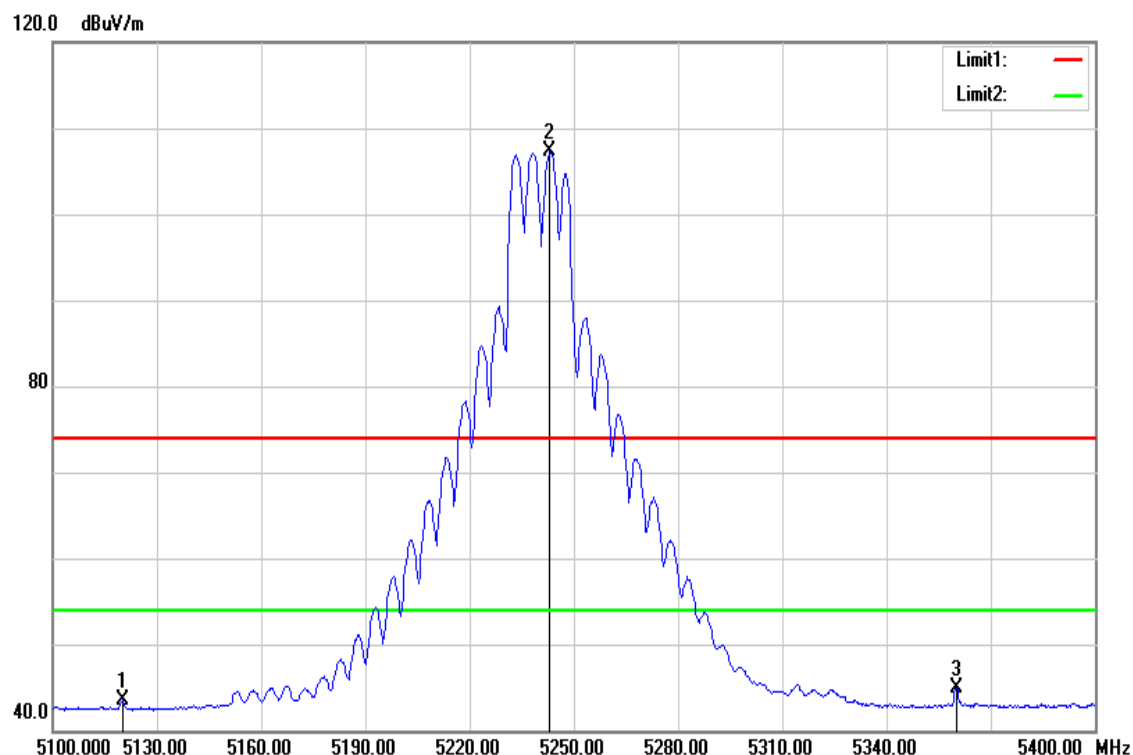
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5149.900        | 42.53          | 5.06                  | 47.59           | 54.00          | -6.41       | AVG    |
| 5185.300        | 96.60          | 5.15                  | 101.75          | -              | -           | AVG    |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5240MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak                          | Test Voltage  | 120Vac/60Hz      |



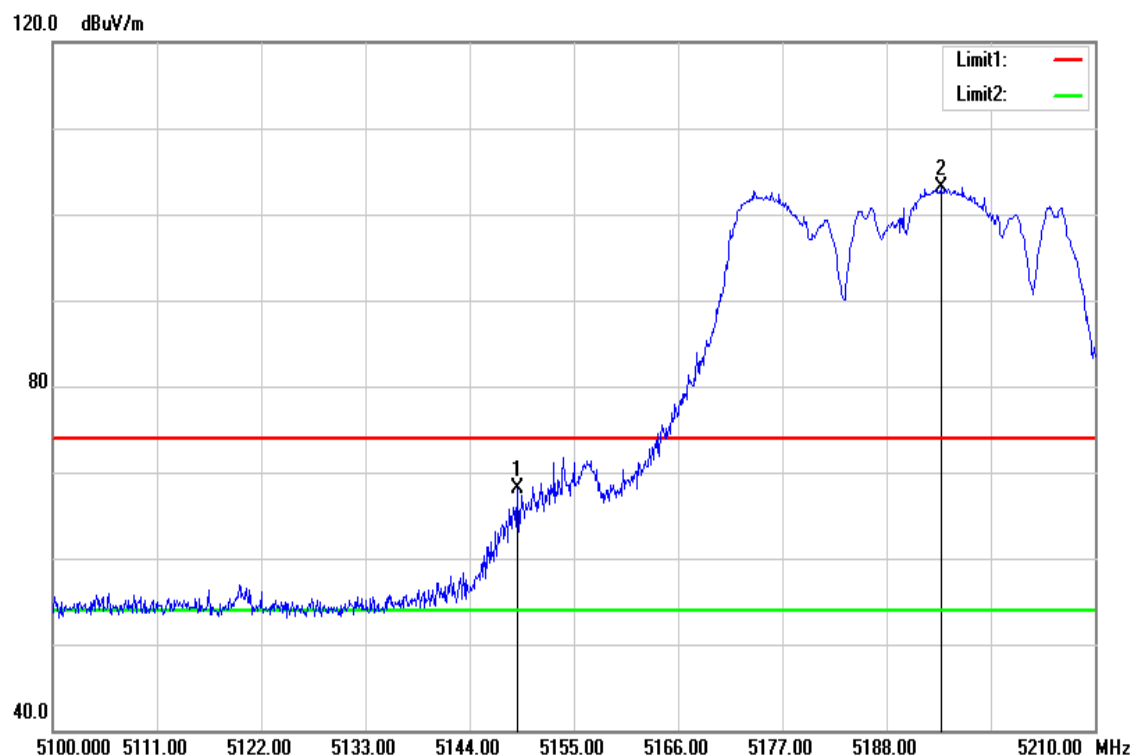
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5148.300        | 54.10          | 5.06                  | 59.16           | 74.00          | -14.84      | peak   |
| 5237.400        | 113.08         | 5.28                  | 118.36          | -              | -           | peak   |
| 5360.100        | 51.81          | 5.59                  | 57.40           | 74.00          | -16.60      | peak   |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5240MHZ | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Average                       | Test Voltage  | 120Vac/60Hz      |



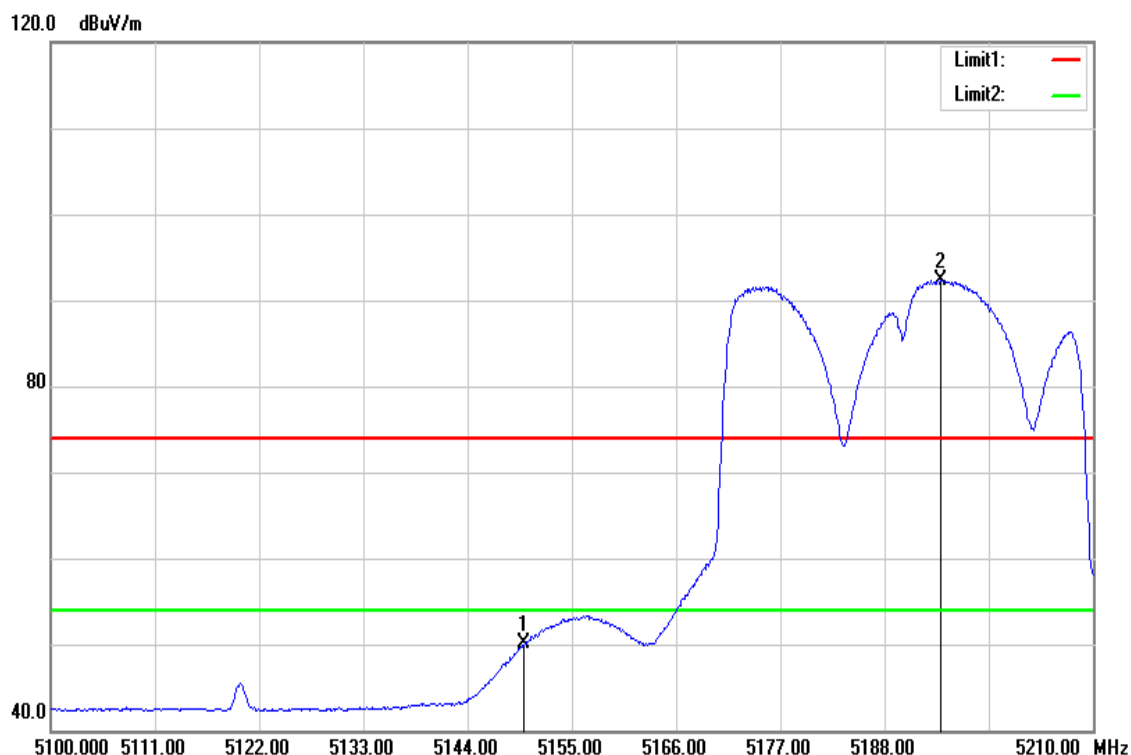
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5120.100        | 38.44          | 4.99                  | 43.43           | 54.00          | -10.57      | AVG    |
| 5243.100        | 101.97         | 5.29                  | 107.26          | -              | -           | AVG    |
| 5360.100        | 39.39          | 5.59                  | 44.98           | 54.00          | -9.02       | AVG    |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5190MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak                          | Test Voltage  | 120Vac/60Hz      |



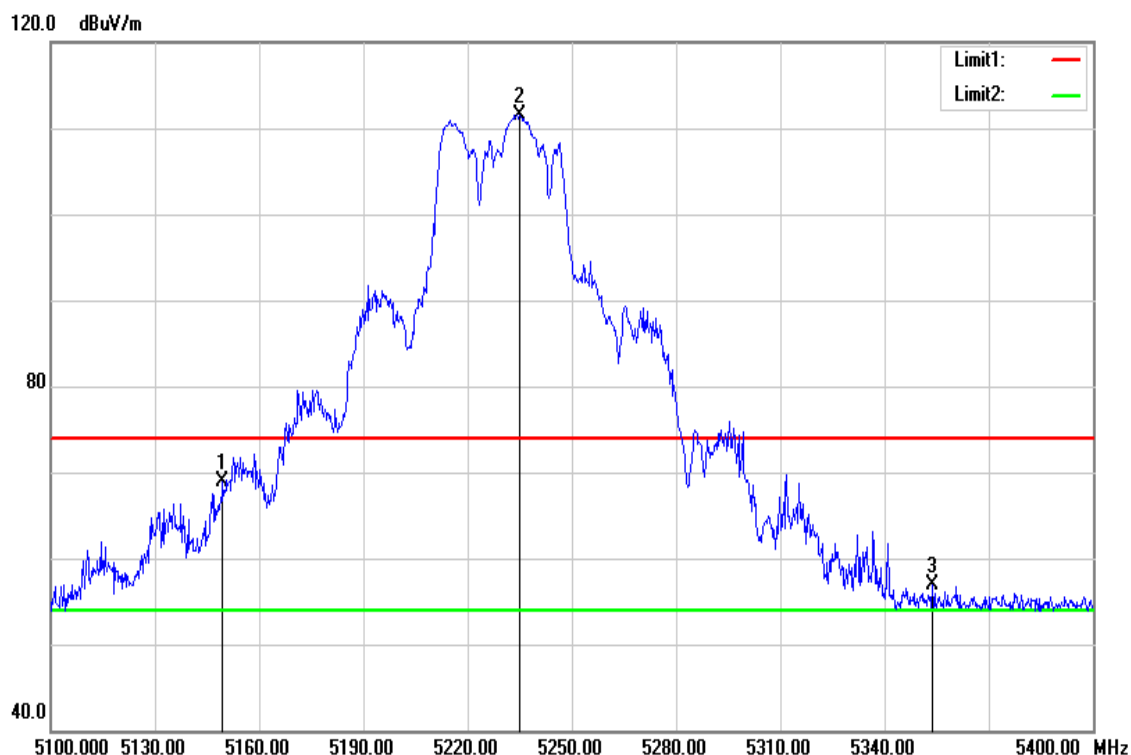
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5149.060        | 62.97          | 5.06                  | 68.03           | 74.00          | -5.97       | peak   |
| 5193.720        | 97.84          | 5.17                  | 103.01          | -              | -           | peak   |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5190MHz | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Average                       | Test Voltage  | 120Vac/60Hz      |



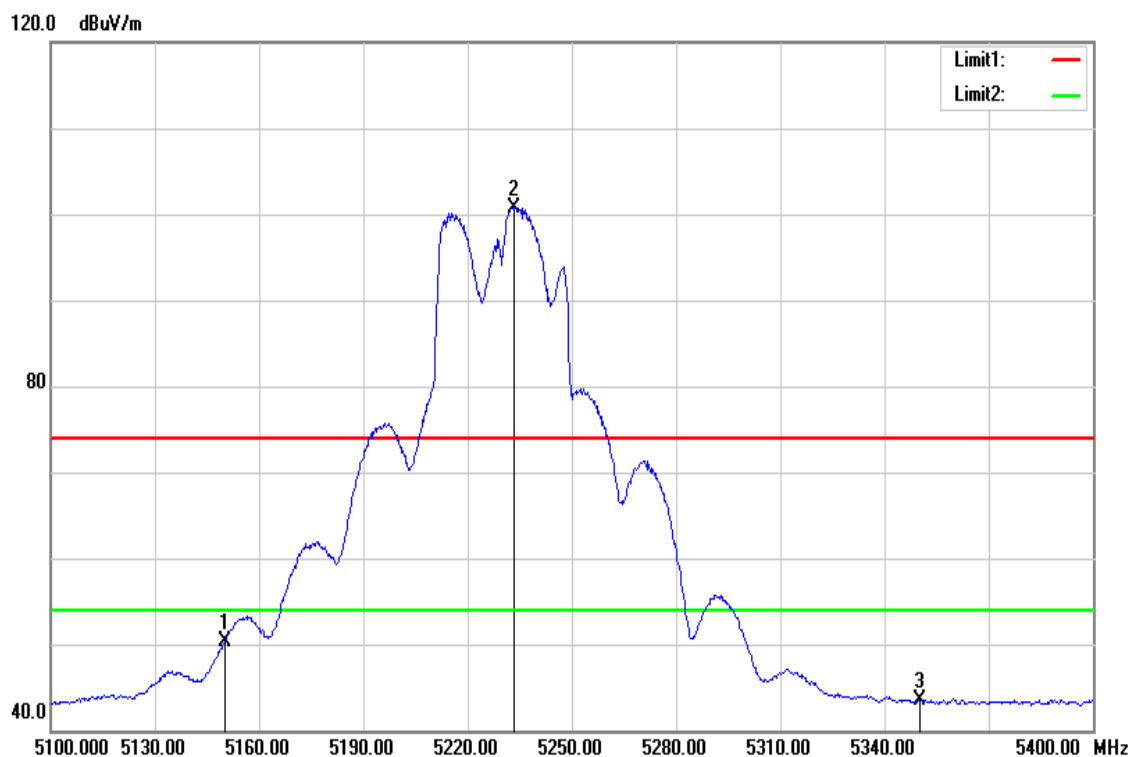
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5150.000        | 44.97          | 5.06                  | 50.03           | 54.00          | -3.97       | AVG    |
| 5193.940        | 87.14          | 5.17                  | 92.31           | -              | -           | AVG    |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5230MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak                          | Test Voltage  | 120Vac/60Hz      |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5149.500        | 63.83          | 5.06                  | 68.89           | 74.00          | -5.11       | peak   |
| 5235.000        | 106.28         | 5.27                  | 111.55          | -              | -           | peak   |
| 5353.800        | 51.30          | 5.56                  | 56.86           | 74.00          | -17.14      | peak   |

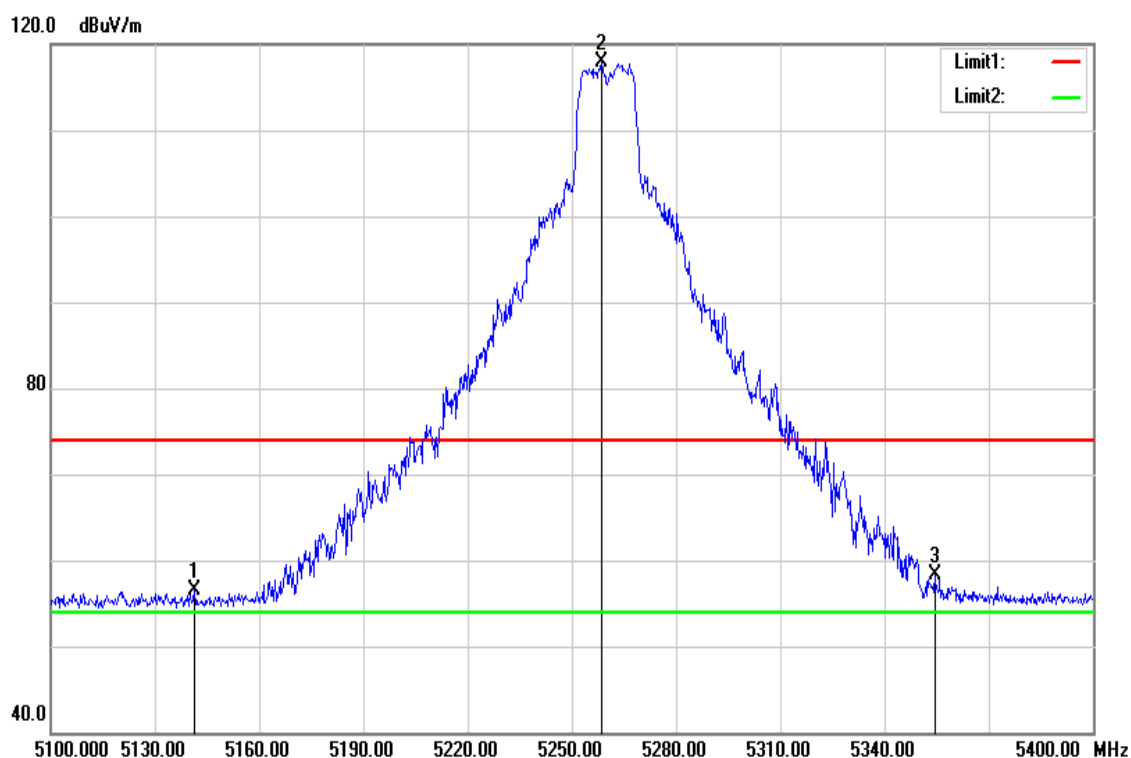
|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5230MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Average                       | Test Voltage  | 120Vac/60Hz      |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5150.000        | 45.20          | 5.06                  | 50.26           | 54.00          | -3.74       | AVG    |
| 5233.200        | 95.53          | 5.27                  | 100.80          | -              | -           | AVG    |
| 5350.000        | 37.98          | 5.56                  | 43.54           | 54.00          | -10.46      | AVG    |

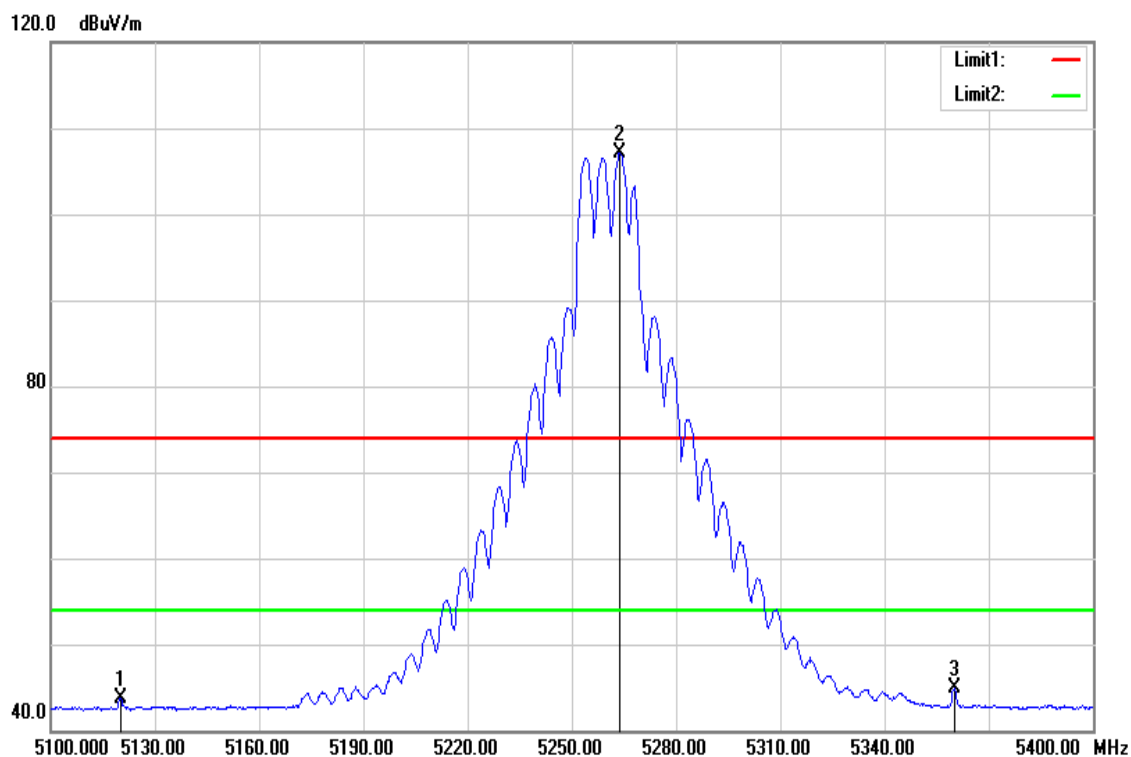
**Band Edge Test Data for UNII-2a**

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5260 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge               | Test Date     | January 24, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak                    | Test Voltage  | 120Vac/60Hz      |



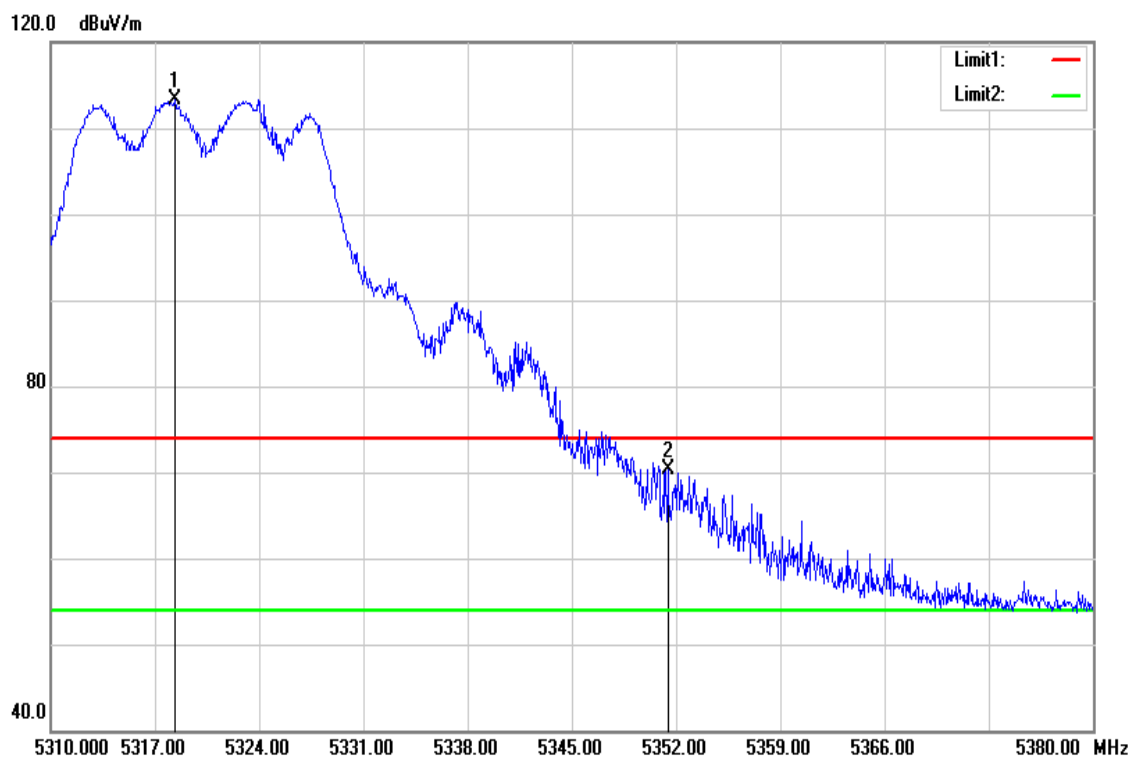
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5141.400        | 51.41          | 5.03                  | 56.44           | 74.00          | -17.56      | peak   |
| 5258.400        | 112.54         | 5.34                  | 117.88          | -              | -           | peak   |
| 5354.400        | 52.84          | 5.56                  | 58.40           | 74.00          | -15.60      | peak   |

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5260MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge              | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Average                | Test Voltage  | 120Vac/60Hz      |



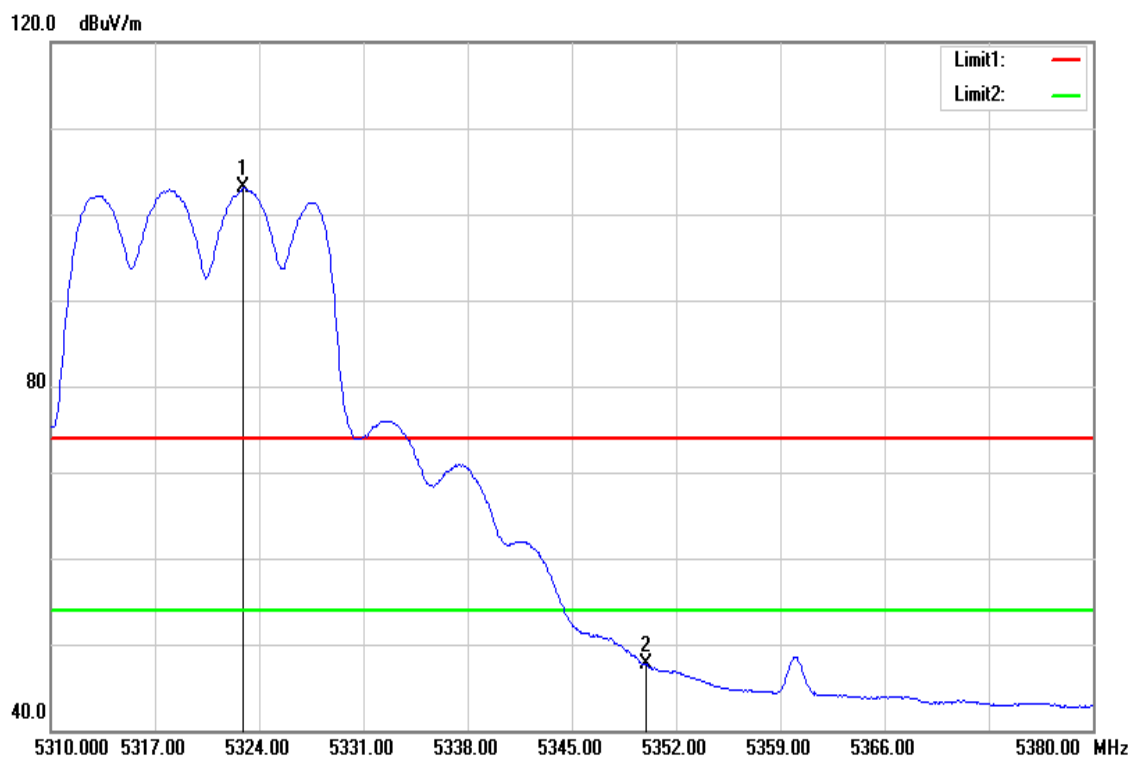
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5120.100        | 38.76          | 4.99                  | 43.75           | 54.00          | -10.25      | AVG    |
| 5263.800        | 101.72         | 5.34                  | 107.06          | -              | -           | AVG    |
| 5360.100        | 39.22          | 5.59                  | 44.81           | 54.00          | -9.19       | AVG    |

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5320MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge              | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Peak                   | Test Voltage  | 120Vac/60Hz      |



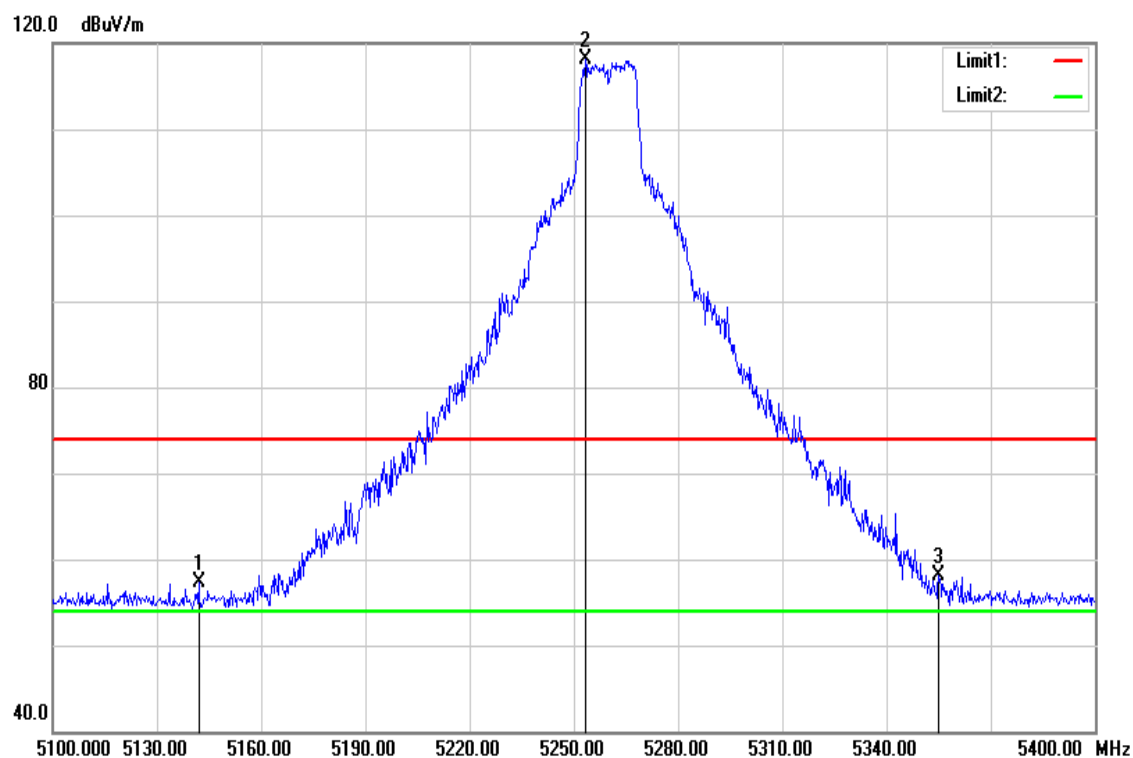
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5318.330        | 107.85         | 5.48                  | 113.33          | -              | -           | peak   |
| 5351.440        | 64.75          | 5.56                  | 70.31           | 74.00          | -3.69       | peak   |

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5320MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge              | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Average                | Test Voltage  | 120Vac/60Hz      |



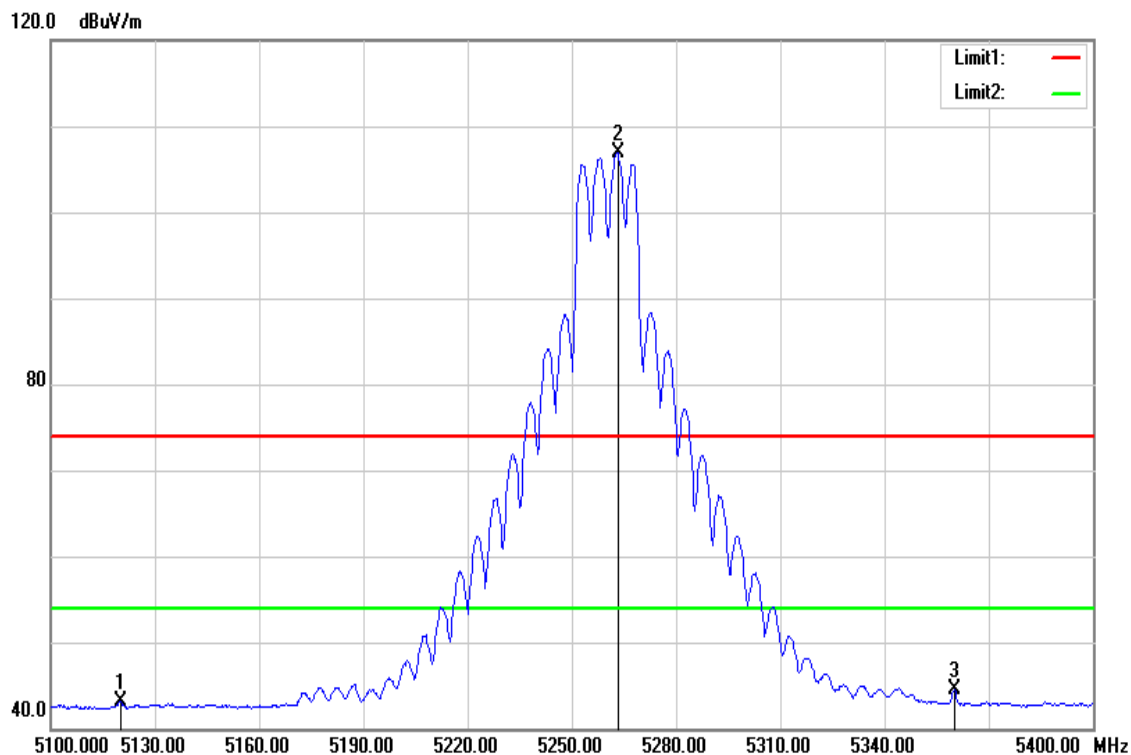
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5322.880        | 97.57          | 5.48                  | 103.05          | -              | -           | AVG    |
| 5350.000        | 42.10          | 5.56                  | 47.66           | 54.00          | -6.34       | AVG    |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5260MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak                          | Test Voltage  | 120Vac/60Hz      |



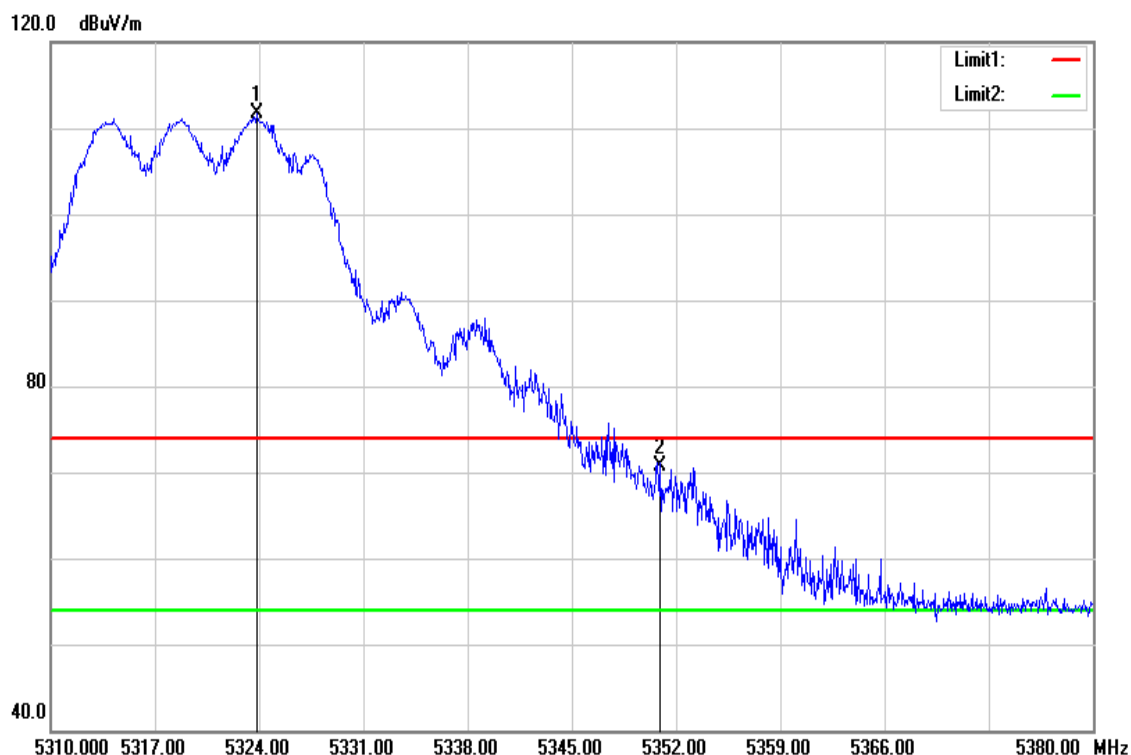
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5142.000        | 52.25          | 5.04                  | 57.29           | 74.00          | -16.71      | peak   |
| 5253.300        | 112.74         | 5.31                  | 118.05          | -              | -           | peak   |
| 5355.000        | 52.51          | 5.56                  | 58.07           | 74.00          | -15.93      | peak   |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5260MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Average                       | Test Voltage  | 120Vac/60Hz      |



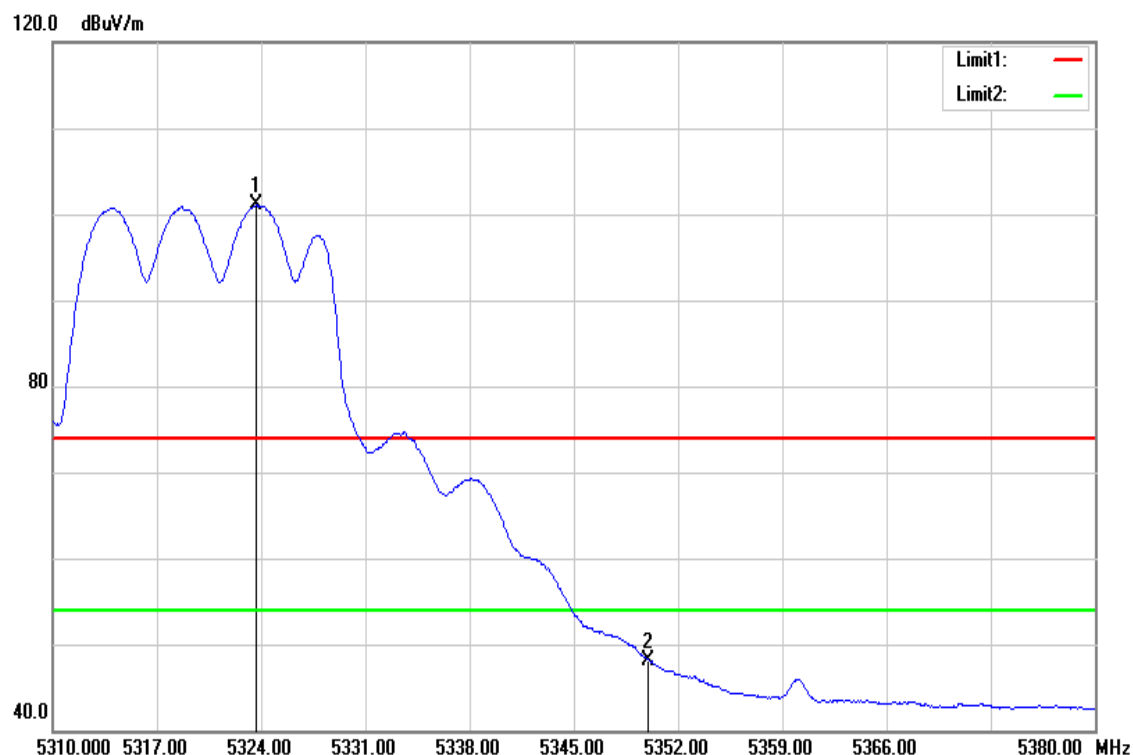
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5120.100        | 38.09          | 4.99                  | 43.08           | 54.00          | -10.92      | AVG    |
| 5263.200        | 101.50         | 5.34                  | 106.84          | -              | -           | AVG    |
| 5360.100        | 38.85          | 5.59                  | 44.44           | 54.00          | -9.56       | AVG    |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5320MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak                          | Test Voltage  | 120Vac/60Hz      |



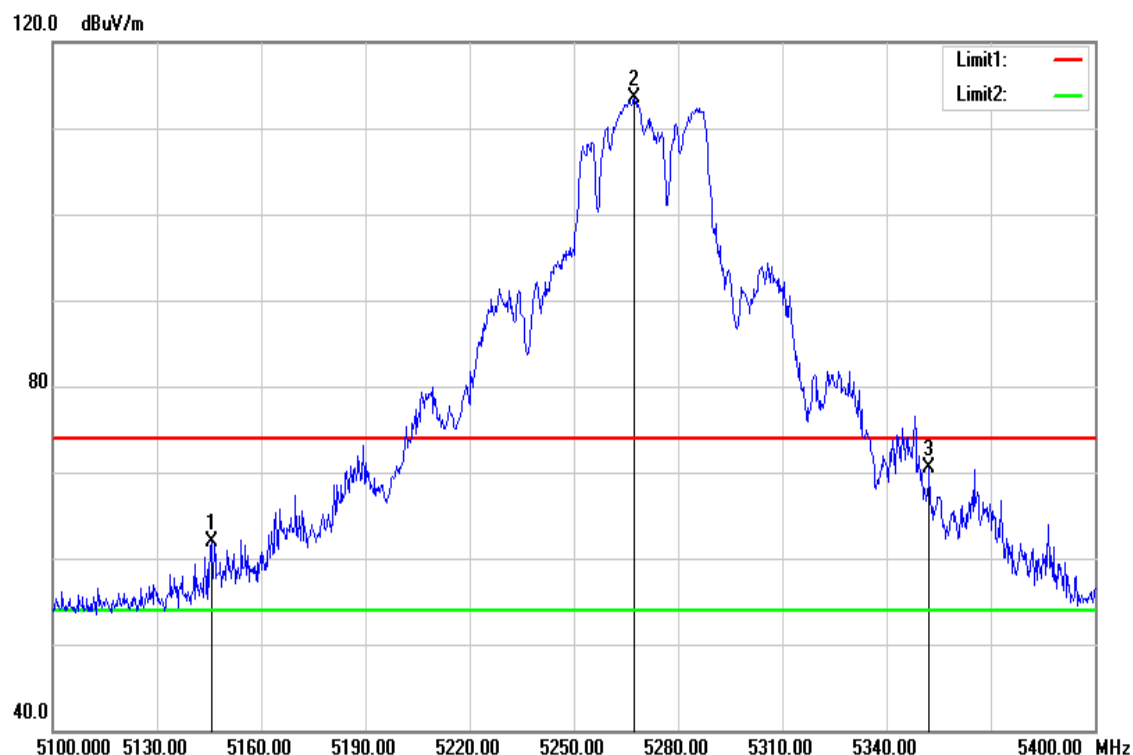
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5323.860        | 106.15         | 5.48                  | 111.63          | -              | -           | peak   |
| 5350.950        | 65.11          | 5.56                  | 70.67           | 74.00          | -3.33       | peak   |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5320MHz | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Average                       | Test Voltage  | 120Vac/60Hz      |



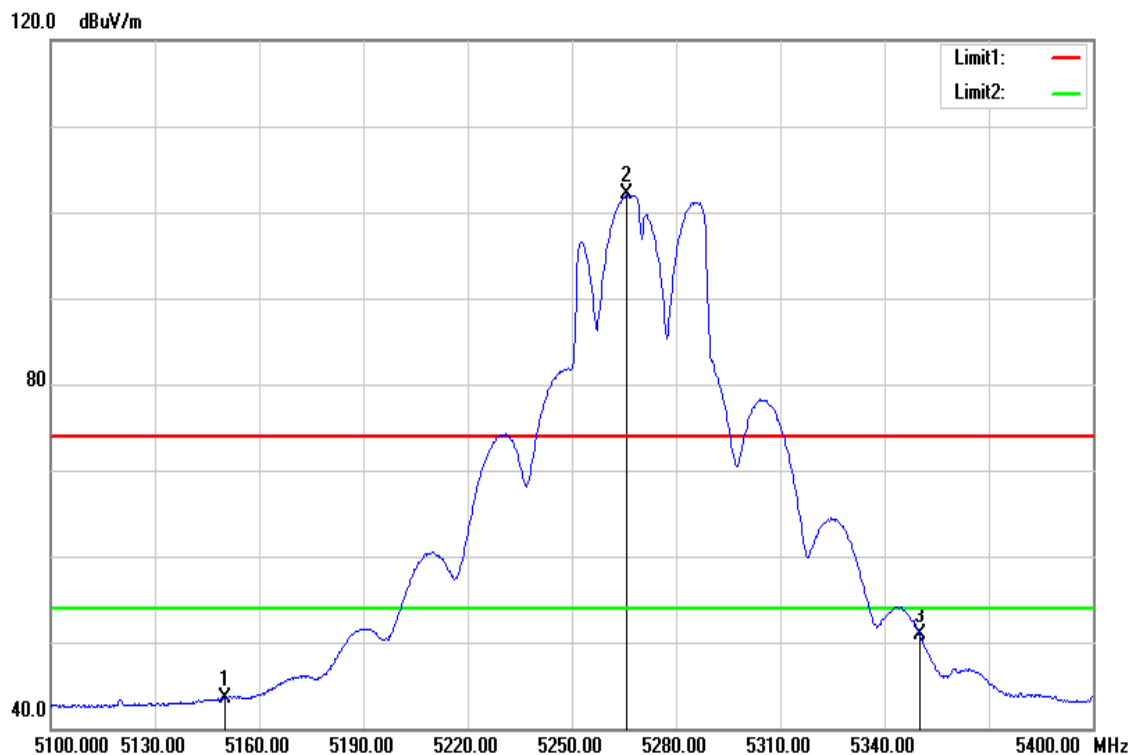
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5323.650        | 95.58          | 5.48                  | 101.06          | -              | -           | AVG    |
| 5350.000        | 42.54          | 5.56                  | 48.10           | 54.00          | -5.90       | AVG    |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5270MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak                          | Test Voltage  | 120Vac/60Hz      |



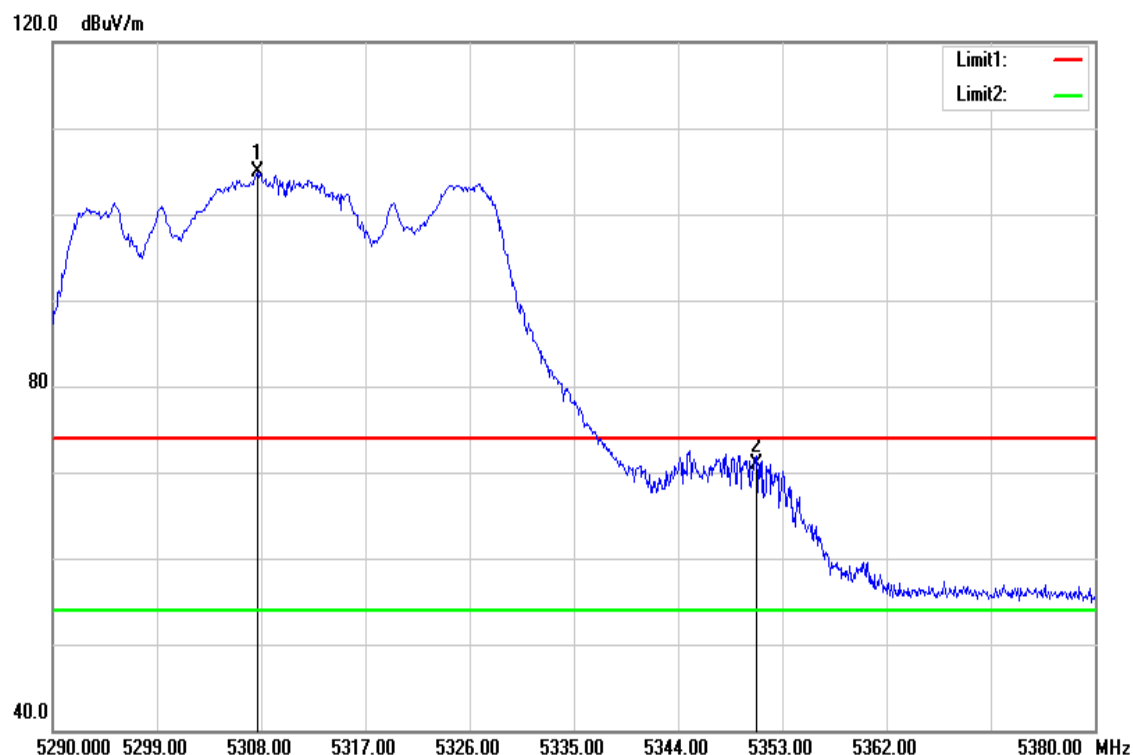
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5145.600        | 56.93          | 5.06                  | 61.99           | 74.00          | -12.01      | peak   |
| 5267.400        | 108.17         | 5.36                  | 113.53          | -              | -           | peak   |
| 5352.300        | 65.01          | 5.56                  | 70.57           | 74.00          | -3.43       | peak   |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5270MHz | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Average                       | Test Voltage  | 120Vac/60Hz      |



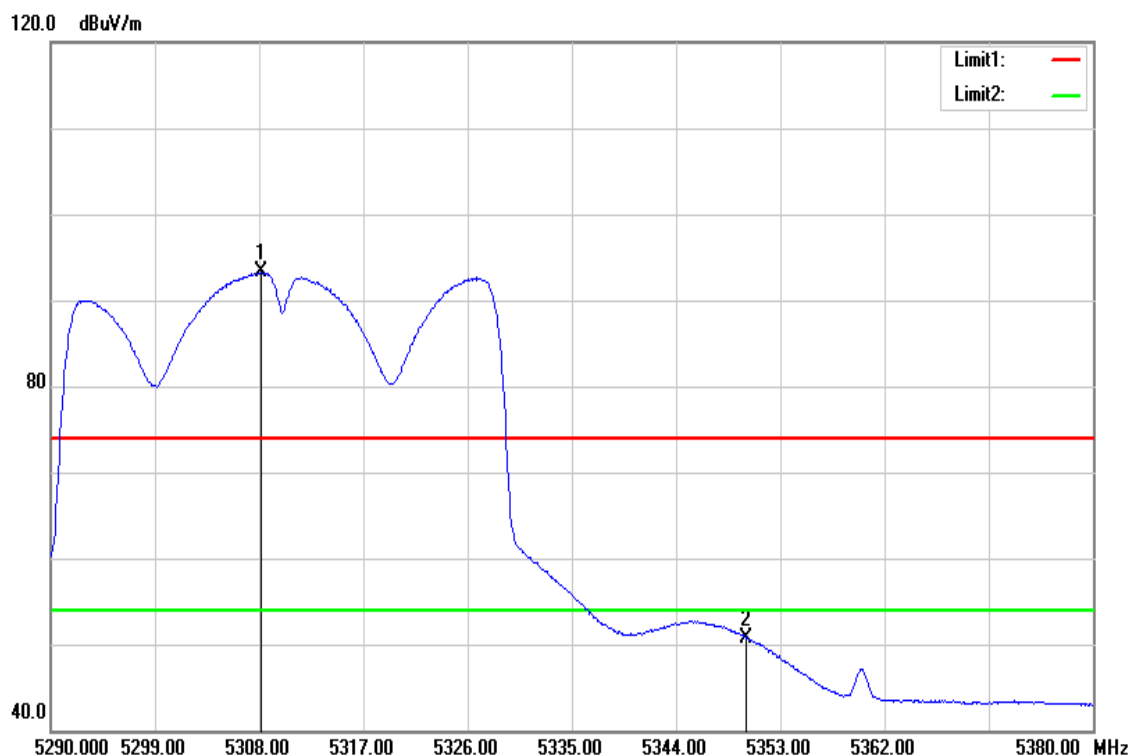
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5150.000        | 38.38          | 5.06                  | 43.44           | 54.00          | -10.56      | AVG    |
| 5265.600        | 96.66          | 5.35                  | 102.01          | -              | -           | AVG    |
| 5350.000        | 45.28          | 5.56                  | 50.84           | 54.00          | -3.16       | AVG    |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5310MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak                          | Test Voltage  | 120Vac/60Hz      |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5307.730        | 99.47          | 5.45                  | 104.92          | -              | -           | peak   |
| 5350.750        | 65.26          | 5.56                  | 70.82           | 74.00          | -3.18       | peak   |

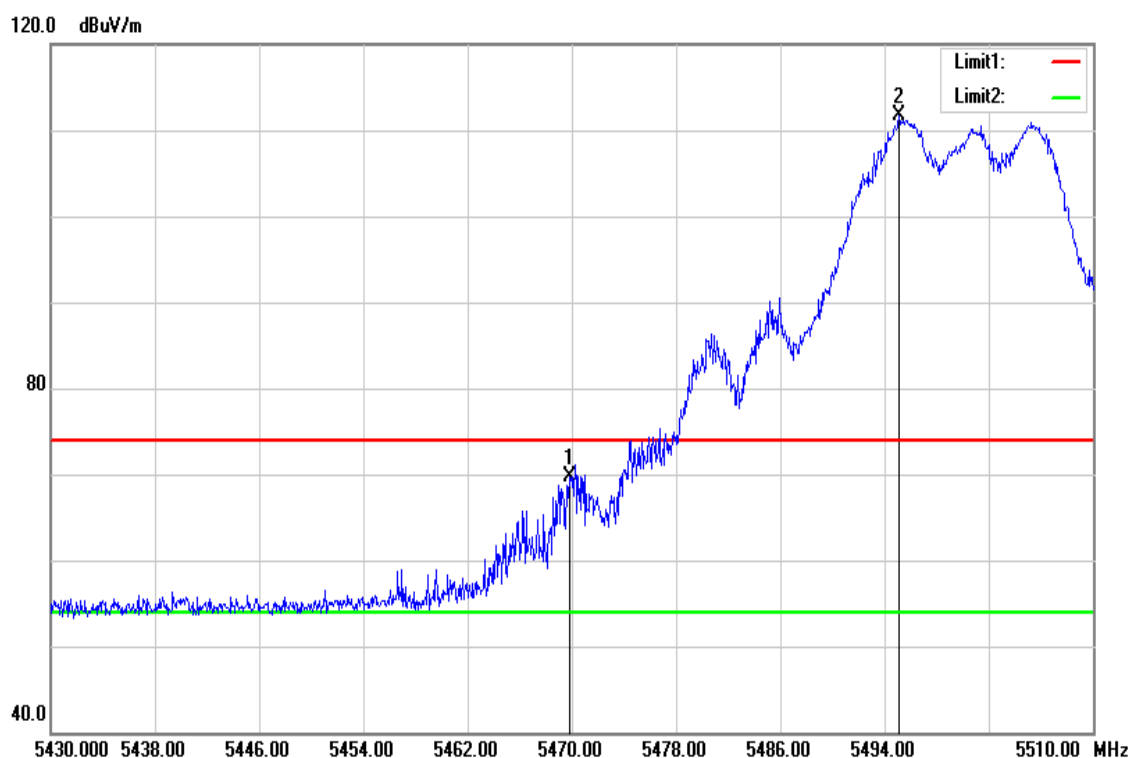
|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5310MHz | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Average                       | Test Voltage  | 120Vac/60Hz      |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5308.180        | 87.80          | 5.45                  | 93.25           | -              | -           | AVG    |
| 5350.000        | 45.20          | 5.56                  | 50.76           | 54.00          | -3.24       | AVG    |

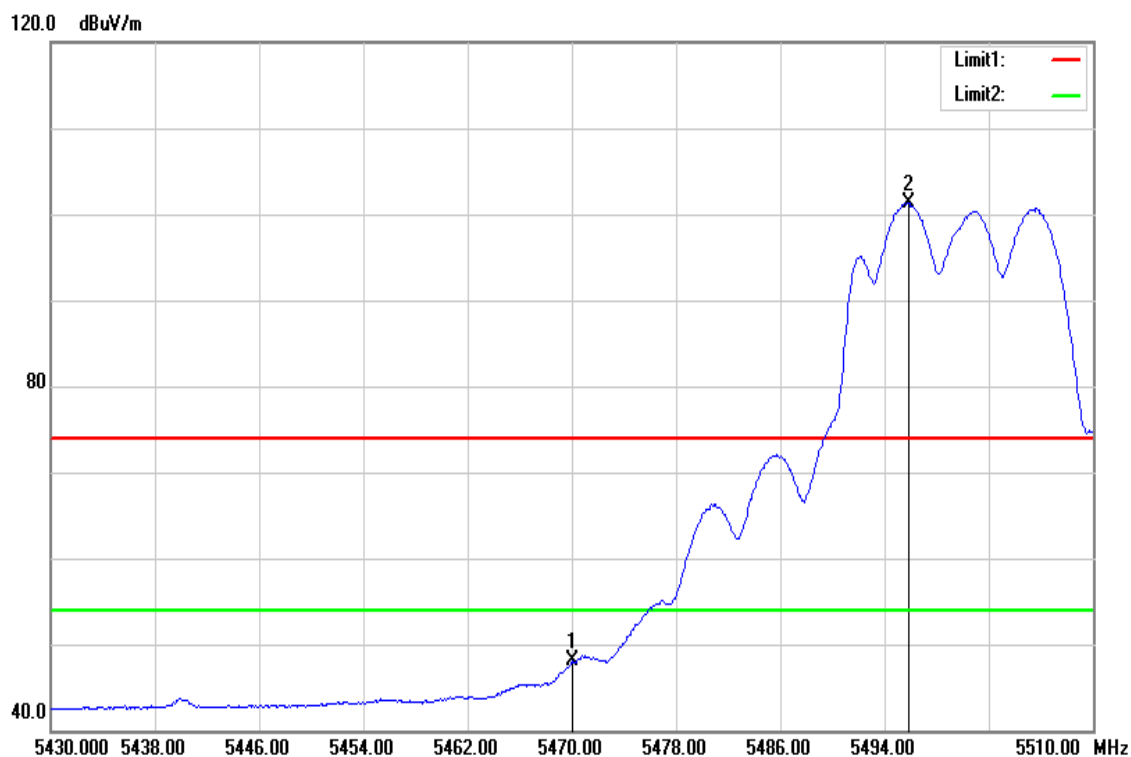
**Band Edge Test Data for UNII-2c**

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5500MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge              | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Peak                   | Test Voltage  | 120Vac/60Hz      |



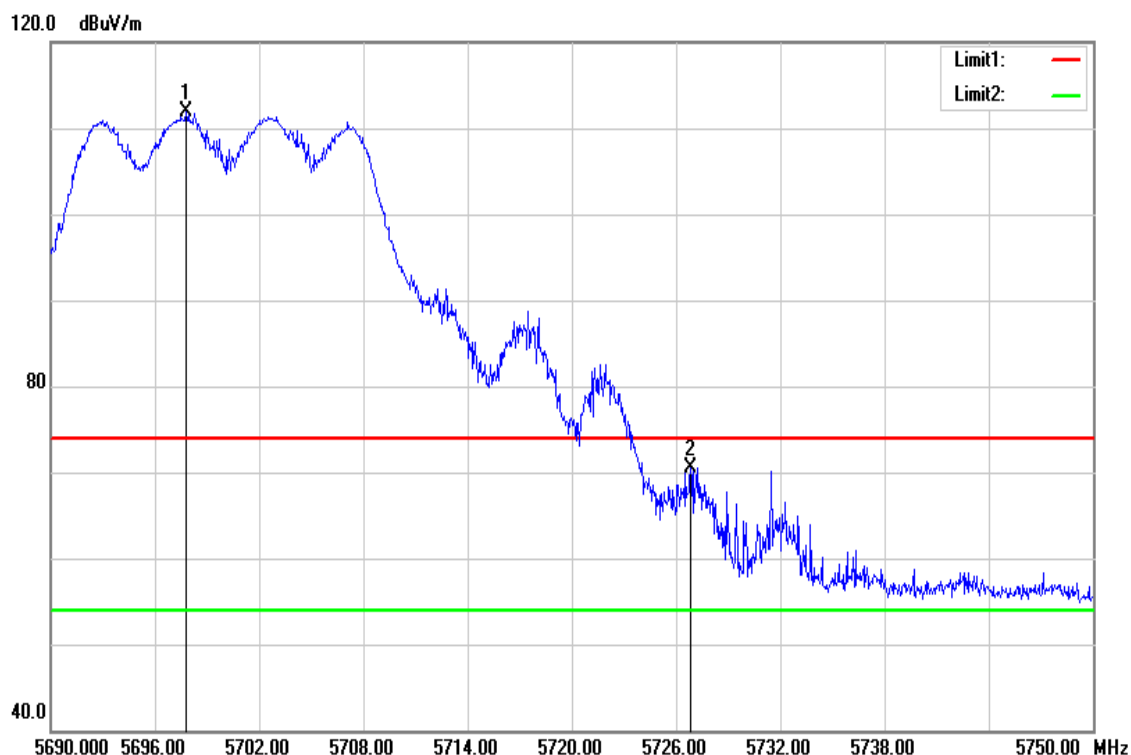
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5469.840        | 63.85          | 5.85                  | 69.70           | 74.00          | -4.30       | peak   |
| 5495.120        | 105.73         | 5.93                  | 111.66          | -              | -           | peak   |

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5500MHz | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge              | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Average                | Test Voltage  | 120Vac/60Hz      |



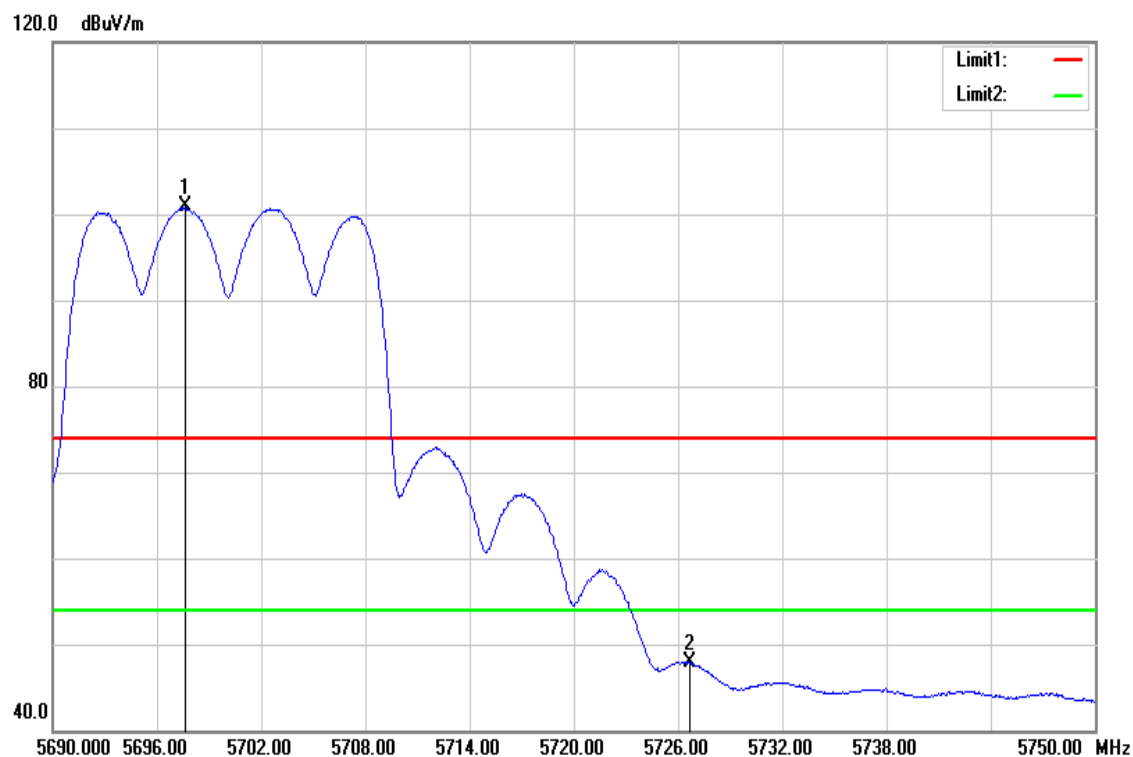
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5470.000        | 42.17          | 5.85                  | 48.02           | 54.00          | -5.98       | AVG    |
| 5495.840        | 95.39          | 5.93                  | 101.32          | -              | -           | AVG    |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5700 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge               | Test Date     | January 24, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak                    | Test Voltage  | 120Vac/60Hz      |



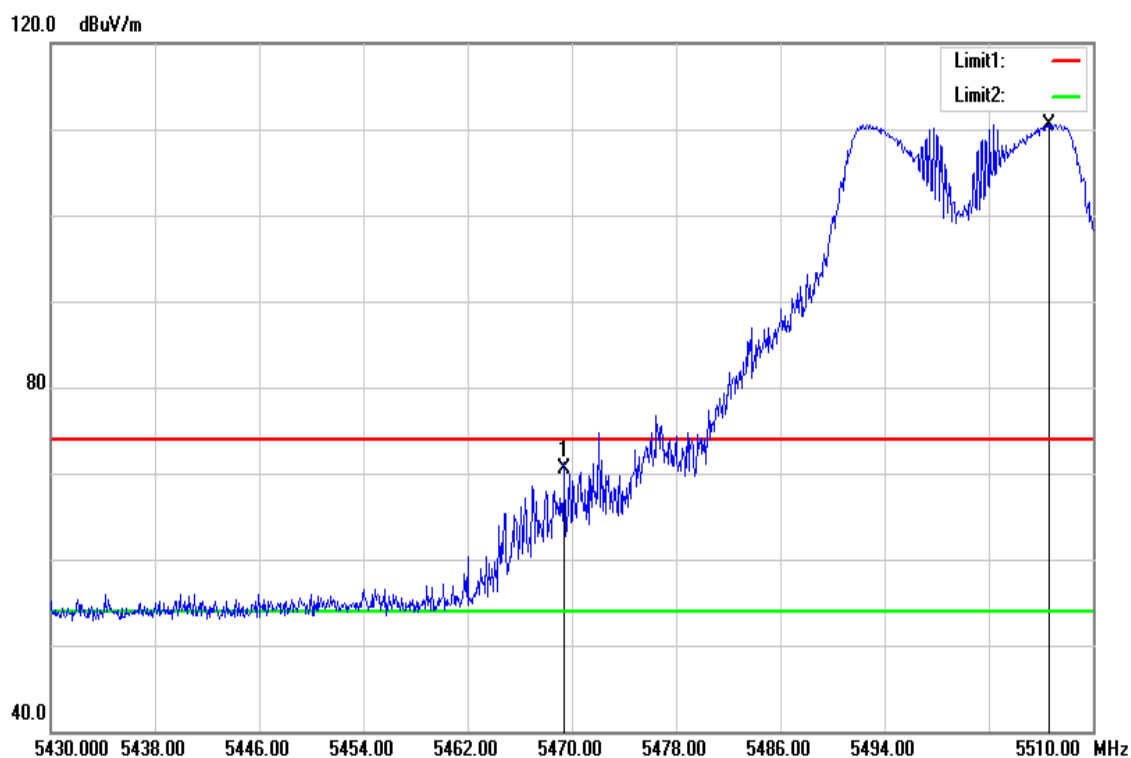
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5697.800        | 105.41         | 6.46                  | 111.87          | -              | -           | peak   |
| 5726.840        | 64.02          | 6.52                  | 70.54           | 74.00          | -3.46       | peak   |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5700 MHz | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge               | Test Date     | January 24, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Average                 | Test Voltage  | 120Vac/60Hz      |



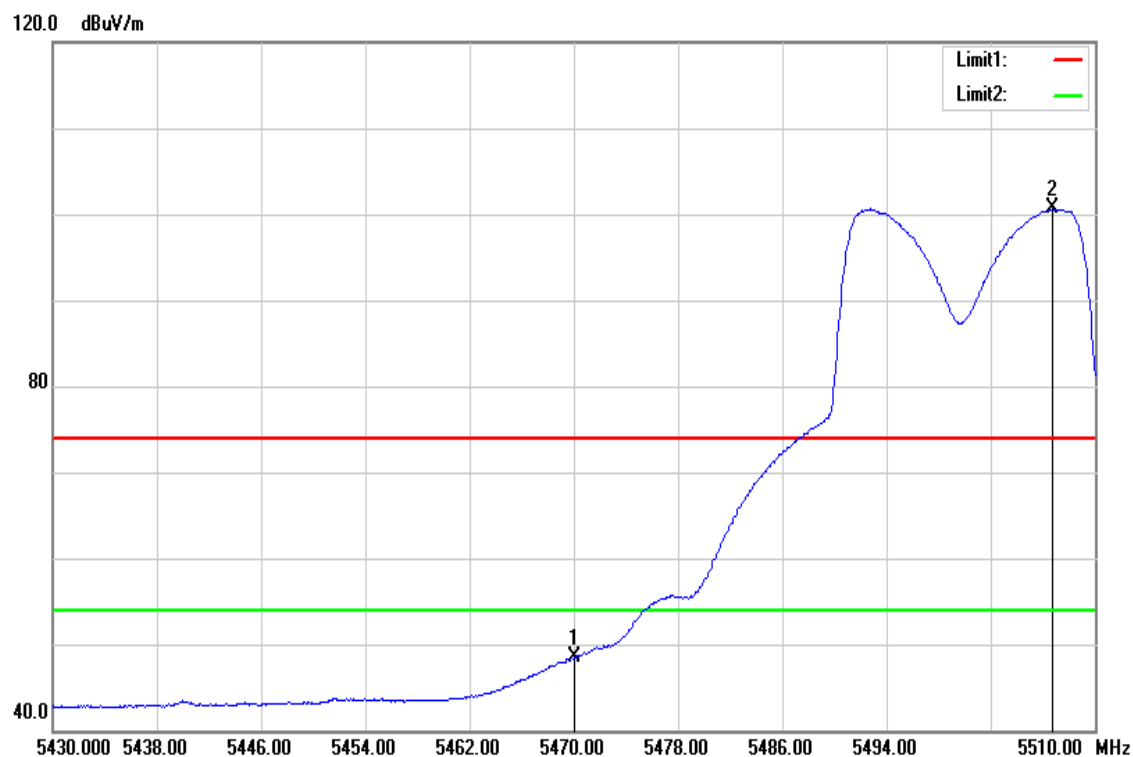
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5697.620        | 94.43          | 6.46                  | 100.89          | -              | -           | AVG    |
| 5726.660        | 41.43          | 6.52                  | 47.95           | 54.00          | -6.05       | AVG    |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5500MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak                          | Test Voltage  | 120Vac/60Hz      |



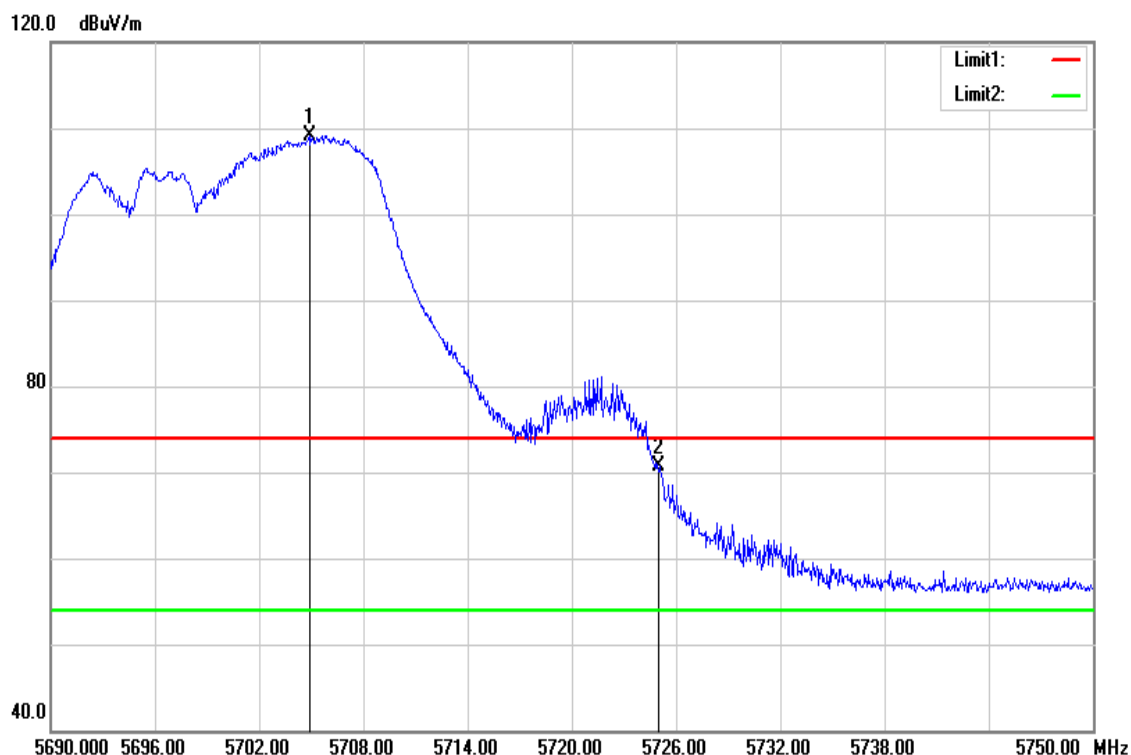
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5469.440        | 64.71          | 5.85                  | 70.56           | 74.00          | -3.44       | peak   |
| 5506.640        | 104.65         | 5.95                  | 110.60          | -              | -           | peak   |

|           |                               |               |                  |
|-----------|-------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5500MHz | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Average                       | Test Voltage  | 120Vac/60Hz      |



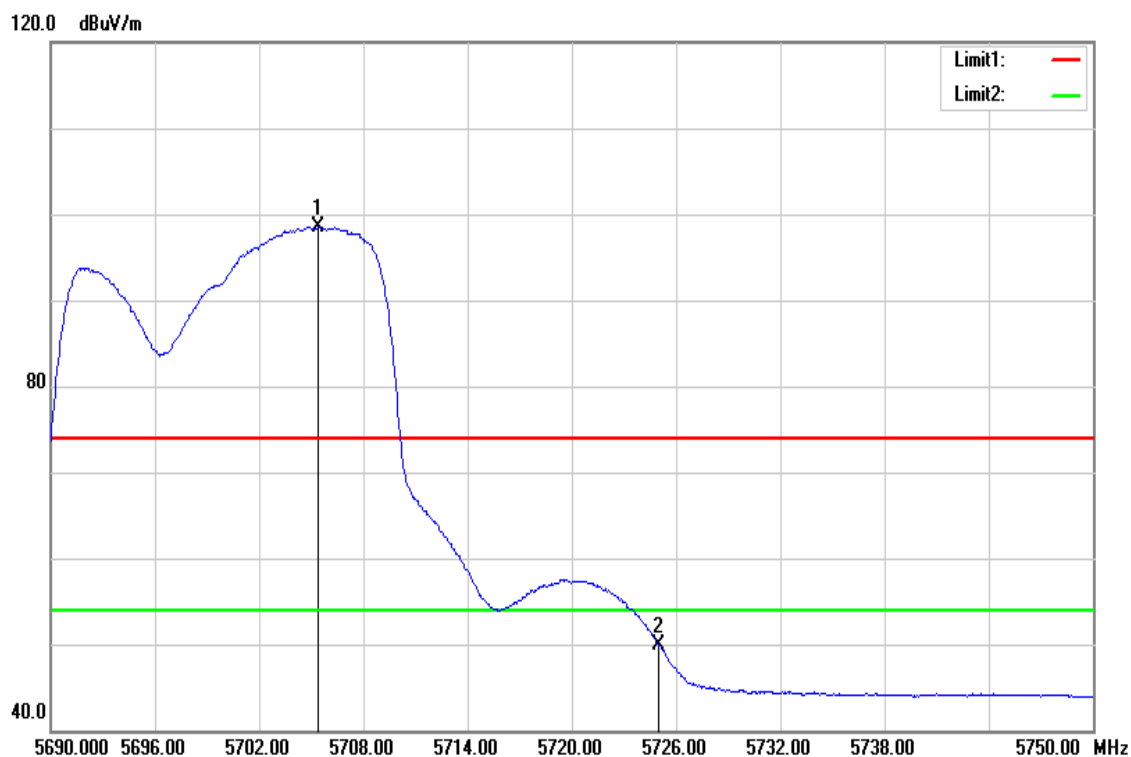
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5470.000        | 42.57          | 5.85                  | 48.42           | 54.00          | -5.58       | AVG    |
| 5506.720        | 94.69          | 5.95                  | 100.64          | -              | -           | AVG    |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5700 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak                           | Test Voltage  | 120Vac/60Hz      |



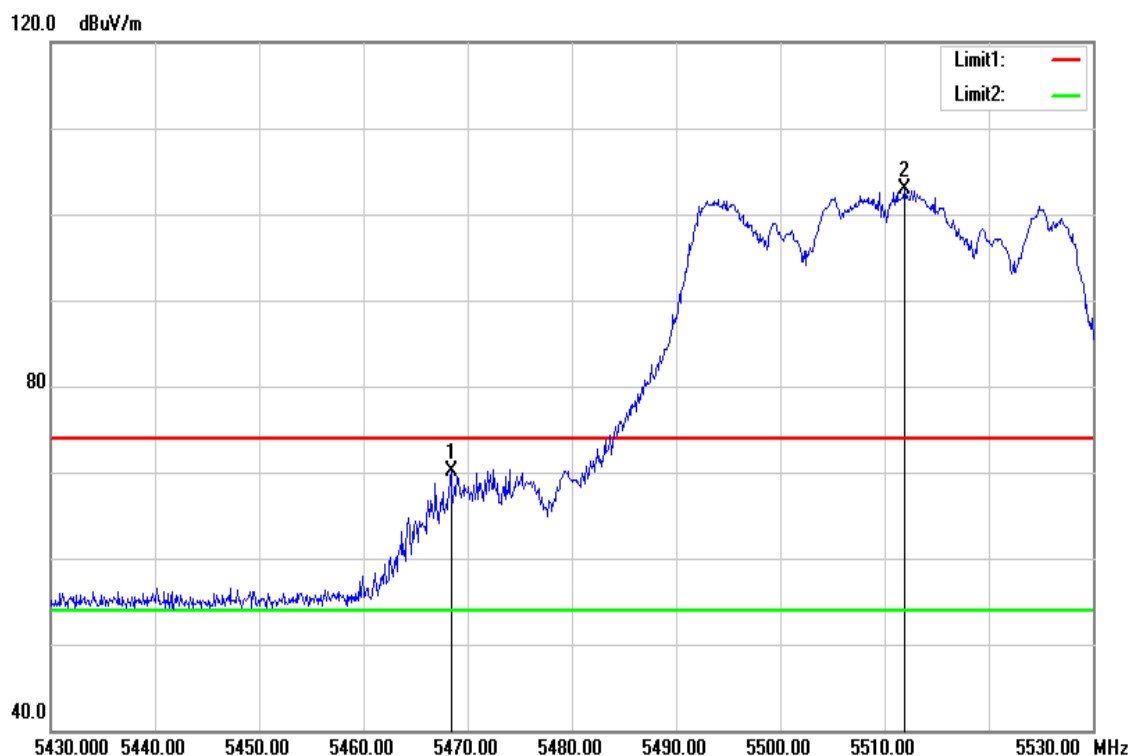
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5704.880        | 102.63         | 6.47                  | 109.10          | -              | -           | peak   |
| 5725.000        | 64.18          | 6.52                  | 70.70           | 74.00          | -3.30       | peak   |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5700 MHz | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Average                        | Test Voltage  | 120Vac/60Hz      |



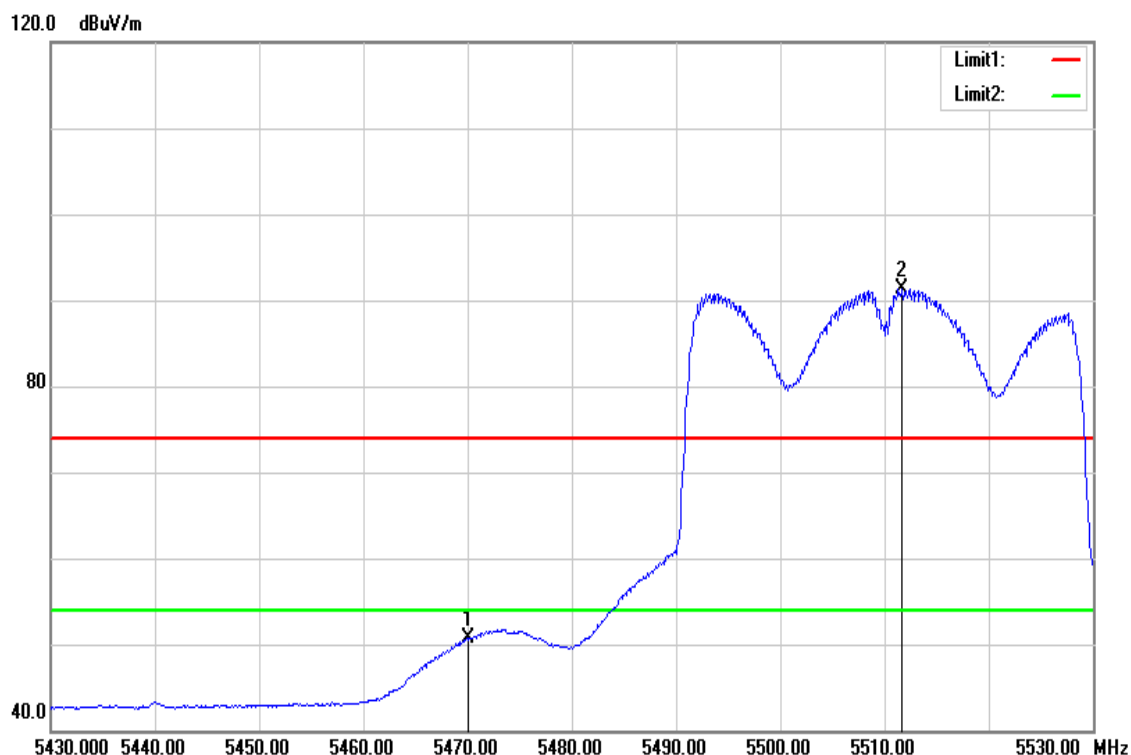
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5705.420        | 92.13          | 6.47                  | 98.60           | -              | -           | AVG    |
| 5725.000        | 43.43          | 6.52                  | 49.95           | 54.00          | -4.05       | AVG    |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5510 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak                           | Test Voltage  | 120Vac/60Hz      |



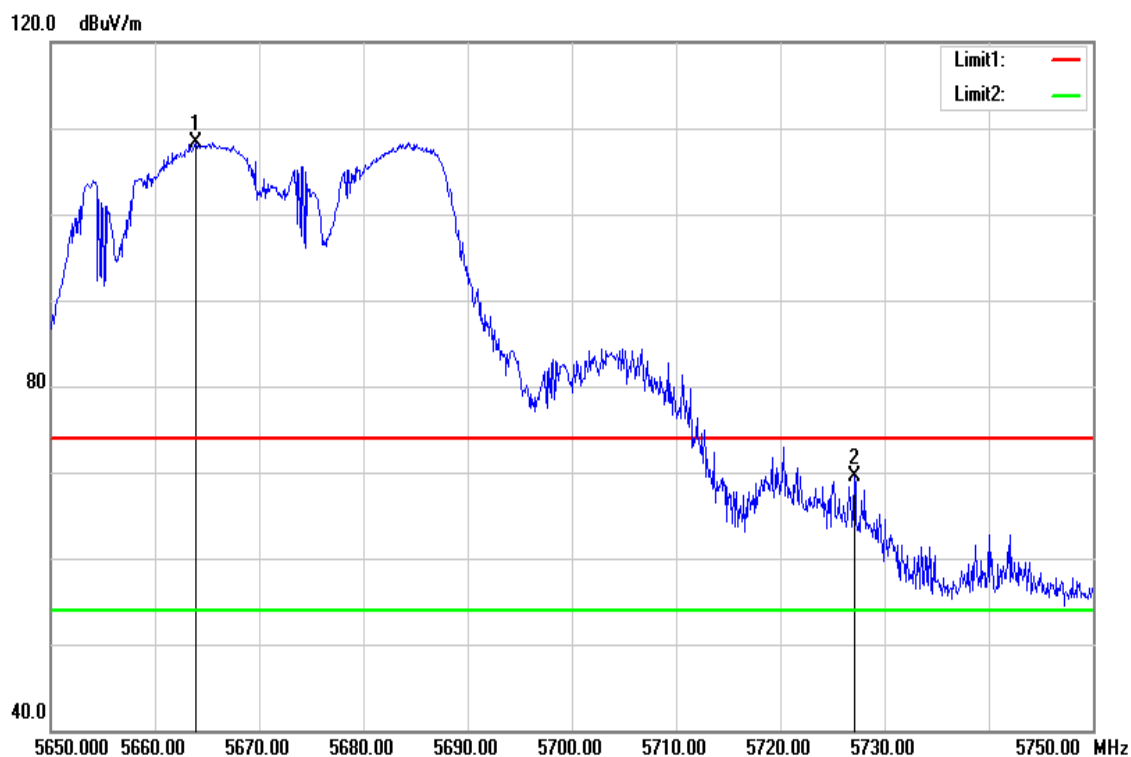
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5468.400        | 64.35          | 5.85                  | 70.20           | 74.00          | -3.80       | peak   |
| 5511.900        | 96.91          | 5.95                  | 102.86          | -              | -           | peak   |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5510 MHz | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Average                        | Test Voltage  | 120Vac/60Hz      |



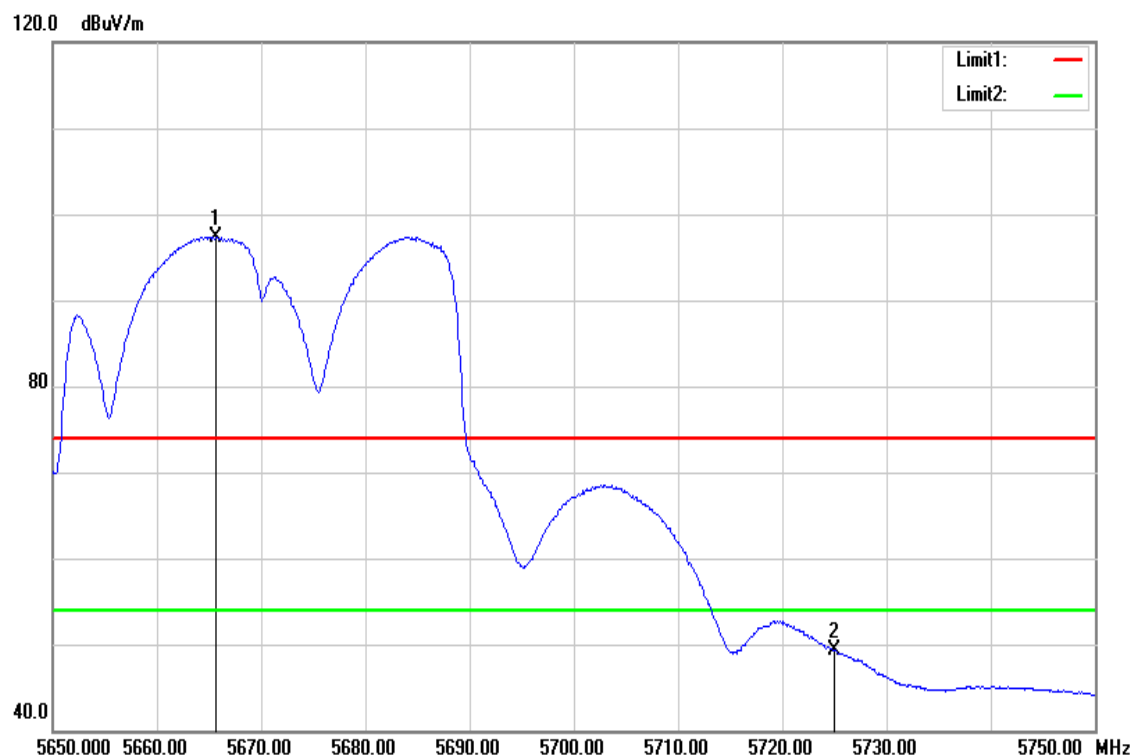
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5470.000        | 44.86          | 5.85                  | 50.71           | 54.00          | -3.29       | AVG    |
| 5511.700        | 85.36          | 5.95                  | 91.31           | -              | -           | AVG    |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5670 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak                           | Test Voltage  | 120Vac/60Hz      |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5663.900        | 101.97         | 6.36                  | 108.33          | -              | -           | peak   |
| 5727.100        | 62.97          | 6.52                  | 69.49           | 74.00          | -4.51       | peak   |

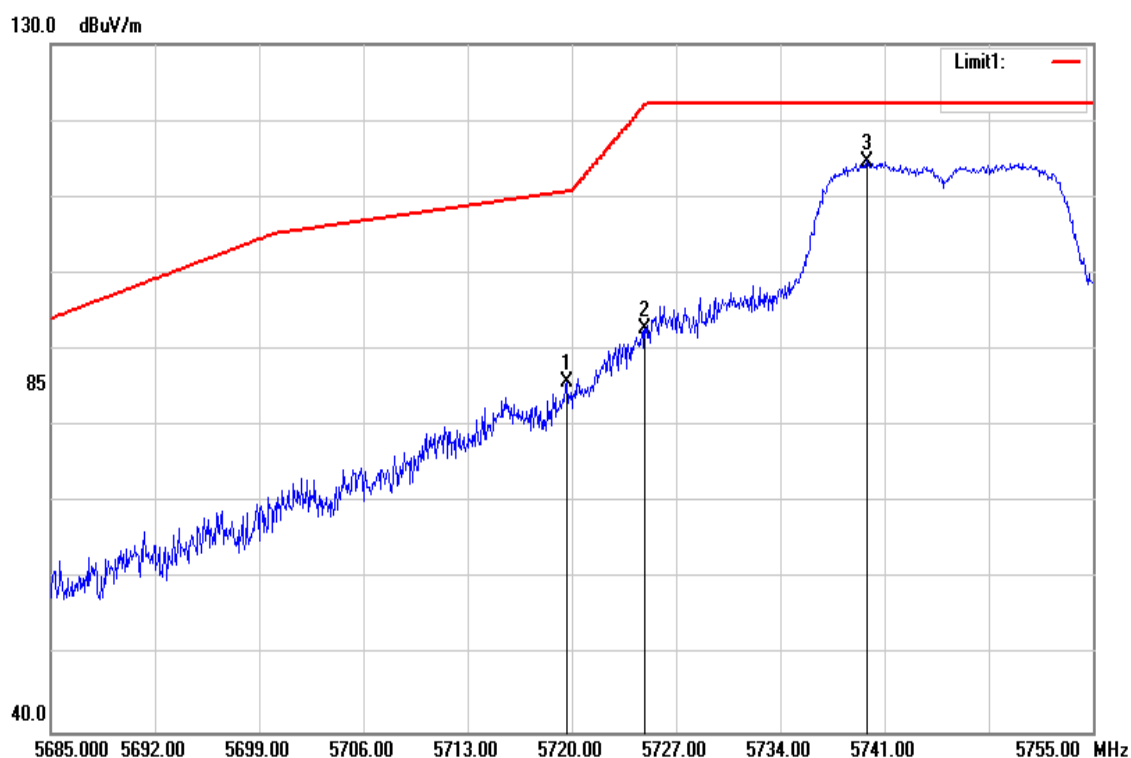
|           |                                   |               |                  |
|-----------|-----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz /<br>5670 MHz | Temperature   | 24(°C)/ 33%RH    |
| Test Item | Band Edge                         | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                        | Test Engineer | Jerry Chuang     |
| Detector  | Average                           | Test Voltage  | 120Vac/60Hz      |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5665.700        | 91.01          | 6.36                  | 97.37           | -              | -           | AVG    |
| 5725.000        | 42.76          | 6.52                  | 49.28           | 54.00          | -4.72       | AVG    |

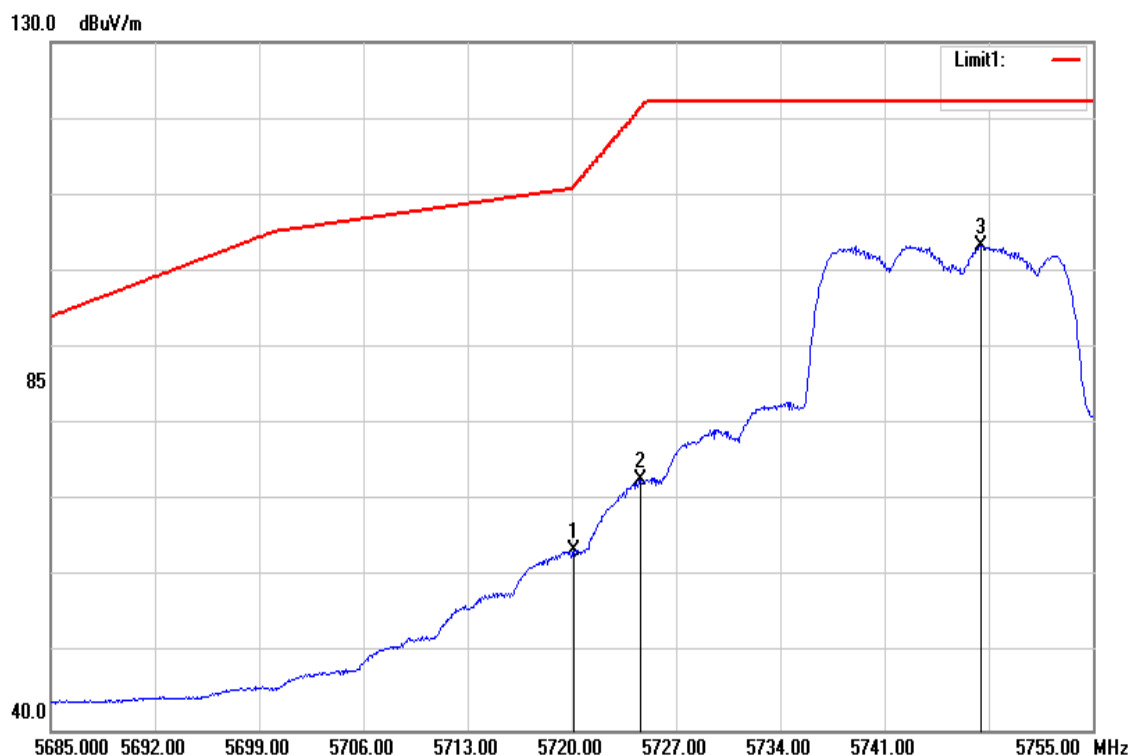
**Band Edge Test Data for UNII-3**

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge               | Test Date     | January 24, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak                    | Test Voltage  | 120Vac/60Hz      |



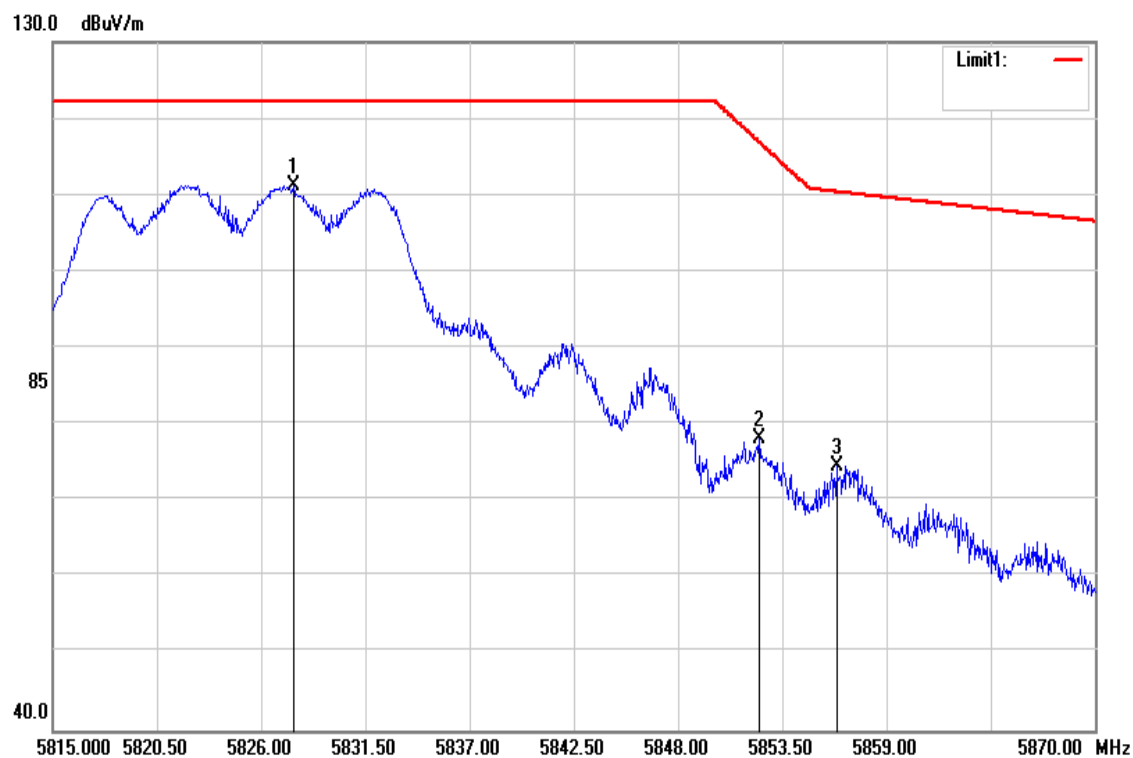
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5719.650        | 79.24          | 6.50                  | 85.74           | 110.70         | -24.96      | peak   |
| 5724.900        | 86.31          | 6.52                  | 92.83           | 121.97         | -29.14      | peak   |
| 5739.810        | 108.14         | 6.56                  | 114.70          | -              | -           | peak   |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5745 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge               | Test Date     | January 24, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Average                 | Test Voltage  | 120Vac/60Hz      |



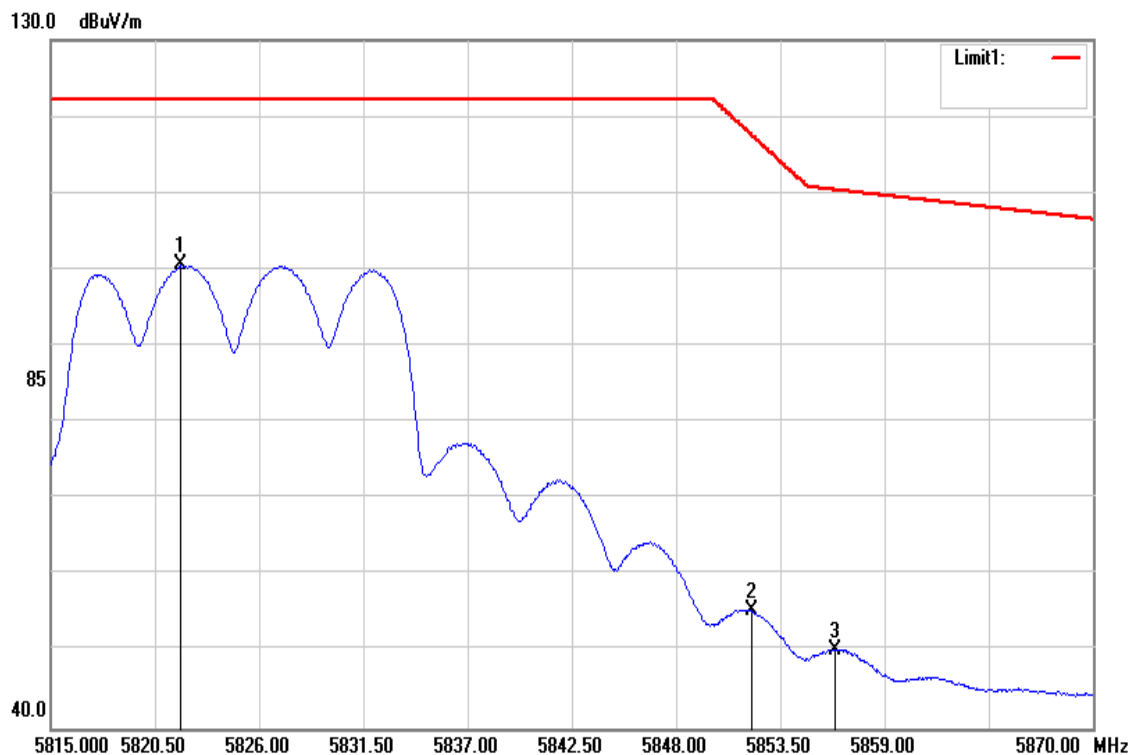
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5720.140        | 57.12          | 6.50                  | 63.62           | 111.12         | -47.50      | AVG    |
| 5724.620        | 66.18          | 6.52                  | 72.70           | 121.33         | -48.63      | AVG    |
| 5747.440        | 96.73          | 6.58                  | 103.31          | -              | -           | AVG    |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge               | Test Date     | January 24, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak                    | Test Voltage  | 120Vac/60Hz      |



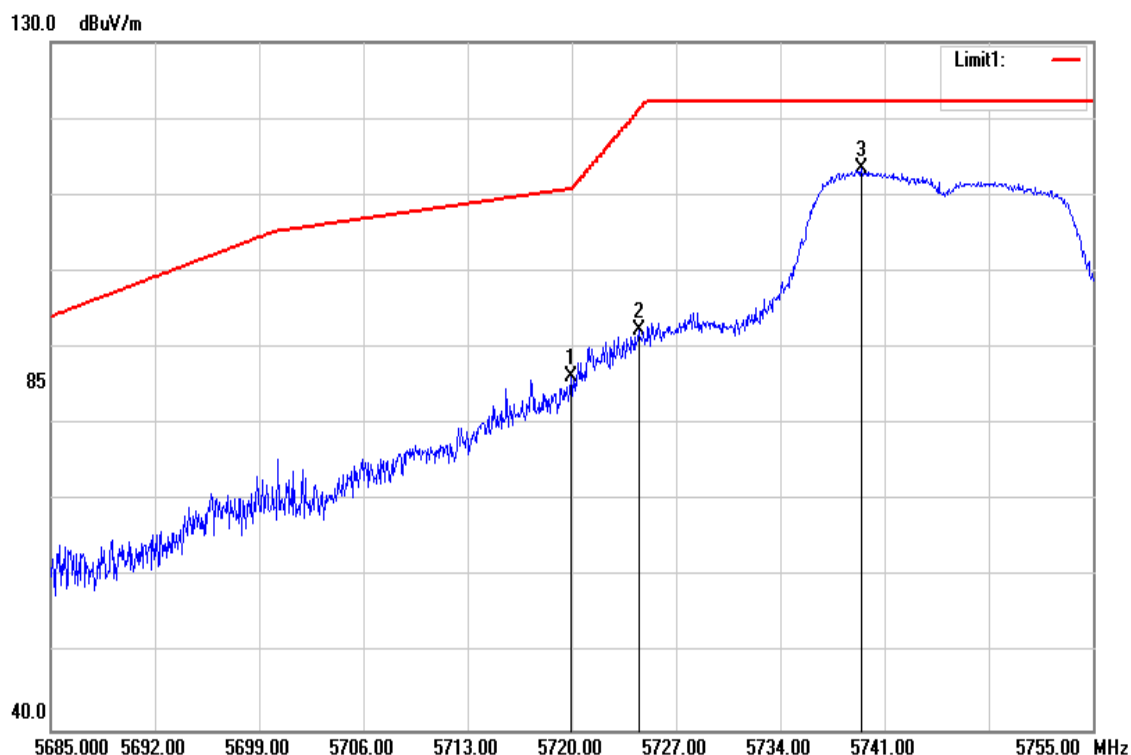
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5827.705        | 104.52         | 6.79                  | 111.31          | -              | -           | peak   |
| 5852.290        | 71.34          | 6.85                  | 78.19           | 116.98         | -38.79      | peak   |
| 5856.360        | 67.77          | 6.86                  | 74.63           | 110.42         | -35.79      | peak   |

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5825 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge               | Test Date     | January 24, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Average                 | Test Voltage  | 120Vac/60Hz      |



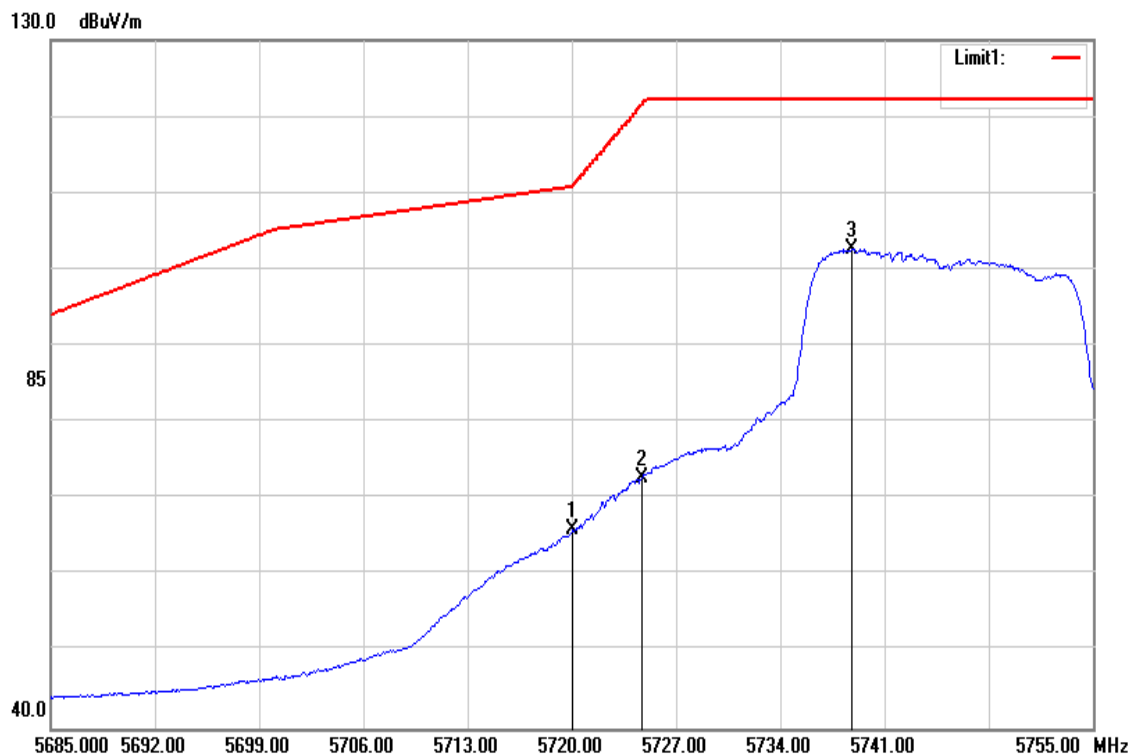
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5821.820        | 93.78          | 6.77                  | 100.55          | -              | -           | AVG    |
| 5851.960        | 48.67          | 6.85                  | 55.52           | 117.73         | -62.21      | AVG    |
| 5856.415        | 43.39          | 6.86                  | 50.25           | 110.40         | -60.15      | AVG    |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5745 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak                           | Test Voltage  | 120Vac/60Hz      |



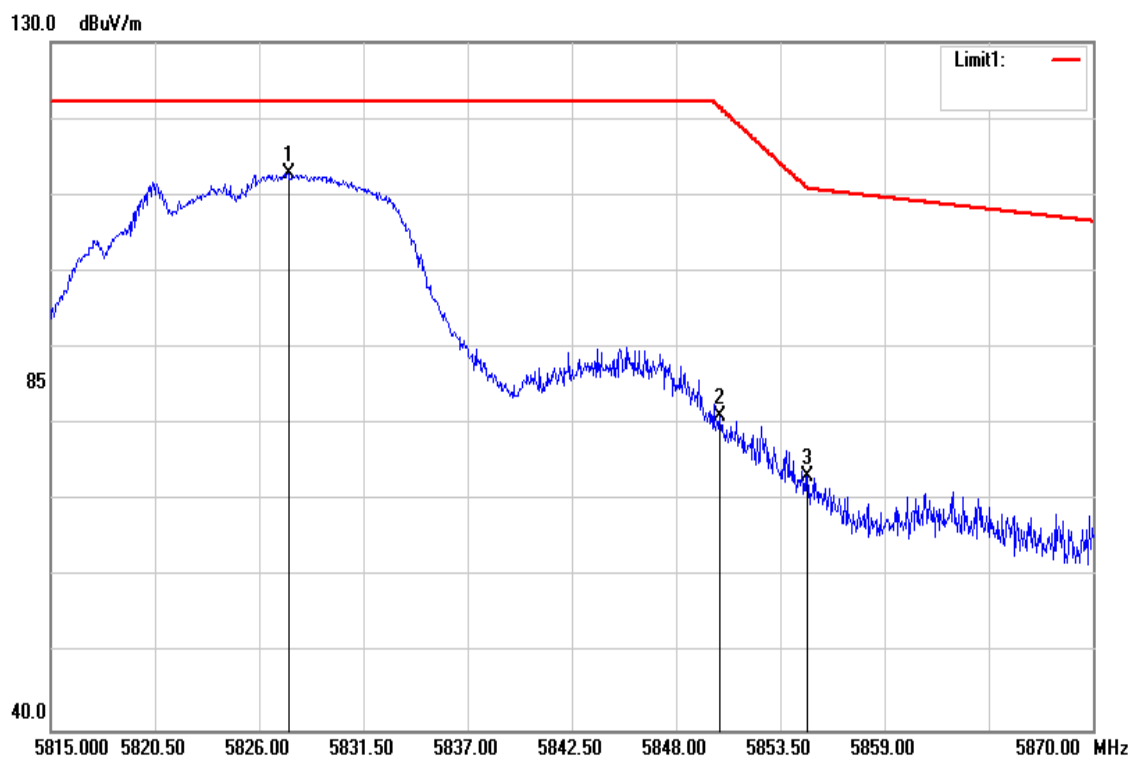
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5719.930        | 79.66          | 6.50                  | 86.16           | 110.78         | -24.62      | peak   |
| 5724.480        | 85.90          | 6.52                  | 92.42           | 121.01         | -28.59      | peak   |
| 5739.460        | 107.01         | 6.56                  | 113.57          | -              | -           | peak   |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5745 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Average                        | Test Voltage  | 120Vac/60Hz      |



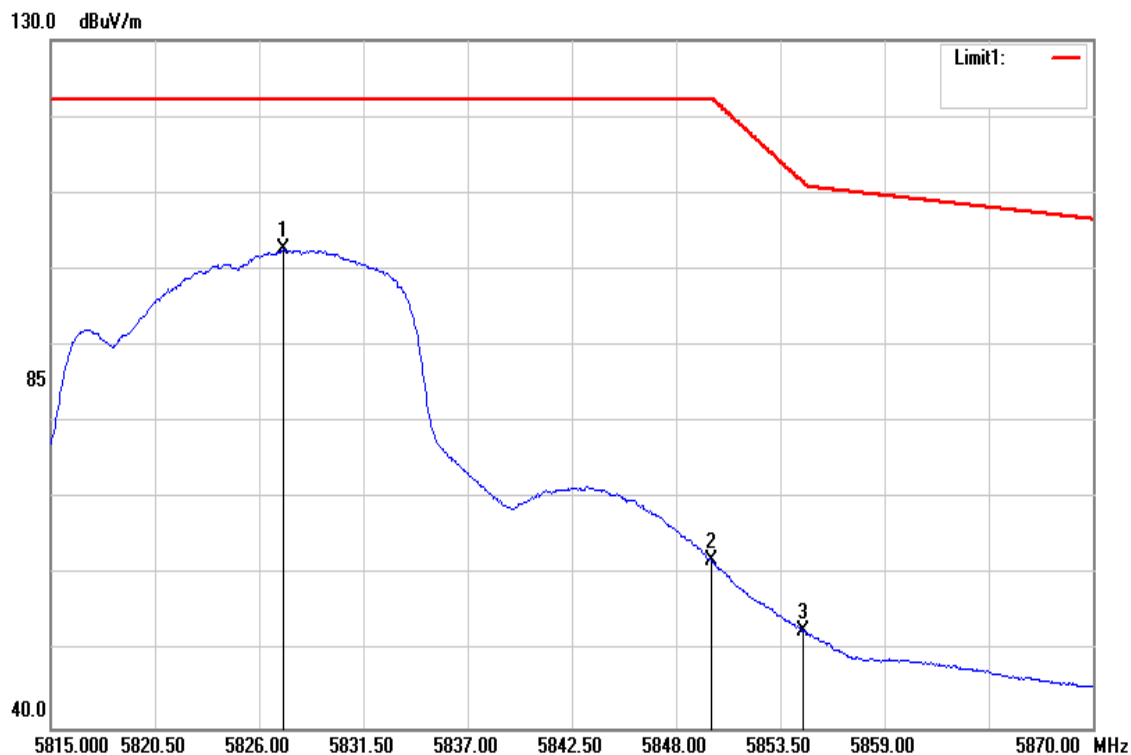
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5720.070        | 59.39          | 6.50                  | 65.89           | 110.96         | -45.07      | AVG    |
| 5724.690        | 66.19          | 6.52                  | 72.71           | 121.49         | -48.78      | AVG    |
| 5738.830        | 96.15          | 6.56                  | 102.71          | -              | -           | AVG    |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5825 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak                           | Test Voltage  | 120Vac/60Hz      |



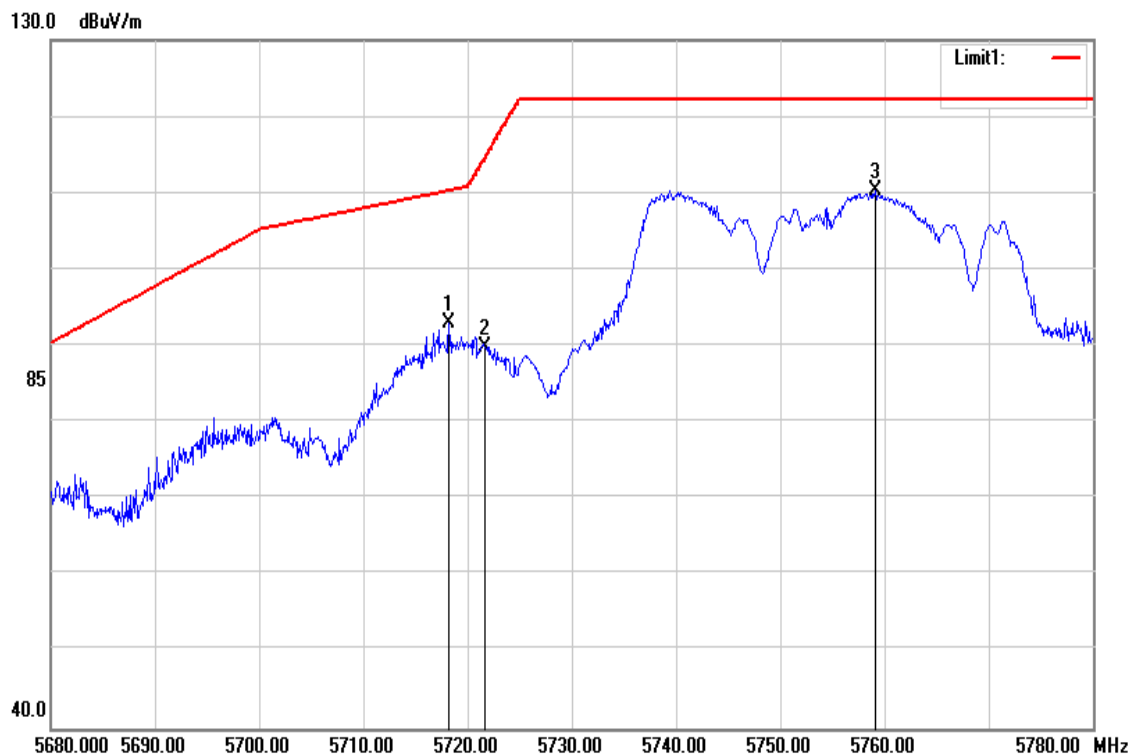
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5827.540        | 105.97         | 6.79                  | 112.76          | -              | -           | peak   |
| 5850.310        | 74.20          | 6.85                  | 81.05           | 121.49         | -40.44      | peak   |
| 5854.930        | 66.42          | 6.86                  | 73.28           | 110.96         | -37.68      | peak   |

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 20 MHz / 5825 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Average                        | Test Voltage  | 120Vac/60Hz      |



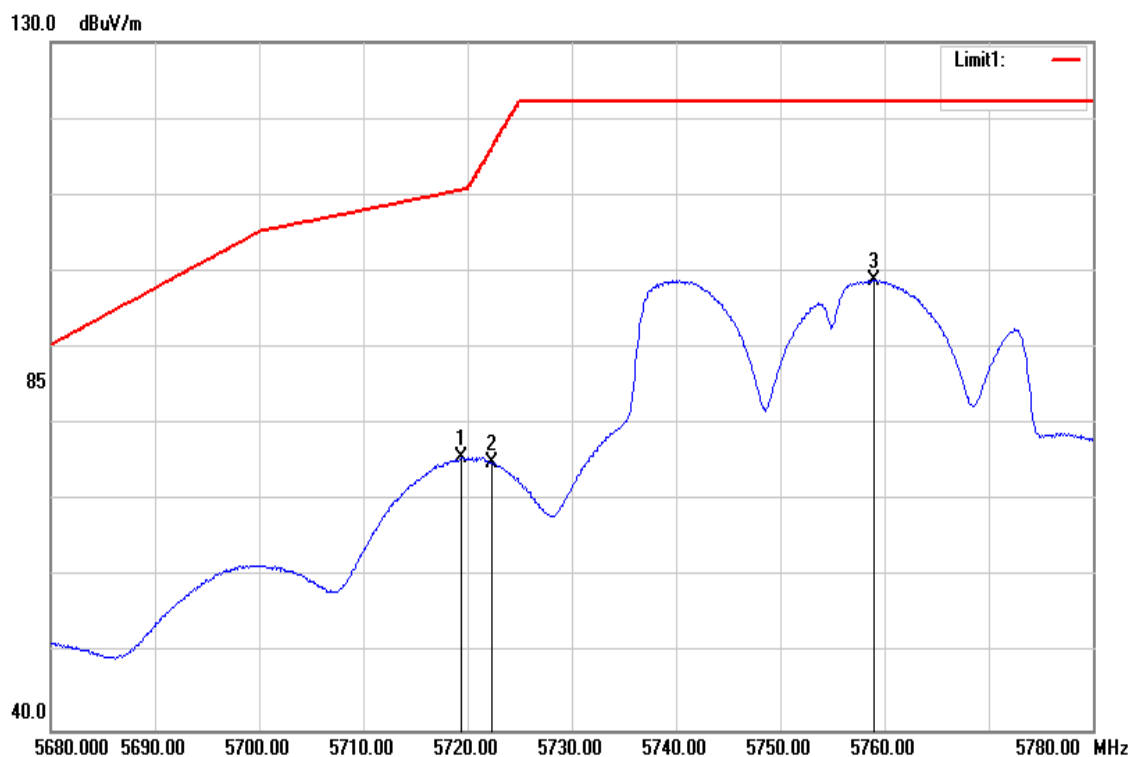
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5827.265        | 95.89          | 6.78                  | 102.67          | -              | -           | AVG    |
| 5849.870        | 55.08          | 6.85                  | 61.93           | 122.20         | -60.27      | AVG    |
| 5854.710        | 45.92          | 6.86                  | 52.78           | 111.46         | -58.68      | AVG    |

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5755 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                        | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chuang     |
| Detector  | Peak                             | Test Voltage  | 120Vac/60Hz      |



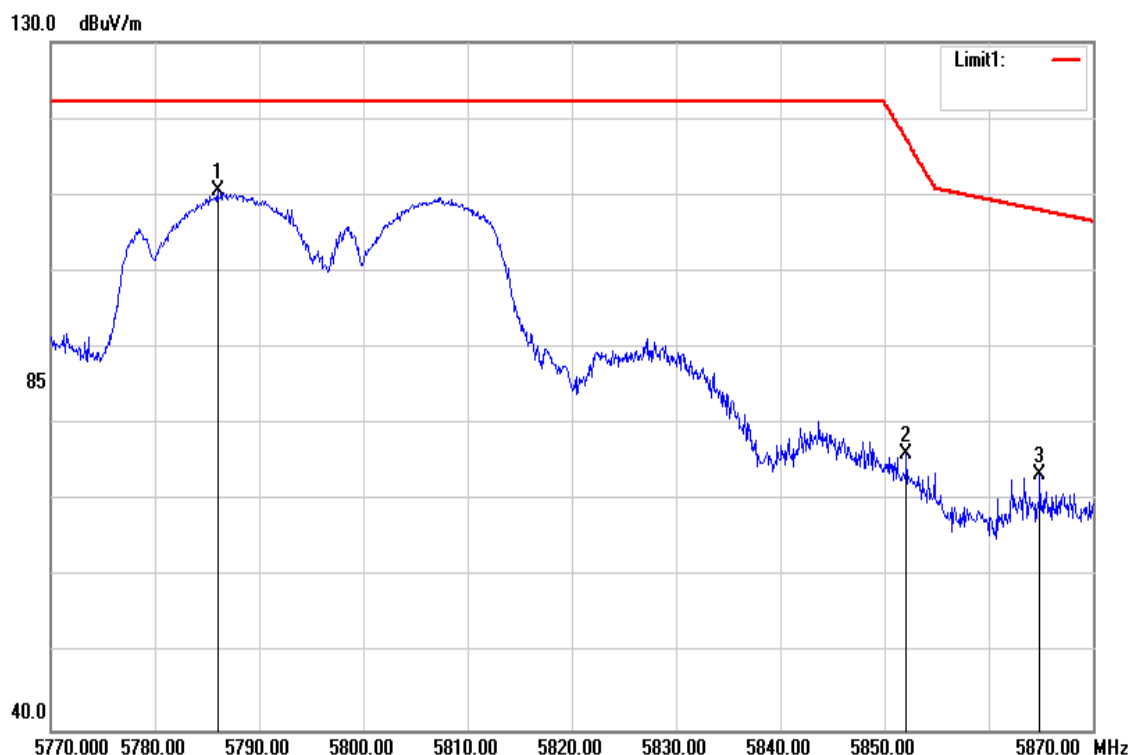
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5718.200        | 86.56          | 6.50                  | 93.06           | 110.30         | -17.24      | peak   |
| 5721.700        | 83.38          | 6.51                  | 89.89           | 114.68         | -24.79      | peak   |
| 5759.100        | 103.67         | 6.61                  | 110.28          | -              | -           | peak   |

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5755 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                        | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chuang     |
| Detector  | Average                          | Test Voltage  | 120Vac/60Hz      |



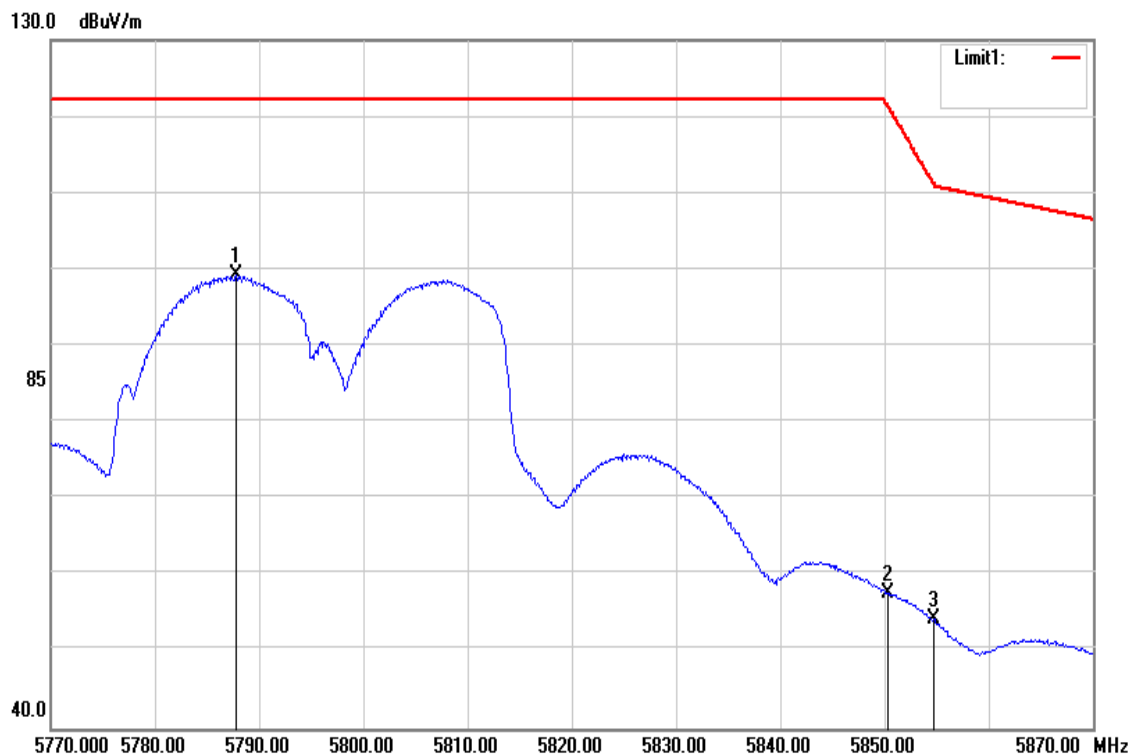
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5719.400        | 69.18          | 6.50                  | 75.68           | 110.63         | -34.95      | AVG    |
| 5722.300        | 68.52          | 6.51                  | 75.03           | 116.04         | -41.01      | AVG    |
| 5759.000        | 92.31          | 6.61                  | 98.92           | -              | -           | AVG    |

|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5795 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                        | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chuang     |
| Detector  | Peak                             | Test Voltage  | 120Vac/60Hz      |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5786.000        | 103.97         | 6.67                  | 110.64          | -              | -           | peak   |
| 5852.100        | 69.35          | 6.85                  | 76.20           | 117.41         | -41.21      | peak   |
| 5864.900        | 66.61          | 6.89                  | 73.50           | 108.03         | -34.53      | peak   |

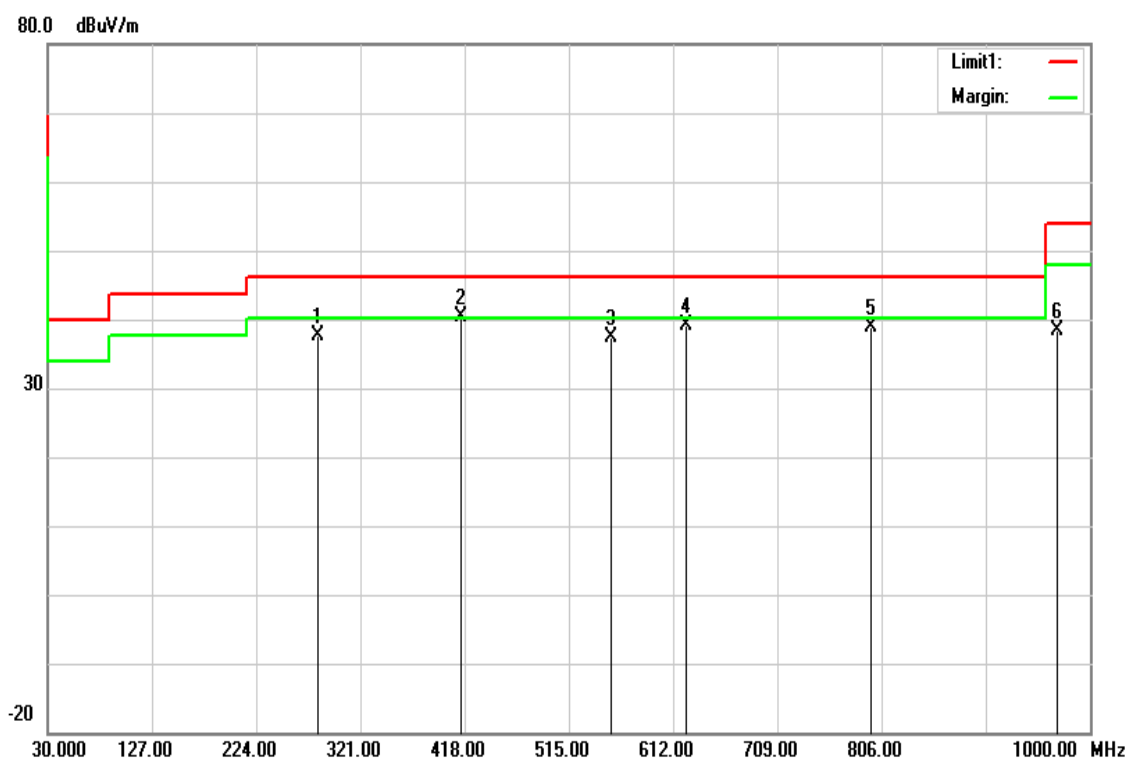
|           |                                  |               |                  |
|-----------|----------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz/<br>5795 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Band Edge                        | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                       | Test Engineer | Jerry Chuang     |
| Detector  | Average                          | Test Voltage  | 120Vac/60Hz      |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 5787.800        | 92.53          | 6.69                  | 99.22           | -              | -           | AVG    |
| 5850.300        | 50.92          | 6.85                  | 57.77           | 121.52         | -63.75      | AVG    |
| 5854.700        | 47.41          | 6.86                  | 54.27           | 111.48         | -57.21      | AVG    |

**Below 1G Test Data**

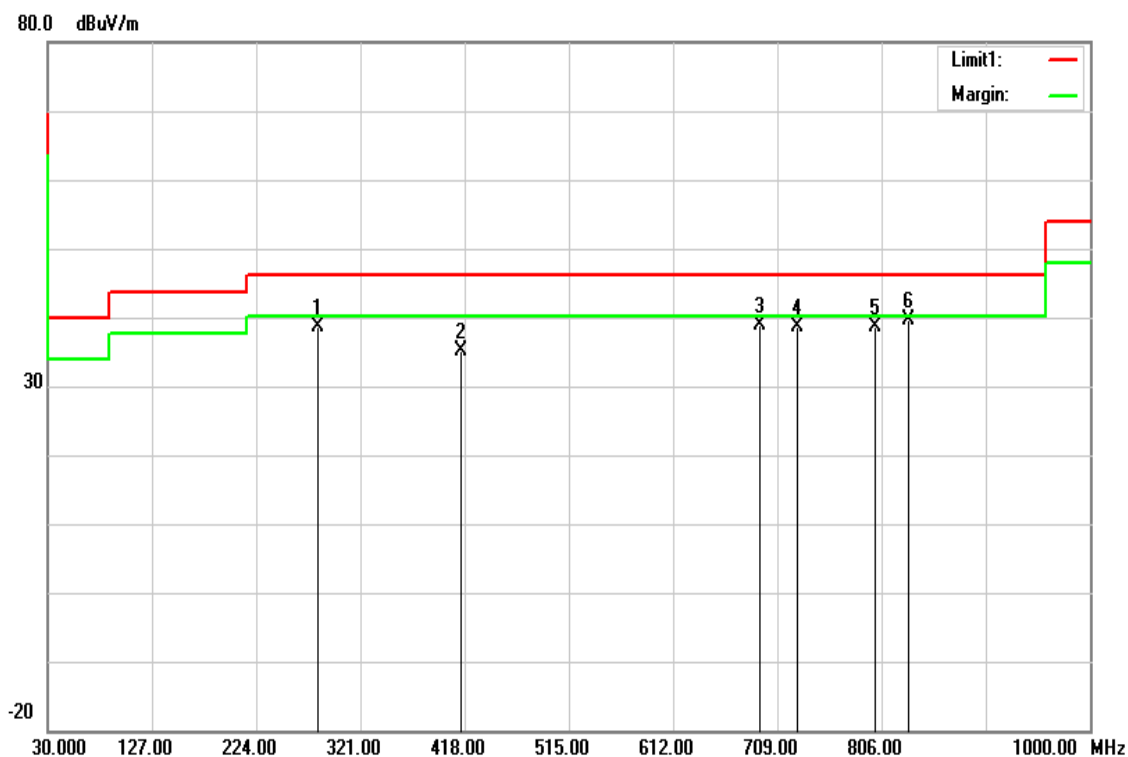
|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5610 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | 30MHz-1GHz                     | Test Date     | January 24, 2018 |
| Polarize  | Vertical                       | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Quasi-peak            | Test Voltage  | 120Vac/60Hz      |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 281.2300        | 51.86          | -14.25                | 37.61           | 46.02          | -8.41       | peak   |
| 415.0900        | 51.15          | -10.85                | 40.30           | 46.02          | -5.72       | peak   |
| 553.8000        | 44.79          | -7.51                 | 37.28           | 46.02          | -8.74       | peak   |
| 623.6400        | 45.48          | -6.27                 | 39.21           | 46.02          | -6.81       | peak   |
| 796.3000        | 42.34          | -3.44                 | 38.90           | 46.02          | -7.12       | peak   |
| 968.9600        | 39.46          | -0.99                 | 38.47           | 54.00          | -15.53      | peak   |

**Note:** No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

|           |                                |               |                  |
|-----------|--------------------------------|---------------|------------------|
| Test Mode | IEEE 802.11n 40 MHz / 5550 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | 30MHz-1GHz                     | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Quasi-peak            | Test Voltage  | 120Vac/60Hz      |

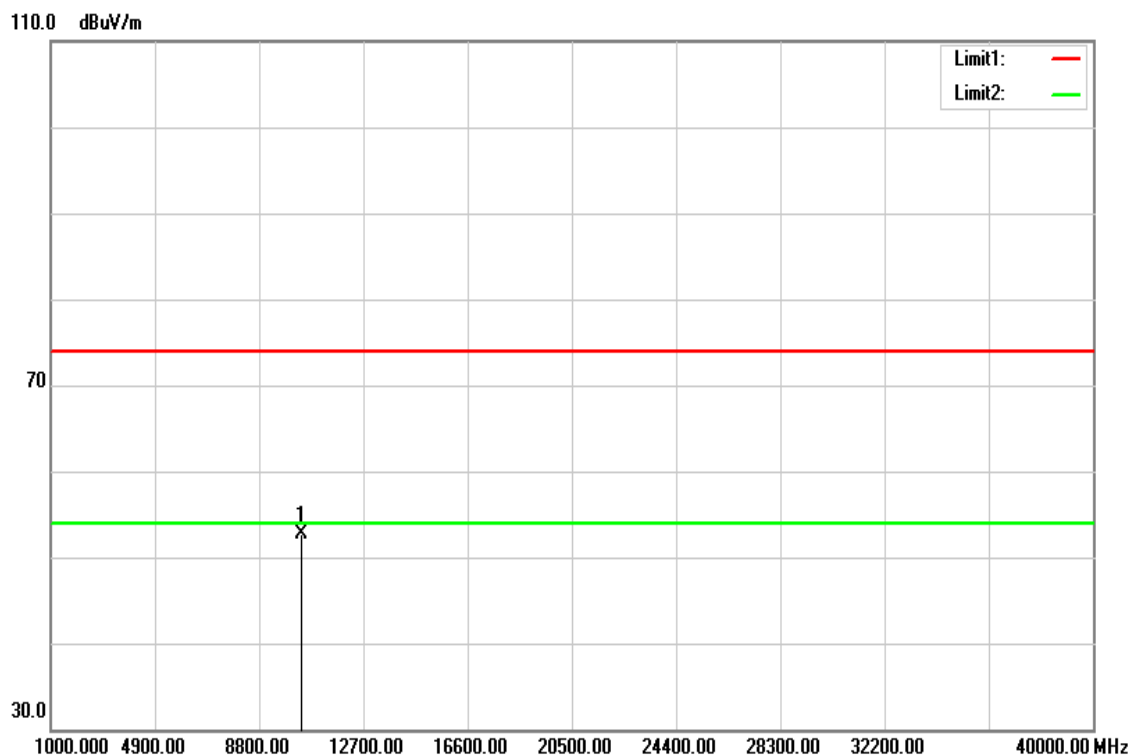


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 281.2300        | 52.86          | -14.25                | 38.61           | 46.02          | -7.41       | QP     |
| 415.0900        | 45.96          | -10.85                | 35.11           | 46.02          | -10.91      | peak   |
| 692.5100        | 43.90          | -4.98                 | 38.92           | 46.02          | -7.10       | peak   |
| 727.4300        | 43.26          | -4.56                 | 38.70           | 46.02          | -7.32       | peak   |
| 800.1800        | 41.98          | -3.38                 | 38.60           | 46.02          | -7.42       | peak   |
| 831.2200        | 42.62          | -3.06                 | 39.56           | 46.02          | -6.46       | QP     |

**Note:** No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

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

|           |                        |               |                  |
|-----------|------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5180MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Harmonic               | Test Date     | January 24, 2018 |
| Polarize  | Vertical               | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average       | Test Voltage  | 120Vac/60Hz      |

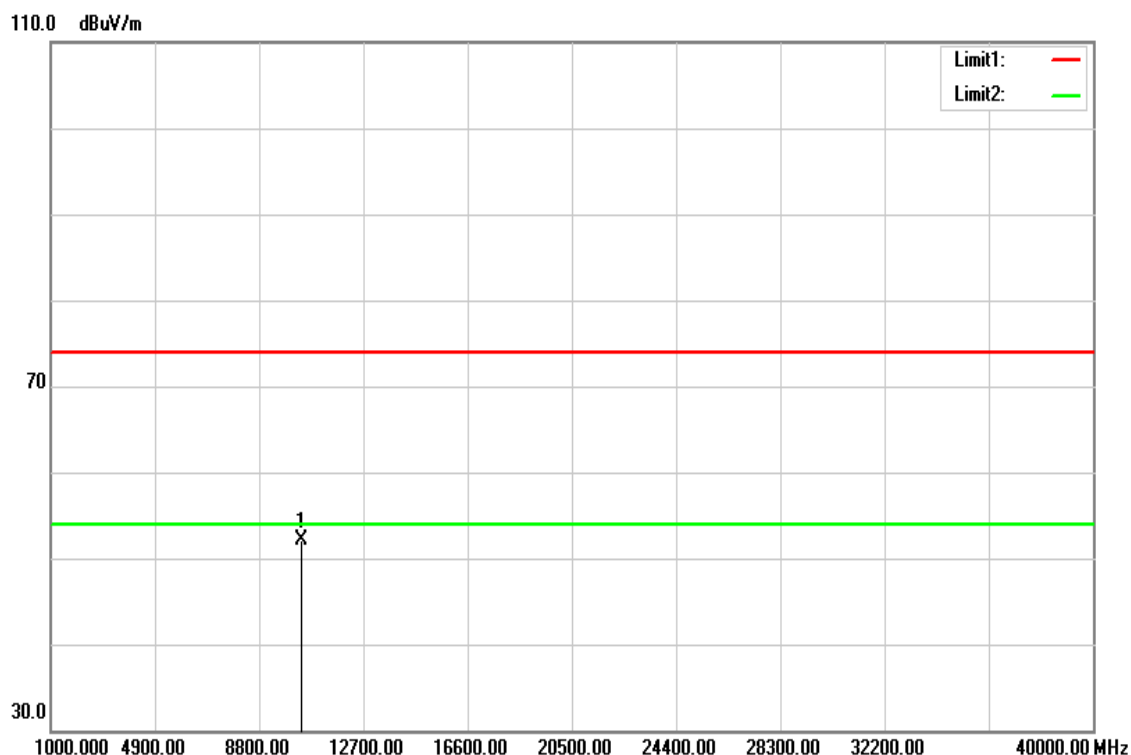


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10360.000       | 38.21          | 14.45                 | 52.66           | 74.00          | -21.34      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic               | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average       | Test Voltage  | 120Vac/60Hz      |

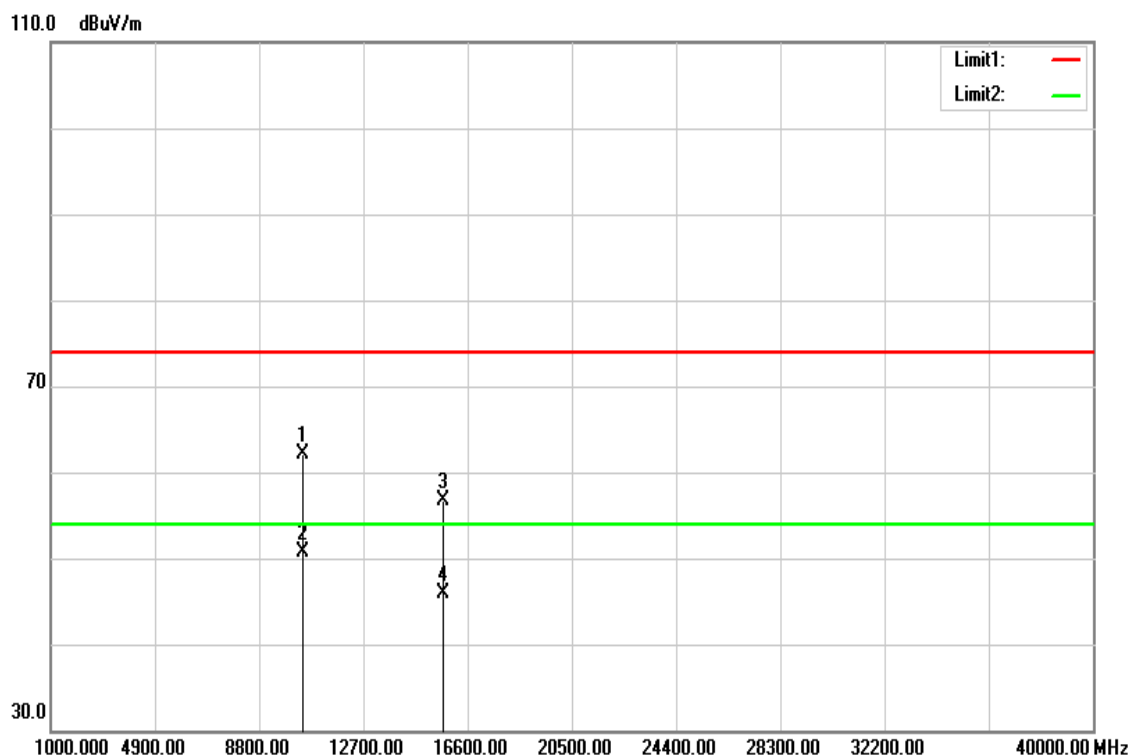


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10360.000       | 37.61          | 14.45                 | 52.06           | 74.00          | -21.94      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Horizontal              | Test Date     | January 24, 2018 |
| Polarize  | Vertical                | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

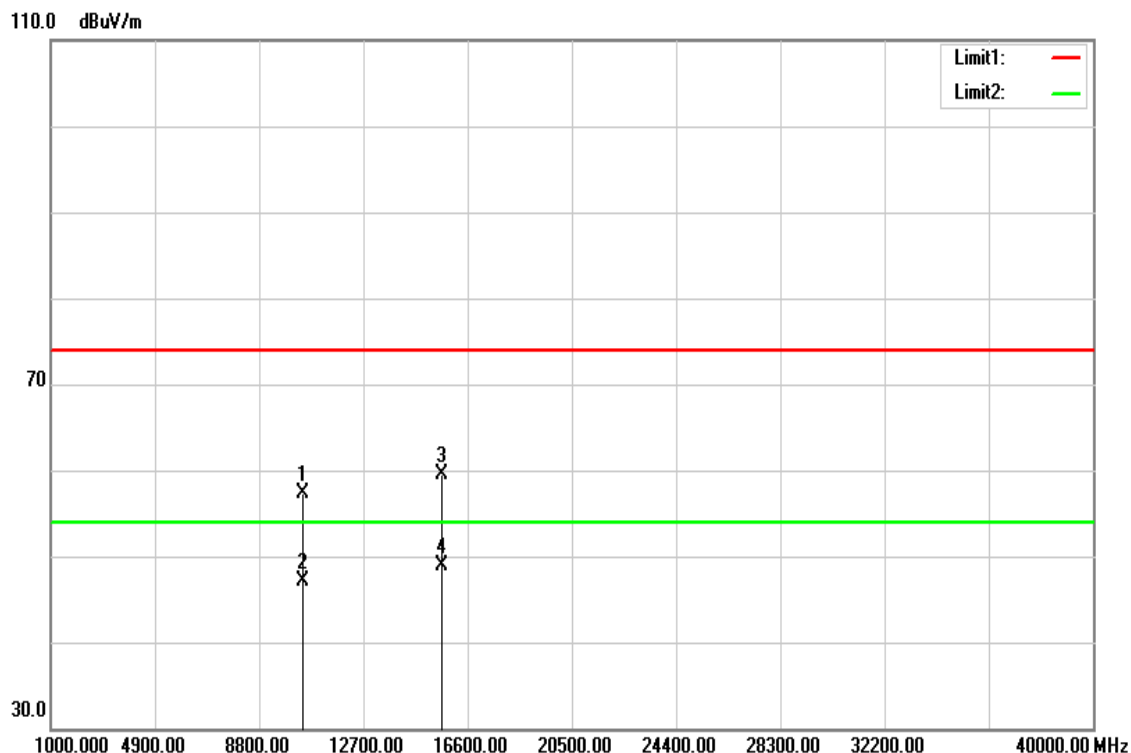


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10440.000       | 47.31          | 14.71                 | 62.02           | 74.00          | -11.98      | peak   |
| 10440.000       | 35.90          | 14.71                 | 50.61           | 54.00          | -3.39       | AVG    |
| 15670.000       | 37.61          | 19.06                 | 56.67           | 74.00          | -17.33      | peak   |
| 15670.000       | 26.83          | 19.06                 | 45.89           | 54.00          | -8.11       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 24, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

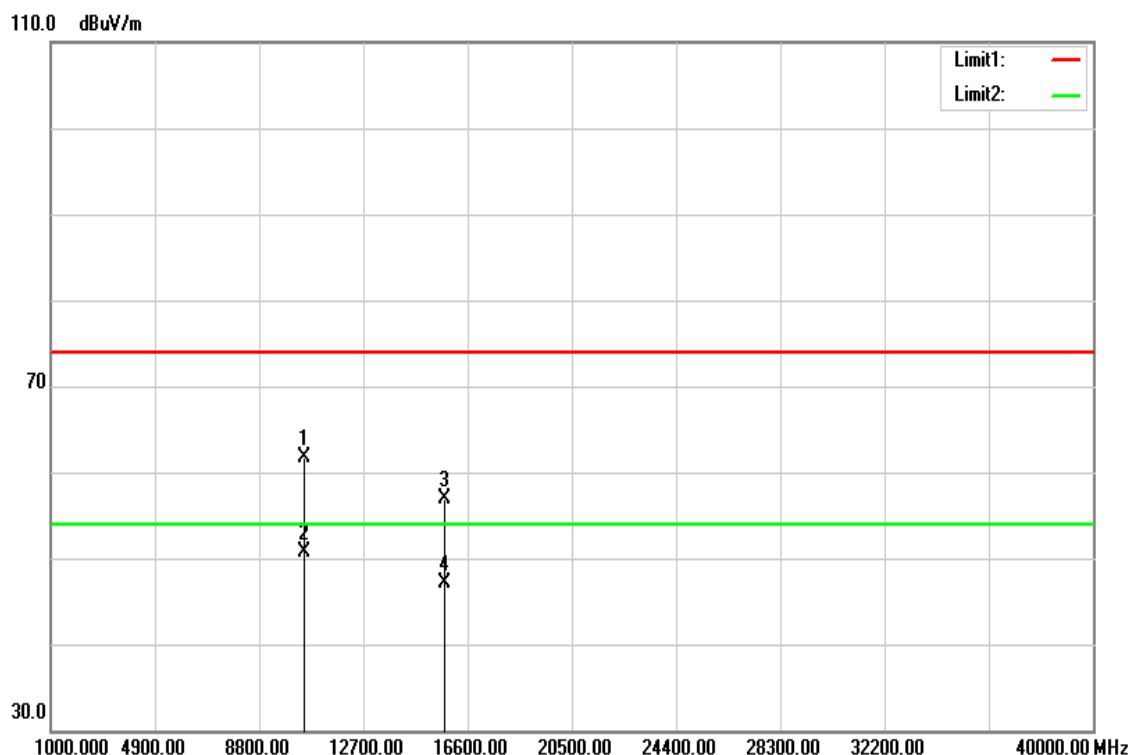


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10440.000       | 42.59          | 14.71                 | 57.30           | 74.00          | -16.70      | peak   |
| 10440.000       | 32.31          | 14.71                 | 47.02           | 54.00          | -6.98       | AVG    |
| 15660.000       | 40.42          | 19.03                 | 59.45           | 74.00          | -14.55      | peak   |
| 15660.000       | 29.84          | 19.03                 | 48.87           | 54.00          | -5.13       | AVG    |
| N/A             |                |                       |                 |                |             |        |

**Remark:**

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic               | Test Date     | January 24, 2018 |
| Polarize  | Vertical               | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average       | Test Voltage  | 120Vac/60Hz      |

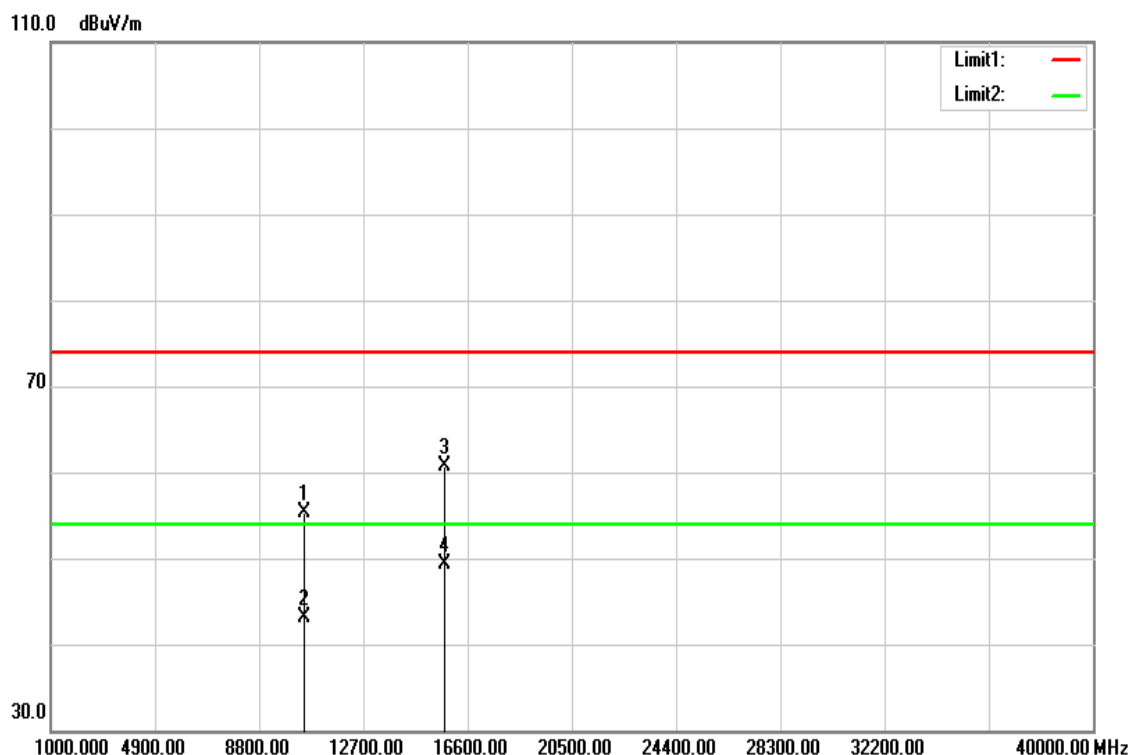


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10480.000       | 46.88          | 14.84                 | 61.72           | 74.00          | -12.28      | peak   |
| 10480.000       | 35.80          | 14.84                 | 50.64           | 54.00          | -3.36       | AVG    |
| 15720.000       | 37.76          | 19.20                 | 56.96           | 74.00          | -17.04      | peak   |
| 15720.000       | 27.91          | 19.20                 | 47.11           | 54.00          | -6.89       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic               | Test Date     | January 24, 2018 |
| Polarize  | Horizontal             | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average       | Test Voltage  | 120Vac/60Hz      |

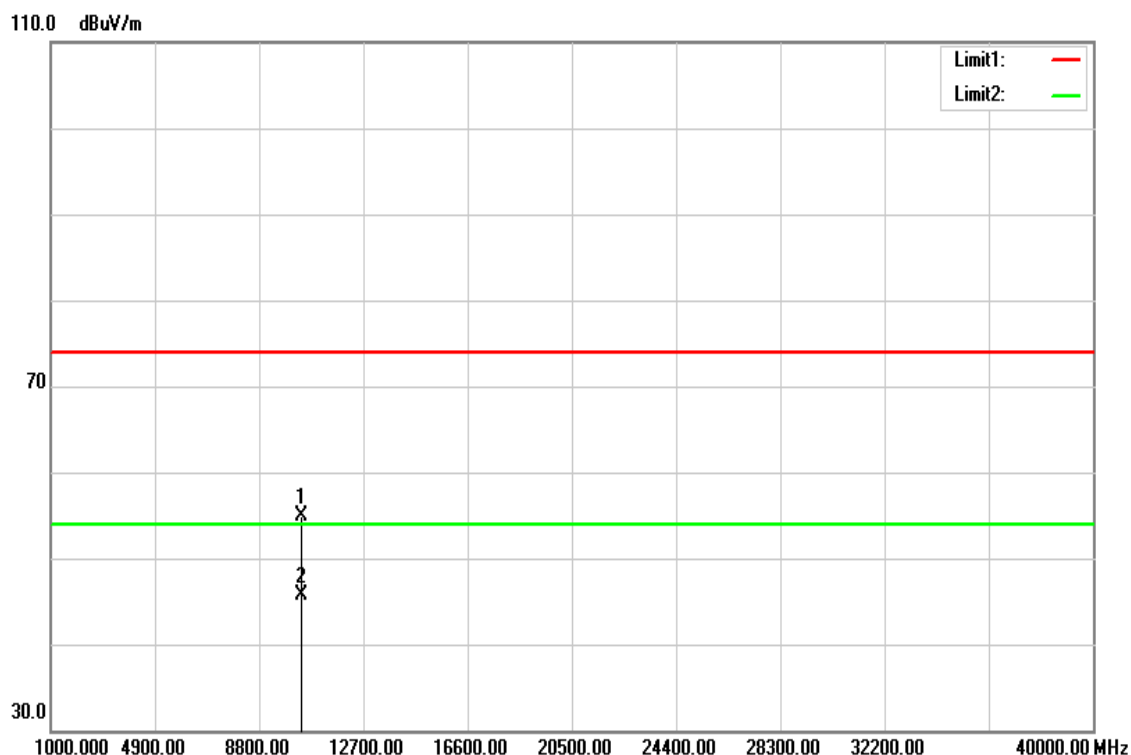


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10480.000       | 40.46          | 14.84                 | 55.30           | 74.00          | -18.70      | peak   |
| 10480.000       | 28.34          | 14.84                 | 43.18           | 54.00          | -10.82      | AVG    |
| 15720.000       | 41.43          | 19.20                 | 60.63           | 74.00          | -13.37      | peak   |
| 15720.000       | 30.07          | 19.20                 | 49.27           | 54.00          | -4.73       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                      | Test Date     | January 24, 2018 |
| Polarize  | Vertical                      | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average              | Test Voltage  | 120Vac/60Hz      |

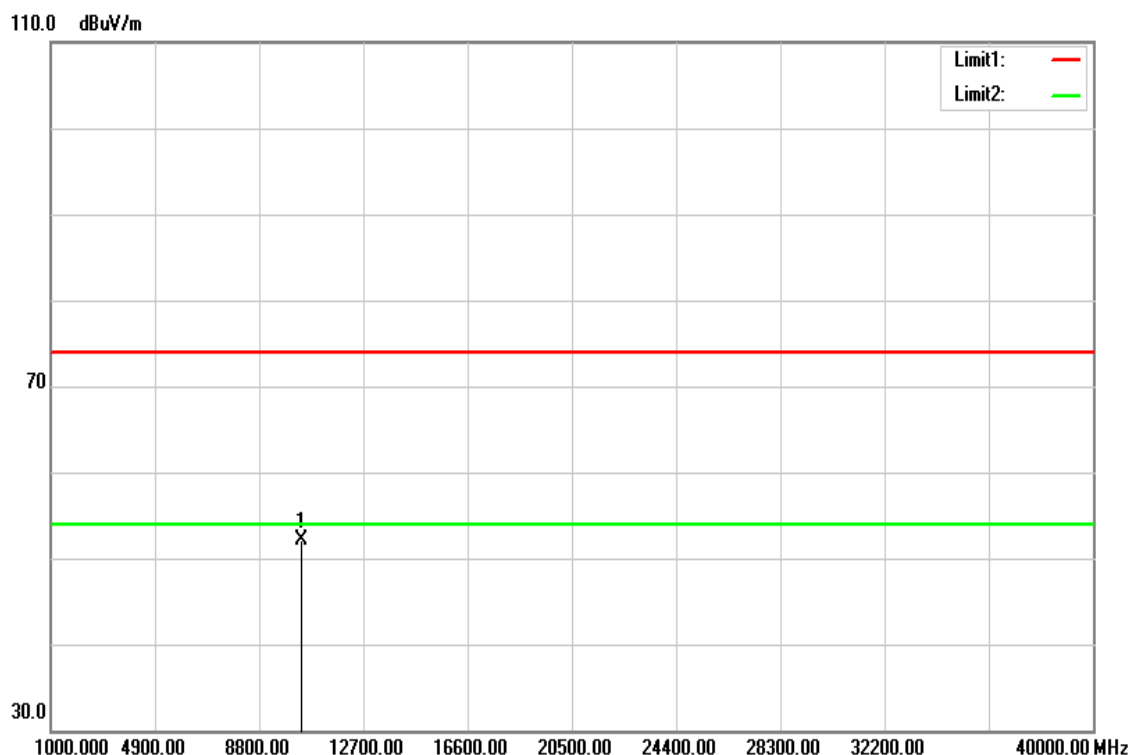


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10360.000       | 40.54          | 14.45                 | 54.99           | 74.00          | -19.01      | peak   |
| 10360.000       | 31.22          | 14.45                 | 45.67           | 54.00          | -8.33       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                        | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                      | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average                | Test Voltage  | 120Vac/60Hz      |

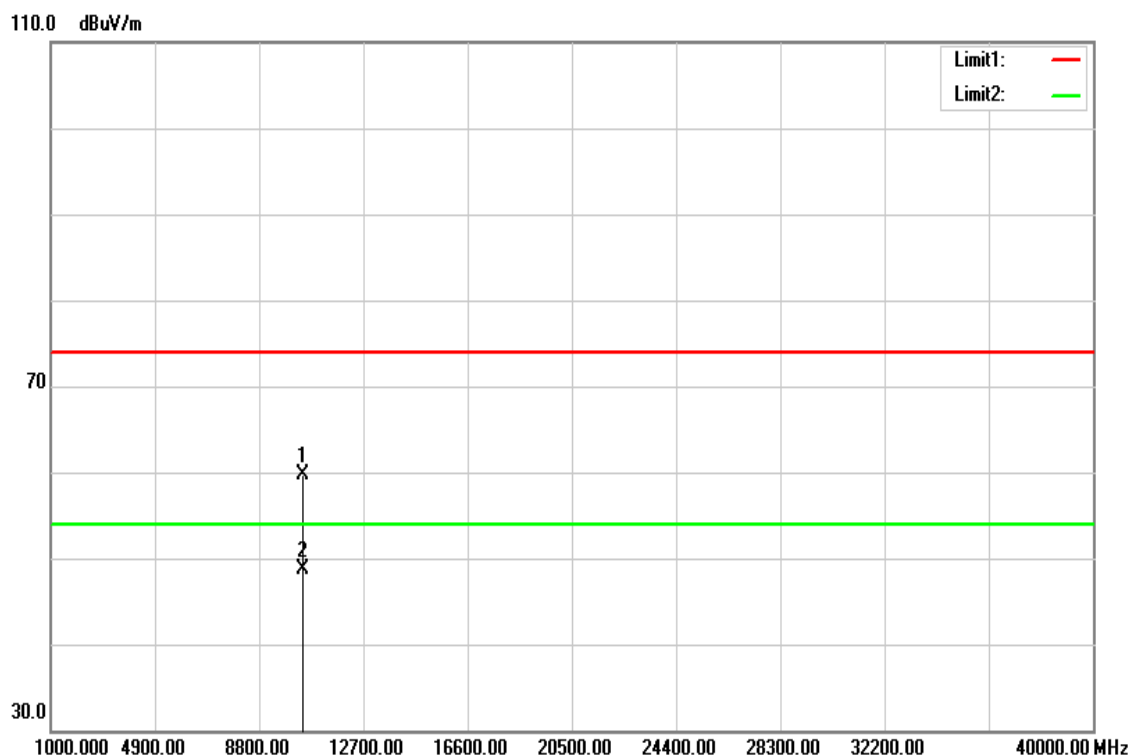


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10360.000       | 37.64          | 14.45                 | 52.09           | 74.00          | -21.91      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                      | Test Date     | January 24, 2018 |
| Polarize  | Vertical                      | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average              | Test Voltage  | 120Vac/60Hz      |

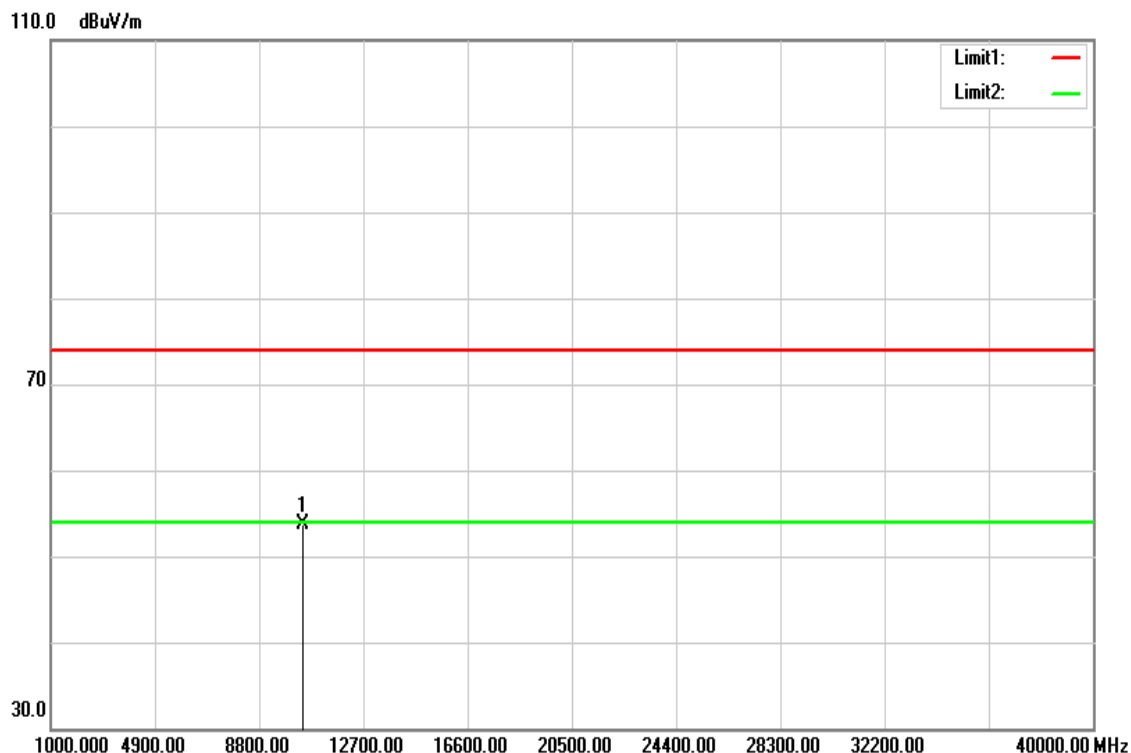


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10440.000       | 45.05          | 14.71                 | 59.76           | 74.00          | -14.24      | peak   |
| 10440.000       | 34.02          | 14.71                 | 48.73           | 54.00          | -5.27       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average              | Test Voltage  | 120Vac/60Hz      |

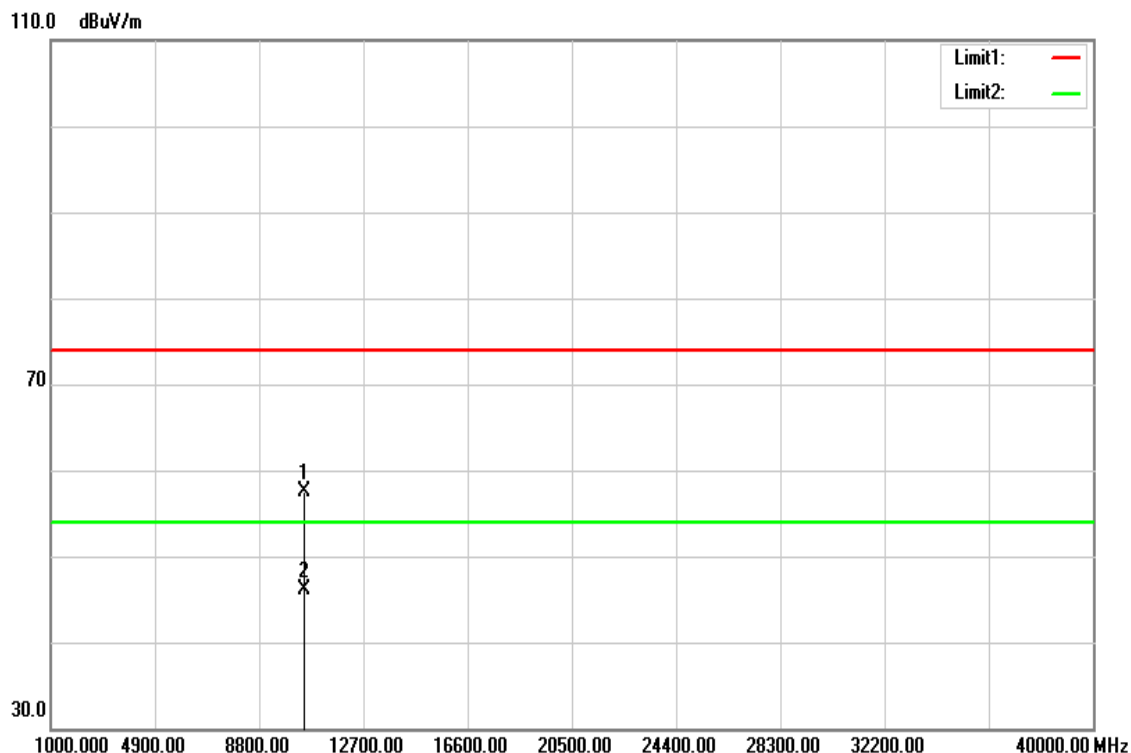


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10440.000       | 38.92          | 14.71                 | 53.63           | 74.00          | -20.37      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                      | Test Date     | January 24, 2018 |
| Polarize  | Vertical                      | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average              | Test Voltage  | 120Vac/60Hz      |

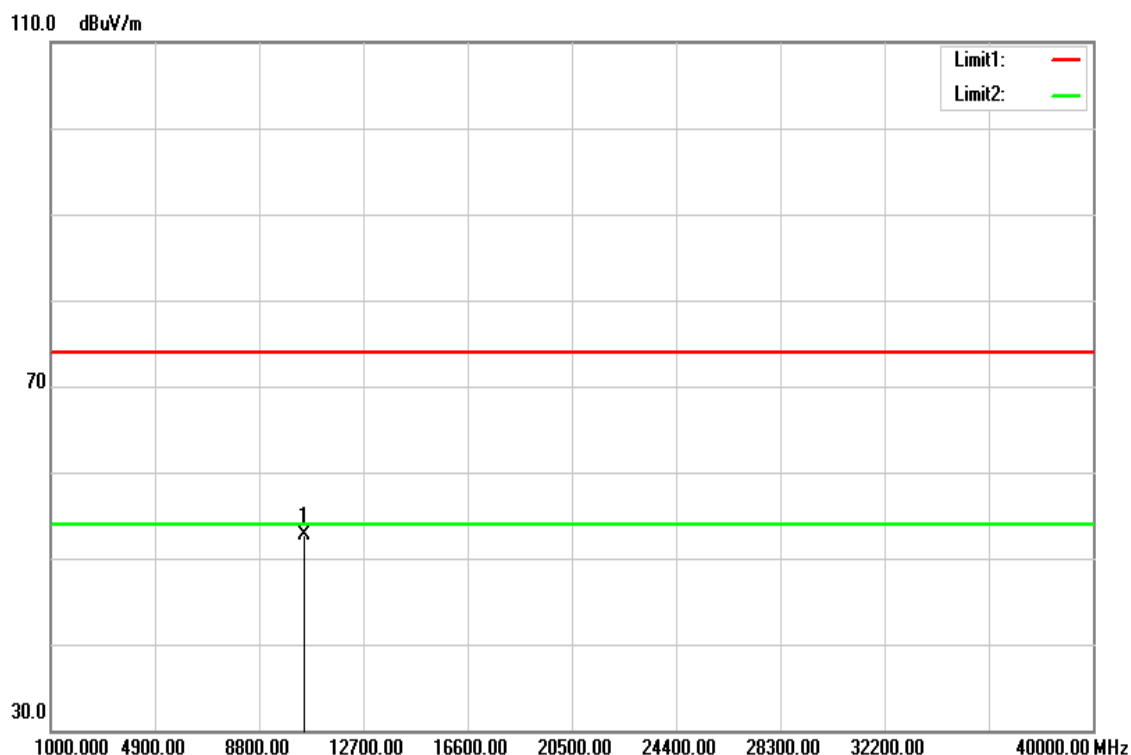


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10490.000       | 42.65          | 14.88                 | 57.53           | 74.00          | -16.47      | peak   |
| 10490.000       | 31.29          | 14.88                 | 46.17           | 54.00          | -7.83       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average              | Test Voltage  | 120Vac/60Hz      |

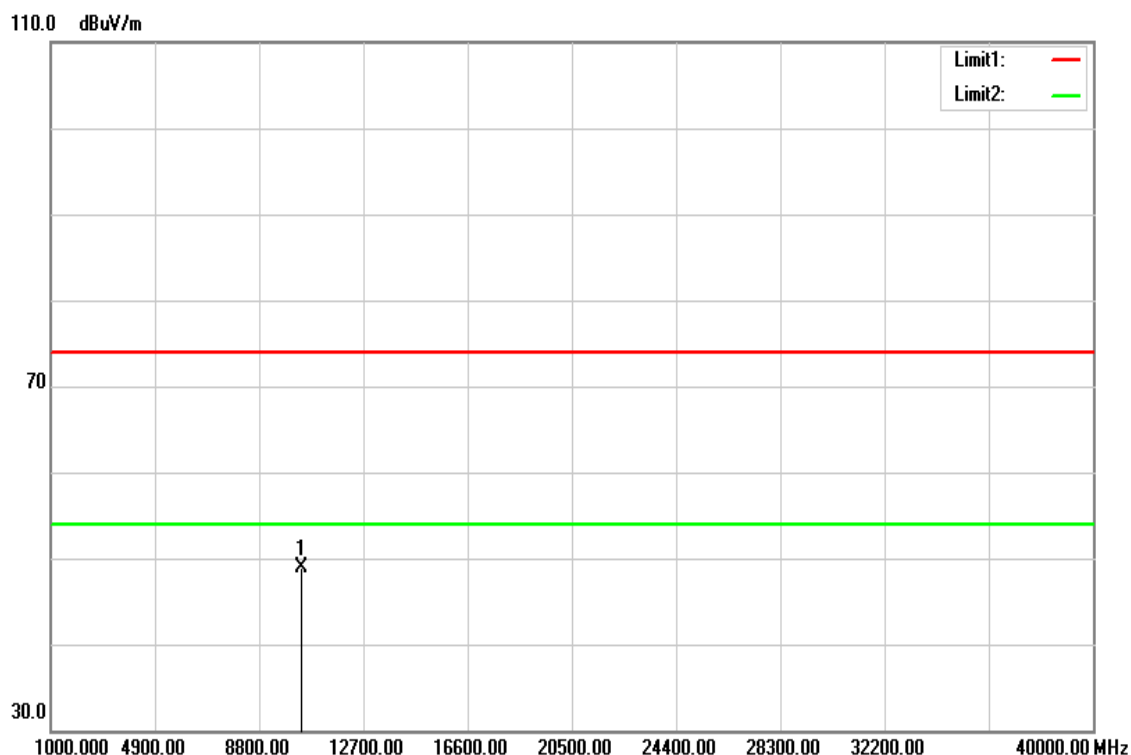


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10480.000       | 37.79          | 14.84                 | 52.63           | 74.00          | -21.37      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                      | Test Date     | January 24, 2018 |
| Polarize  | Vertical                      | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average              | Test Voltage  | 120Vac/60Hz      |

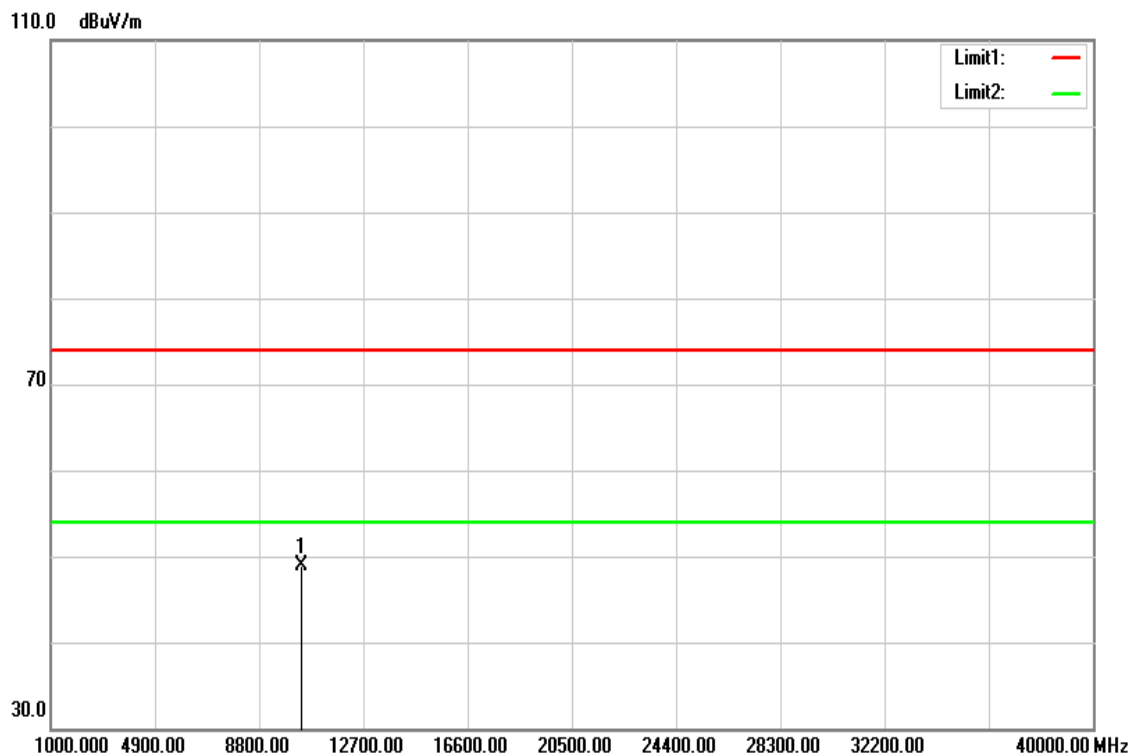


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10380.000       | 34.44          | 14.50                 | 48.94           | 74.00          | -25.06      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average              | Test Voltage  | 120Vac/60Hz      |

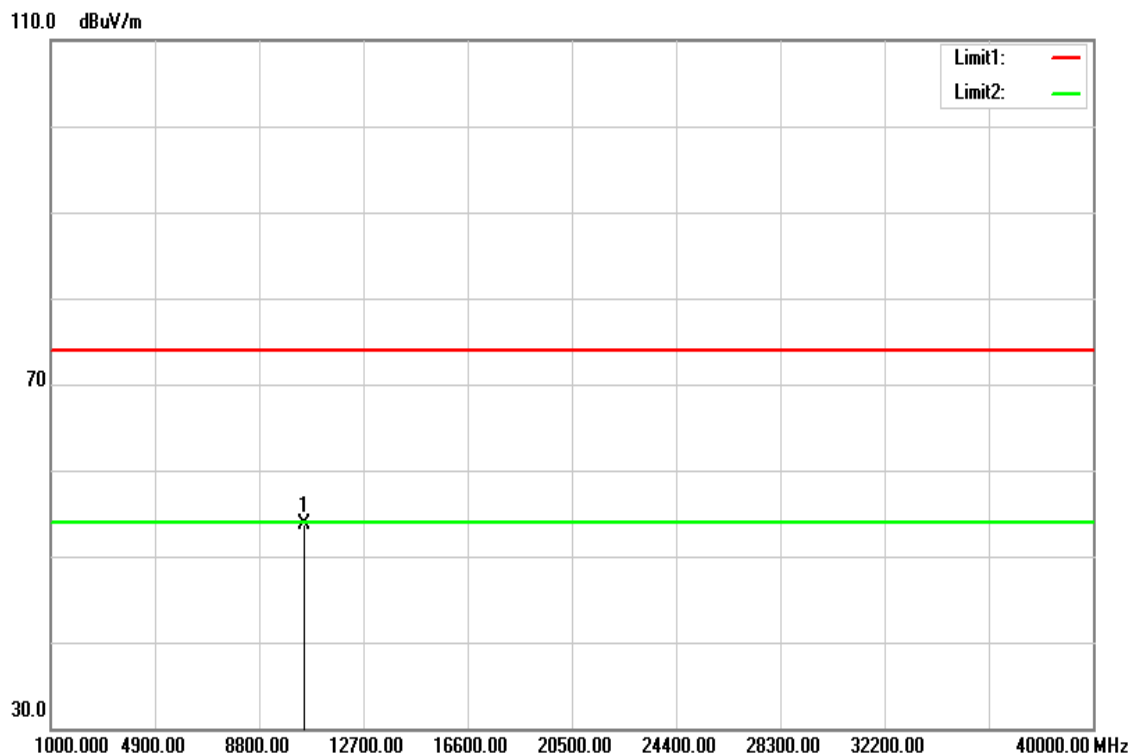


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10380.000       | 34.43          | 14.50                 | 48.93           | 74.00          | -25.07      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                      | Test Date     | January 24, 2018 |
| Polarize  | Vertical                      | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average              | Test Voltage  | 120Vac/60Hz      |

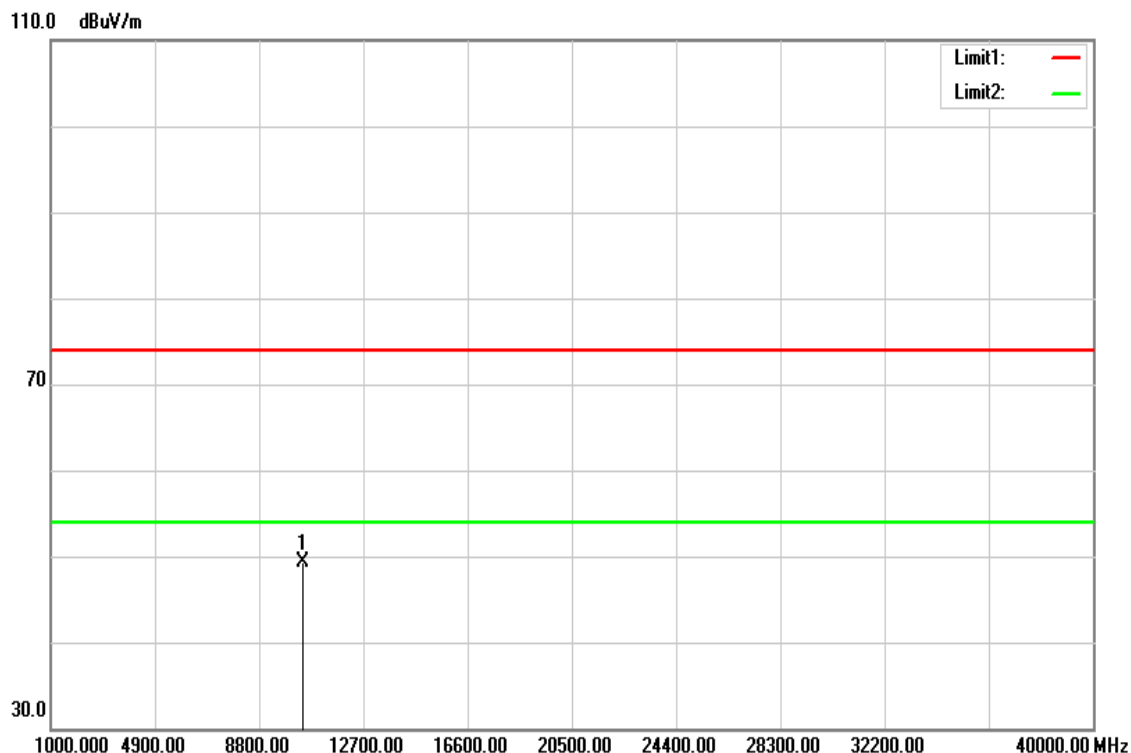


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10470.000       | 38.91          | 14.83                 | 53.74           | 74.00          | -20.26      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                      | Test Date     | January 24, 2018 |
| Polarize  | Horizontal                    | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average              | Test Voltage  | 120Vac/60Hz      |



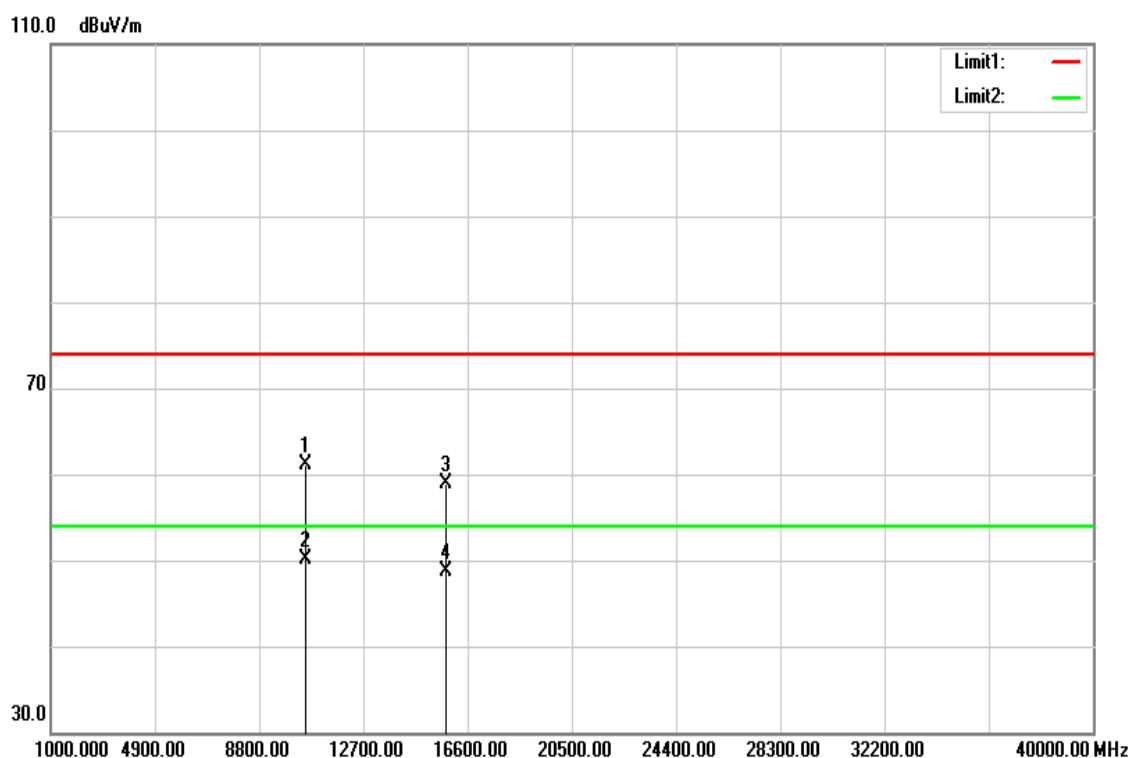
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10460.000       | 34.49          | 14.79                 | 49.28           | 74.00          | -24.72      | peak   |
| 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

**Above 1G Test Data for UNII-2a**

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5260 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Vertical                | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

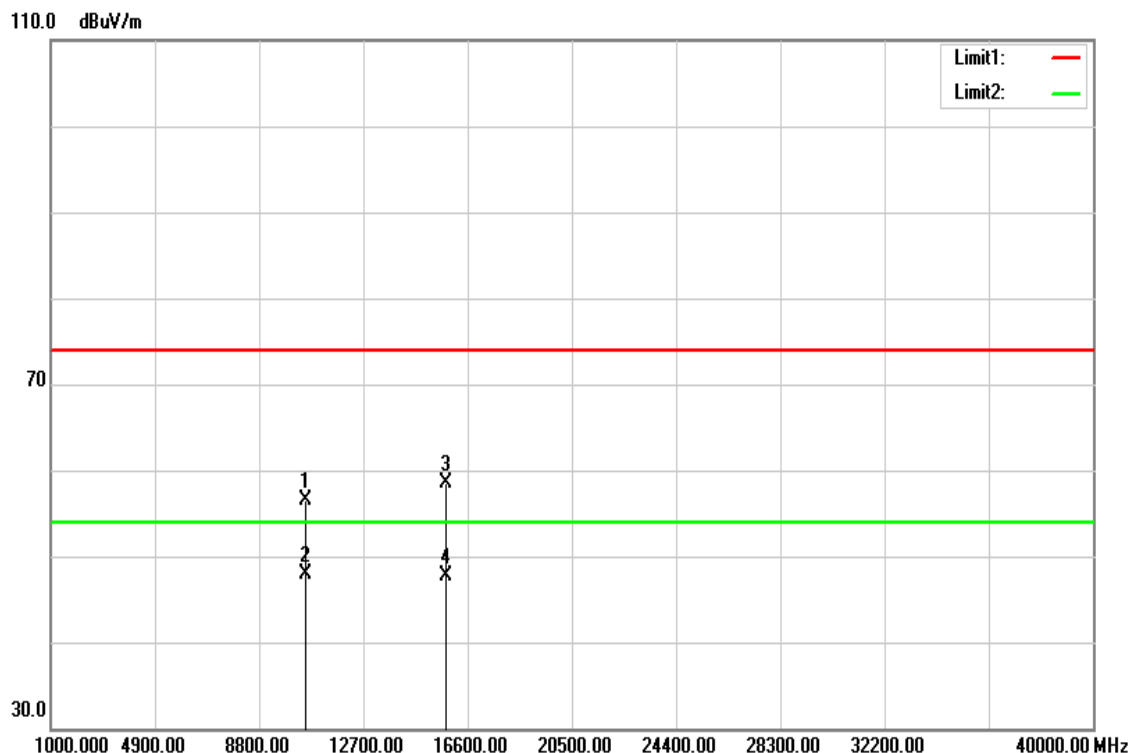


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10530.000       | 46.06          | 14.98                 | 61.04           | 74.00          | -12.96      | peak   |
| 10530.000       | 35.03          | 14.98                 | 50.01           | 54.00          | -3.99       | AVG    |
| 15790.000       | 39.48          | 19.41                 | 58.89           | 74.00          | -15.11      | peak   |
| 15790.000       | 29.32          | 19.41                 | 48.73           | 54.00          | -5.27       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

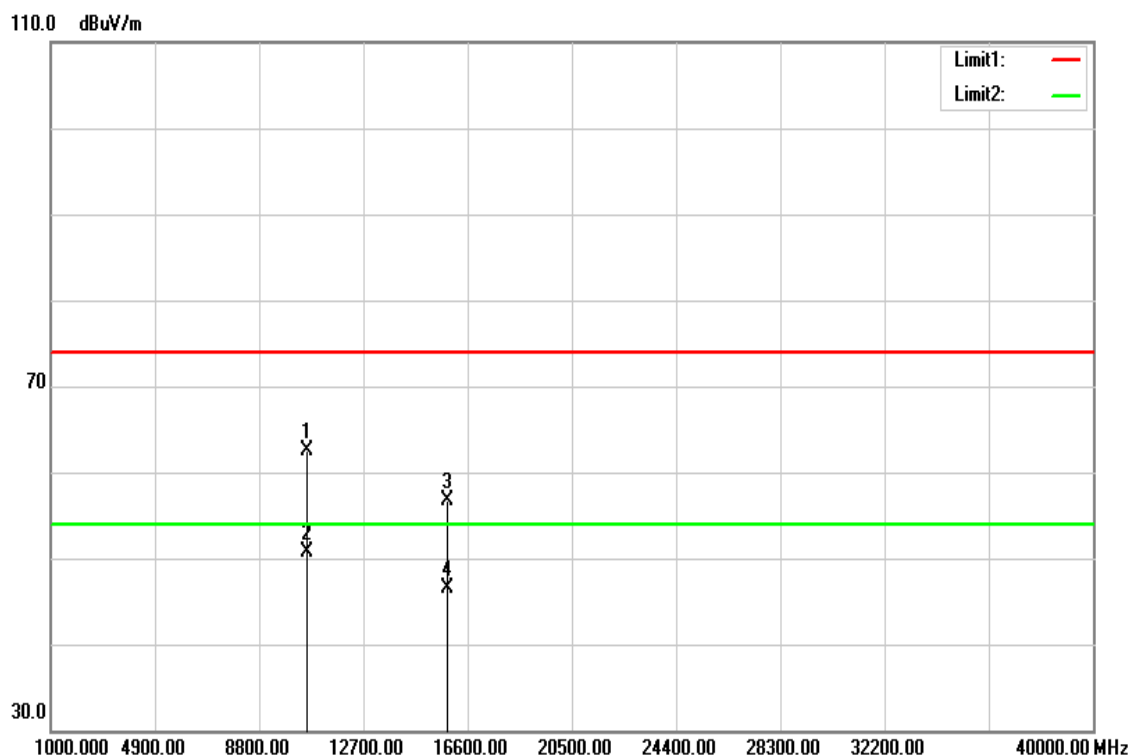


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10520.000       | 41.54          | 14.97                 | 56.51           | 74.00          | -17.49      | peak   |
| 10520.000       | 32.84          | 14.97                 | 47.81           | 54.00          | -6.19       | AVG    |
| 15790.000       | 39.01          | 19.41                 | 58.42           | 74.00          | -15.58      | peak   |
| 15790.000       | 28.22          | 19.41                 | 47.63           | 54.00          | -6.37       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Vertical                | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

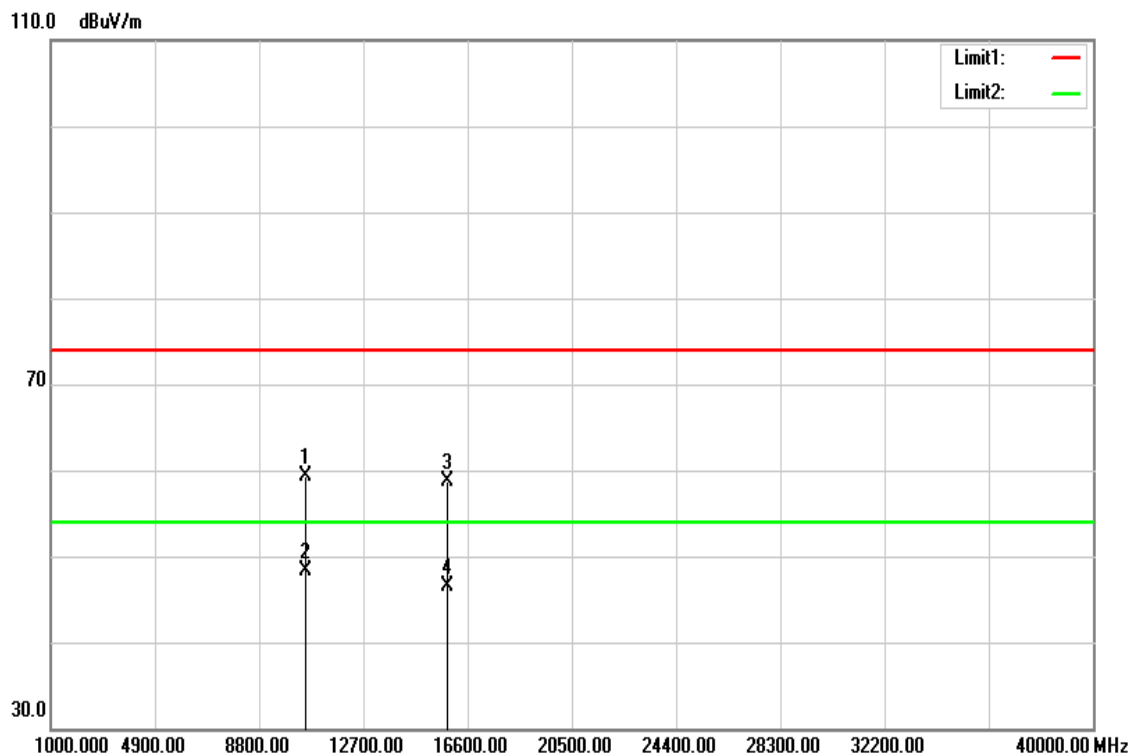


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10570.000       | 47.32          | 15.09                 | 62.41           | 74.00          | -11.59      | peak   |
| 10570.000       | 35.66          | 15.09                 | 50.75           | 54.00          | -3.25       | AVG    |
| 15840.000       | 37.12          | 19.55                 | 56.67           | 74.00          | -17.33      | peak   |
| 15840.000       | 26.92          | 19.55                 | 46.47           | 54.00          | -7.53       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

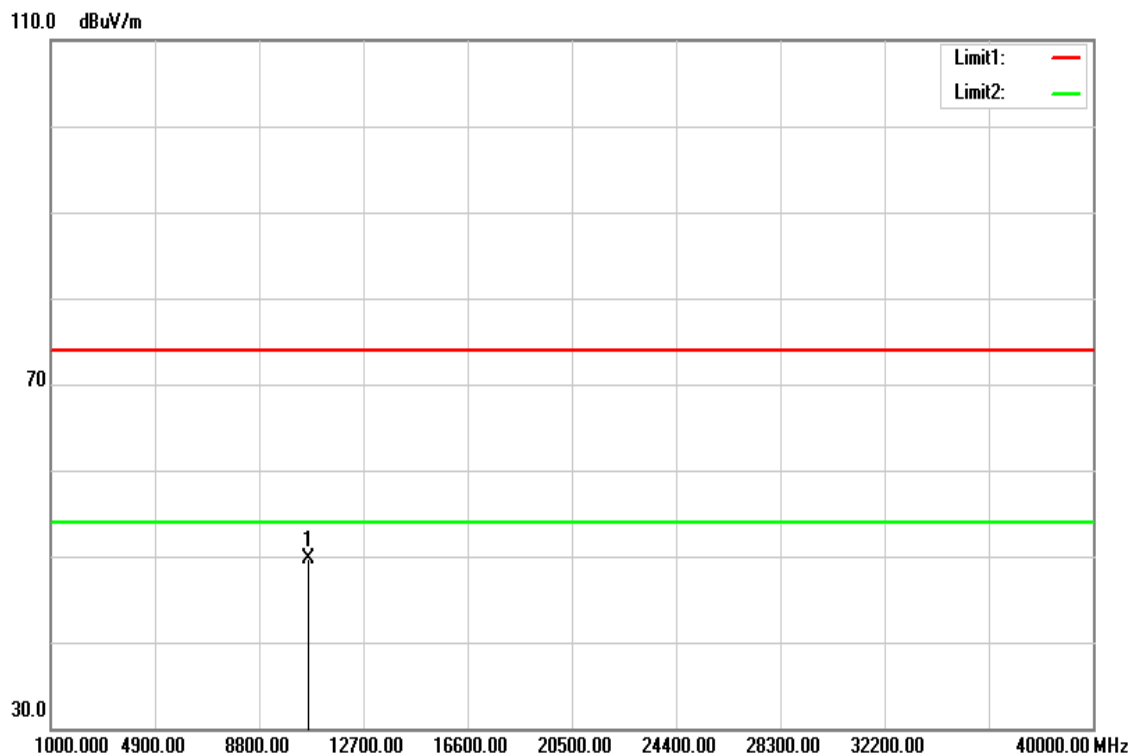


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10560.000       | 44.18          | 15.06                 | 59.24           | 74.00          | -14.76      | peak   |
| 10560.000       | 33.18          | 15.06                 | 48.24           | 54.00          | -5.76       | AVG    |
| 15840.000       | 39.18          | 19.55                 | 58.73           | 74.00          | -15.27      | peak   |
| 15840.000       | 27.03          | 19.55                 | 46.58           | 54.00          | -7.42       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Vertical                | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

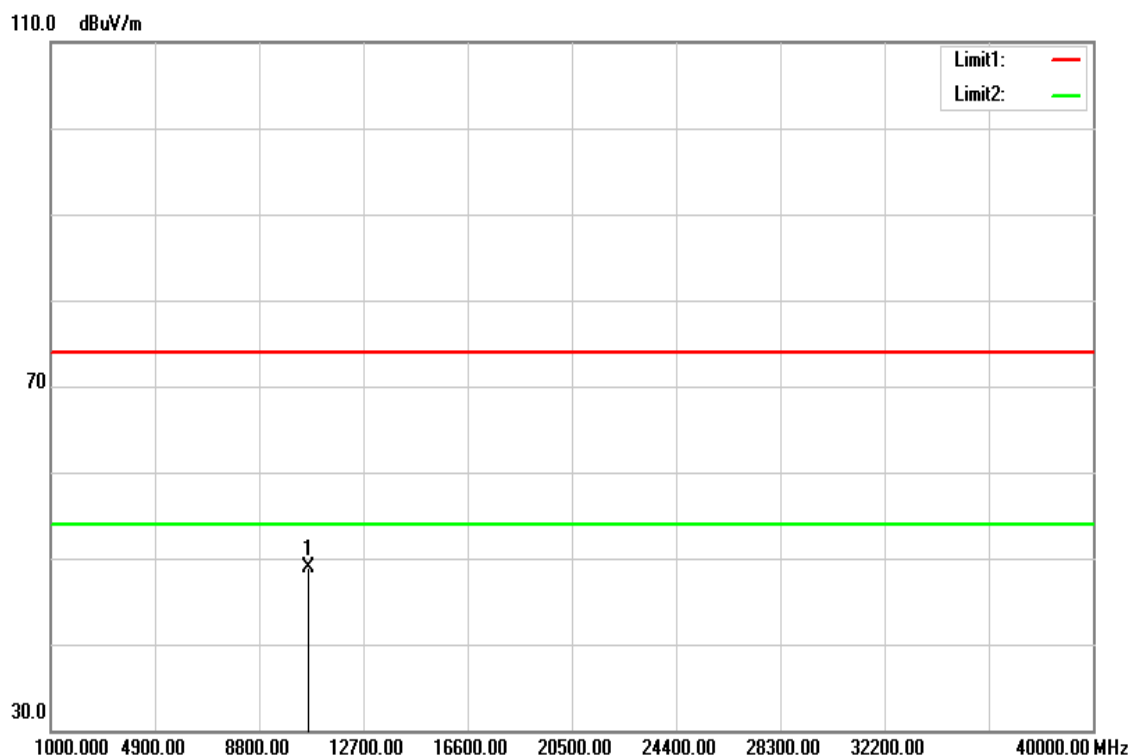


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10640.000       | 34.57          | 15.23                 | 49.80           | 74.00          | -24.20      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

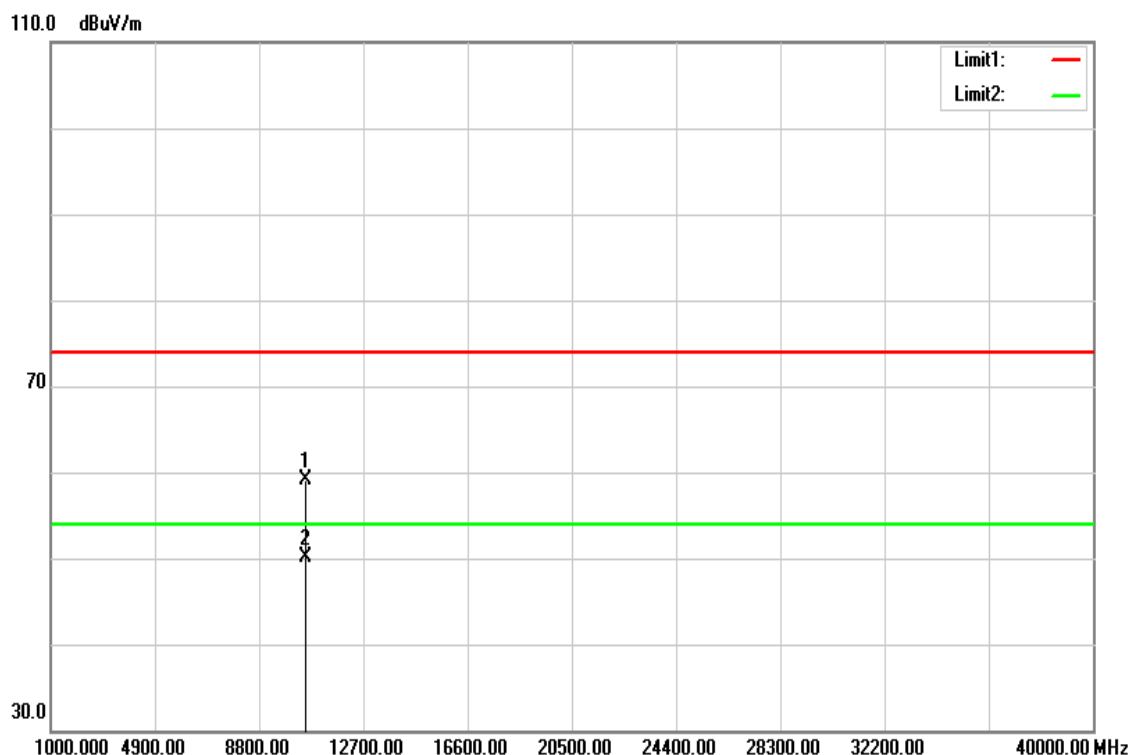


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10640.000       | 33.71          | 15.23                 | 48.94           | 74.00          | -25.06      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                       | Test Date     | January 26, 2018 |
| Polarize  | Vertical                       | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average               | Test Voltage  | 120Vac/60Hz      |

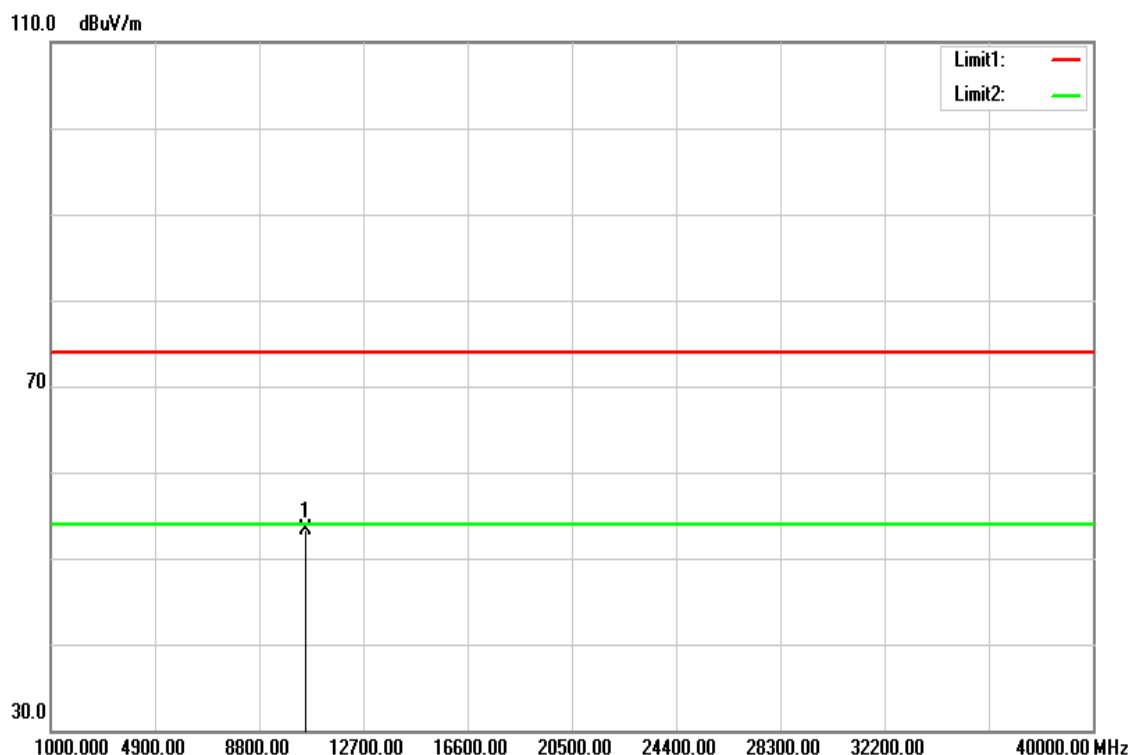


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10520.000       | 44.07          | 14.97                 | 59.04           | 74.00          | -14.96      | peak   |
| 10520.000       | 35.20          | 14.97                 | 50.17           | 54.00          | -3.83       | AVG    |
| N/A             |                |                       |                 |                |             |        |
|                 |                |                       |                 |                |             |        |
|                 |                |                       |                 |                |             |        |

**Remark:**

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                       | Test Date     | January 26, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average               | Test Voltage  | 120Vac/60Hz      |

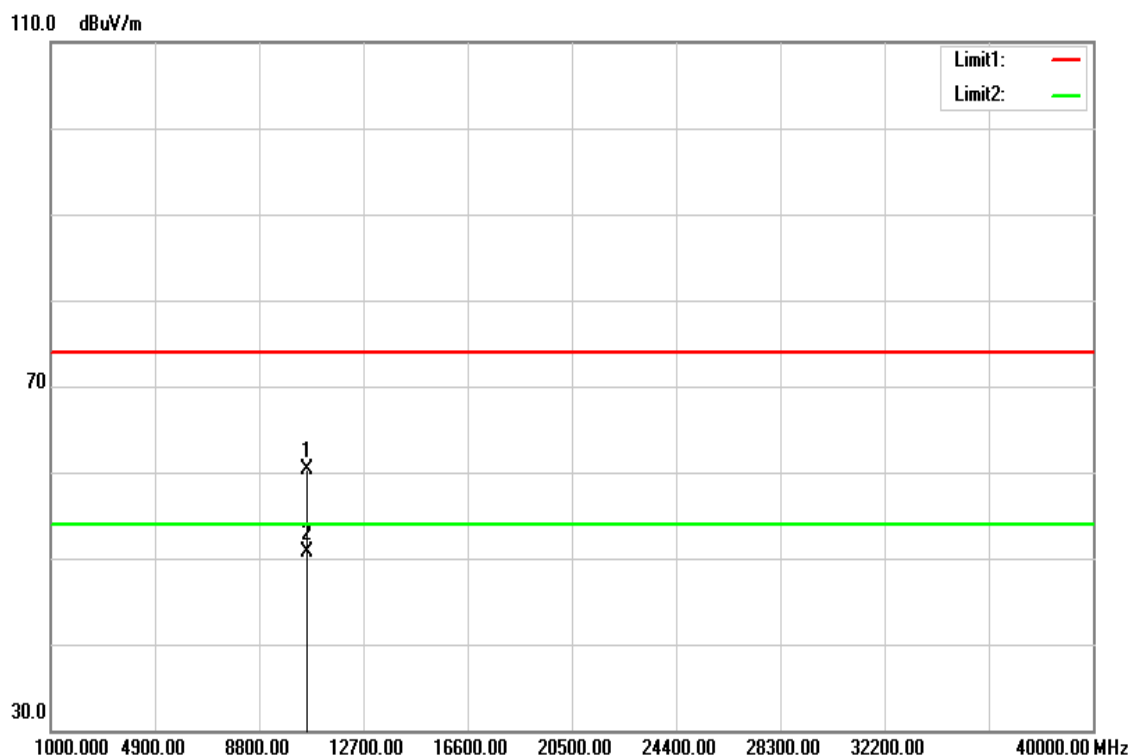


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10520.000       | 38.26          | 14.97                 | 53.23           | 74.00          | -20.77      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                       | Test Date     | January 26, 2018 |
| Polarize  | Vertical                       | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average               | Test Voltage  | 120Vac/60Hz      |

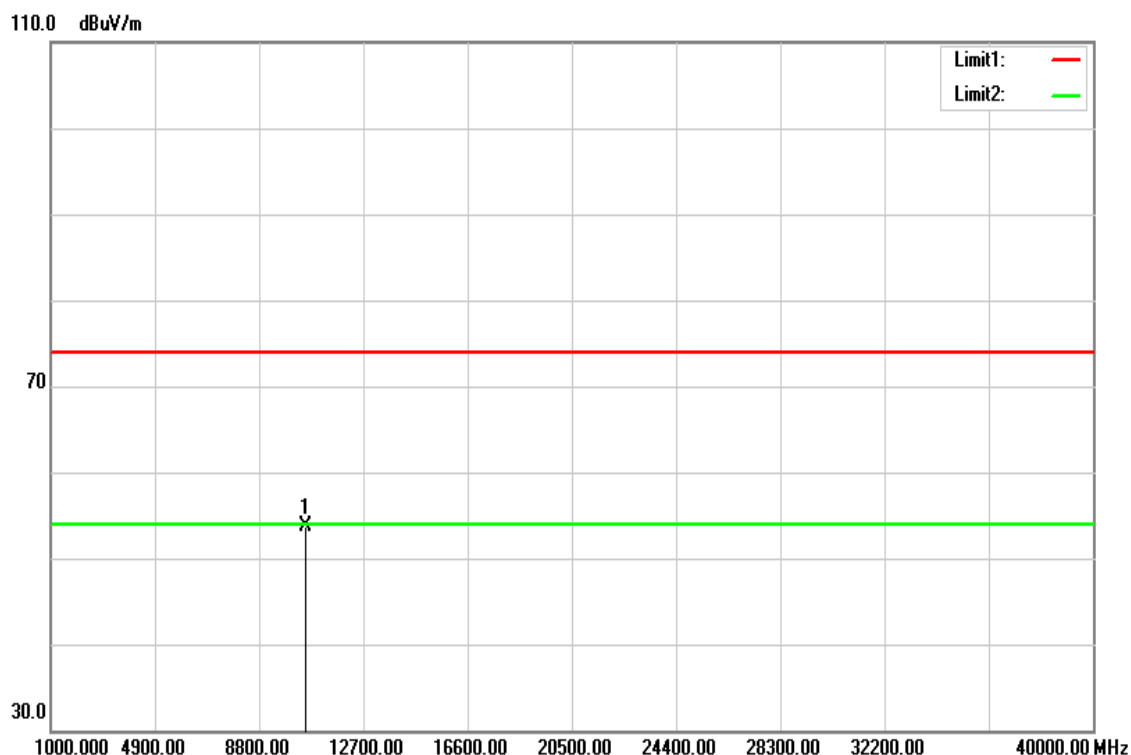


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10570.000       | 45.31          | 15.09                 | 60.40           | 74.00          | -13.60      | peak   |
| 10570.000       | 35.58          | 15.09                 | 50.67           | 54.00          | -3.33       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                       | Test Date     | January 26, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average               | Test Voltage  | 120Vac/60Hz      |

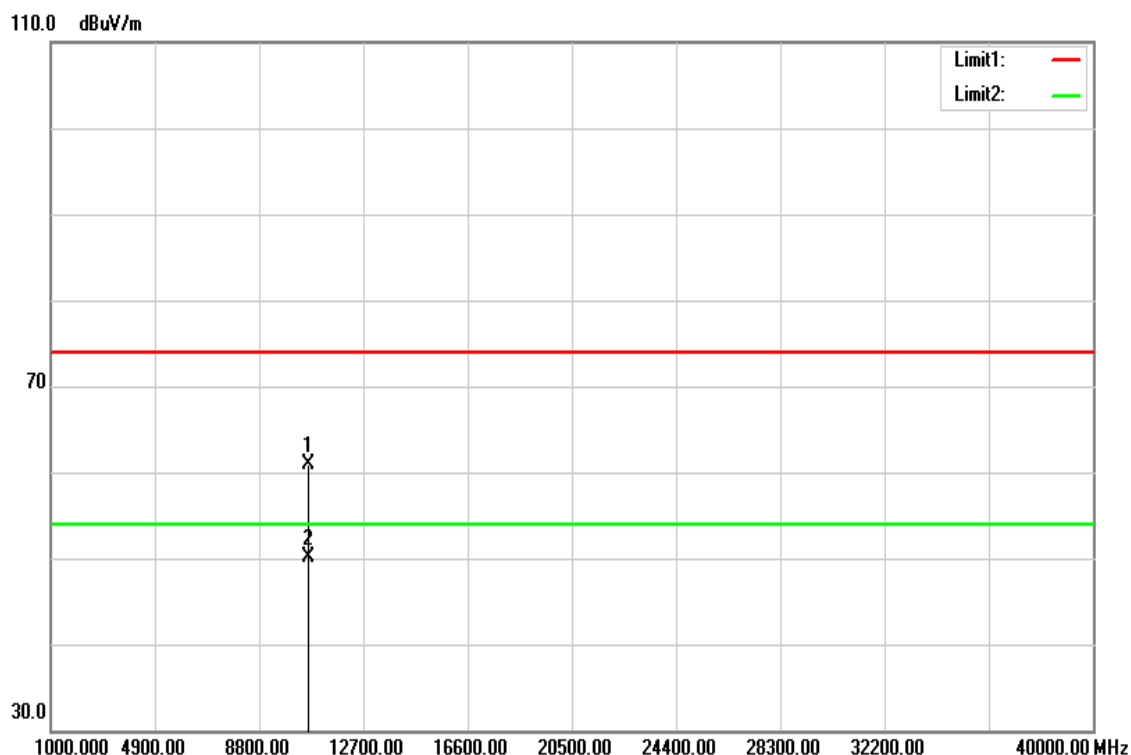


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10560.000       | 38.55          | 15.06                 | 53.61           | 74.00          | -20.39      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                       | Test Date     | January 26, 2018 |
| Polarize  | Vertical                       | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average               | Test Voltage  | 120Vac/60Hz      |

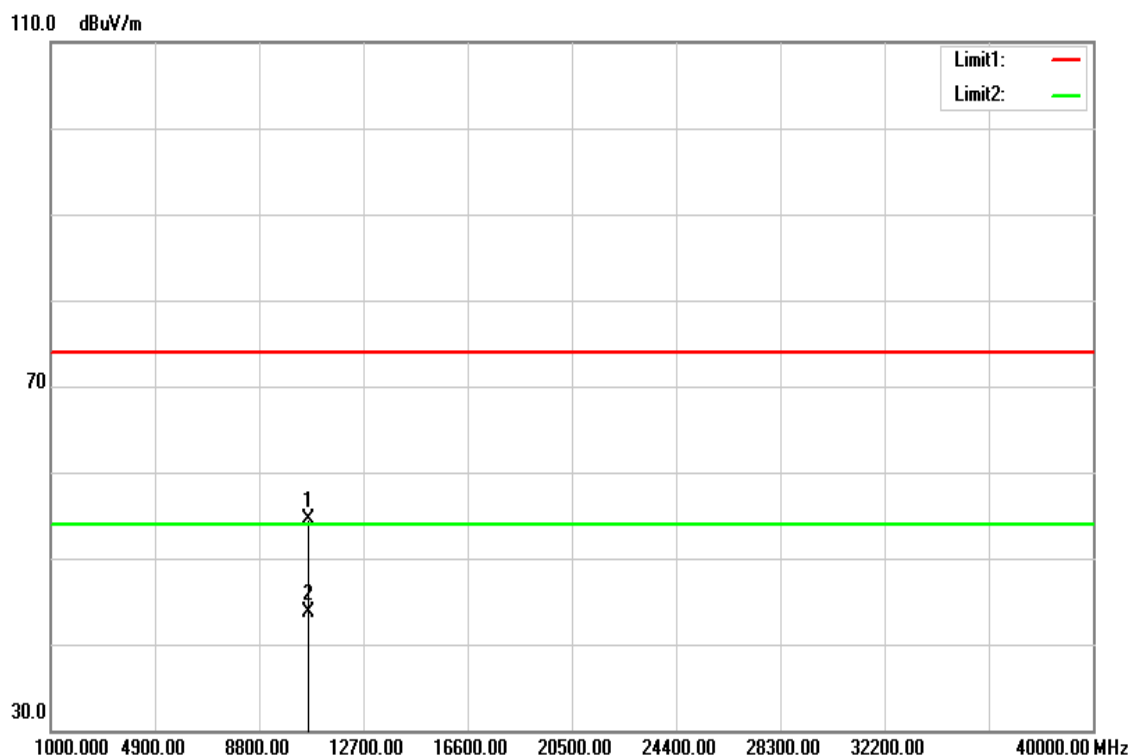


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10640.000       | 45.68          | 15.23                 | 60.91           | 74.00          | -13.09      | peak   |
| 10640.000       | 34.91          | 15.23                 | 50.14           | 54.00          | -3.86       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                       | Test Date     | January 26, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average               | Test Voltage  | 120Vac/60Hz      |

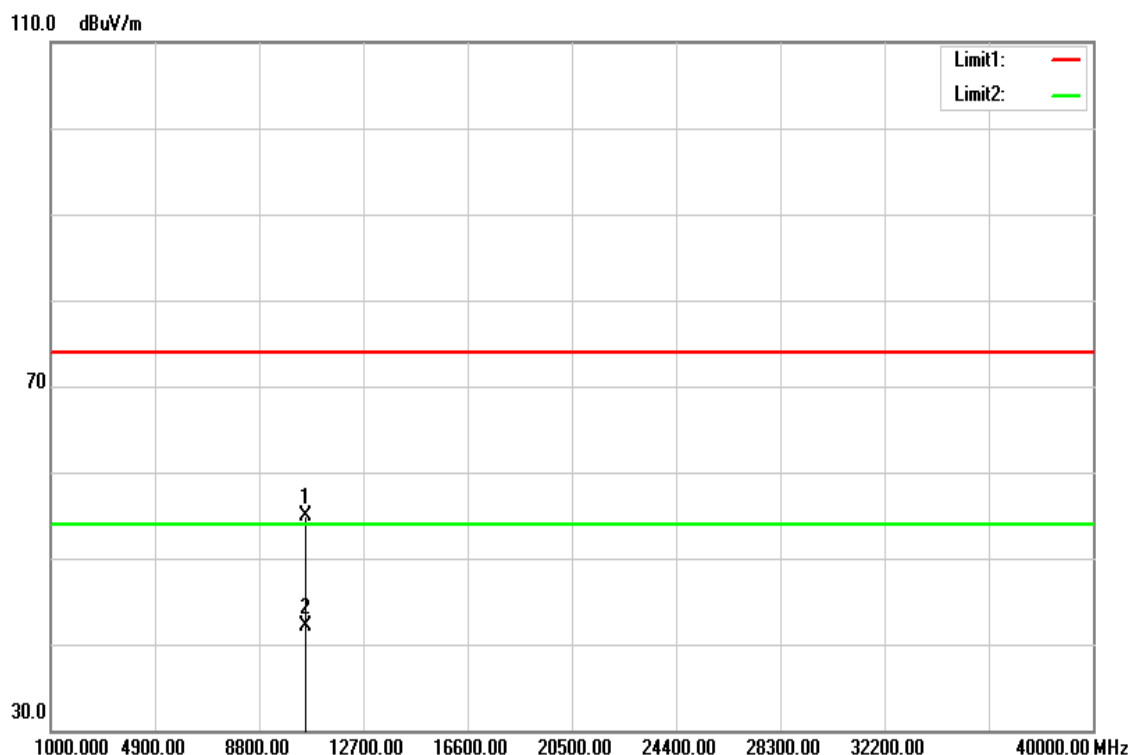


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10640.000       | 39.37          | 15.23                 | 54.60           | 74.00          | -19.40      | peak   |
| 10640.000       | 28.49          | 15.23                 | 43.72           | 54.00          | -10.28      | AVG    |
| N/A             |                |                       |                 |                |             |        |
|                 |                |                       |                 |                |             |        |
|                 |                |                       |                 |                |             |        |

**Remark:**

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                       | Test Date     | January 26, 2018 |
| Polarize  | Vertical                       | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average               | Test Voltage  | 120Vac/60Hz      |

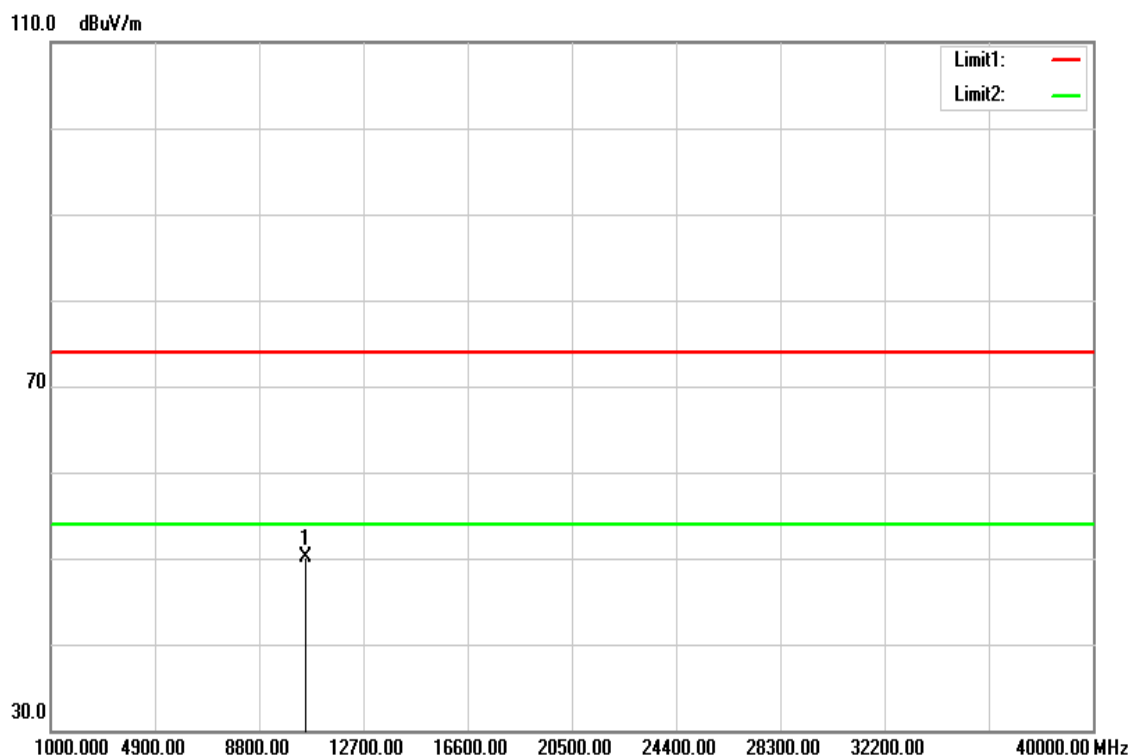


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10560.000       | 39.84          | 15.06                 | 54.90           | 74.00          | -19.10      | peak   |
| 10560.000       | 27.00          | 15.06                 | 42.06           | 54.00          | -11.94      | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                       | Test Date     | January 26, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average               | Test Voltage  | 120Vac/60Hz      |

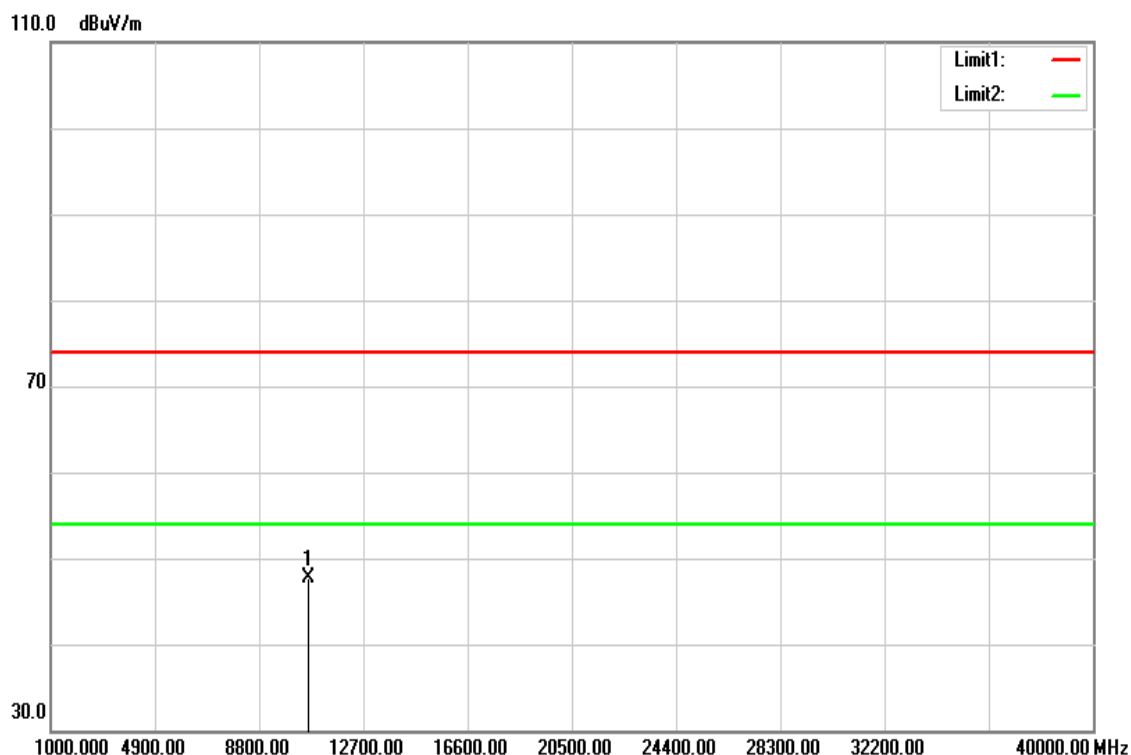


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10540.000       | 35.02          | 15.01                 | 50.03           | 74.00          | -23.97      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                       | Test Date     | January 26, 2018 |
| Polarize  | Vertical                       | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average               | Test Voltage  | 120Vac/60Hz      |

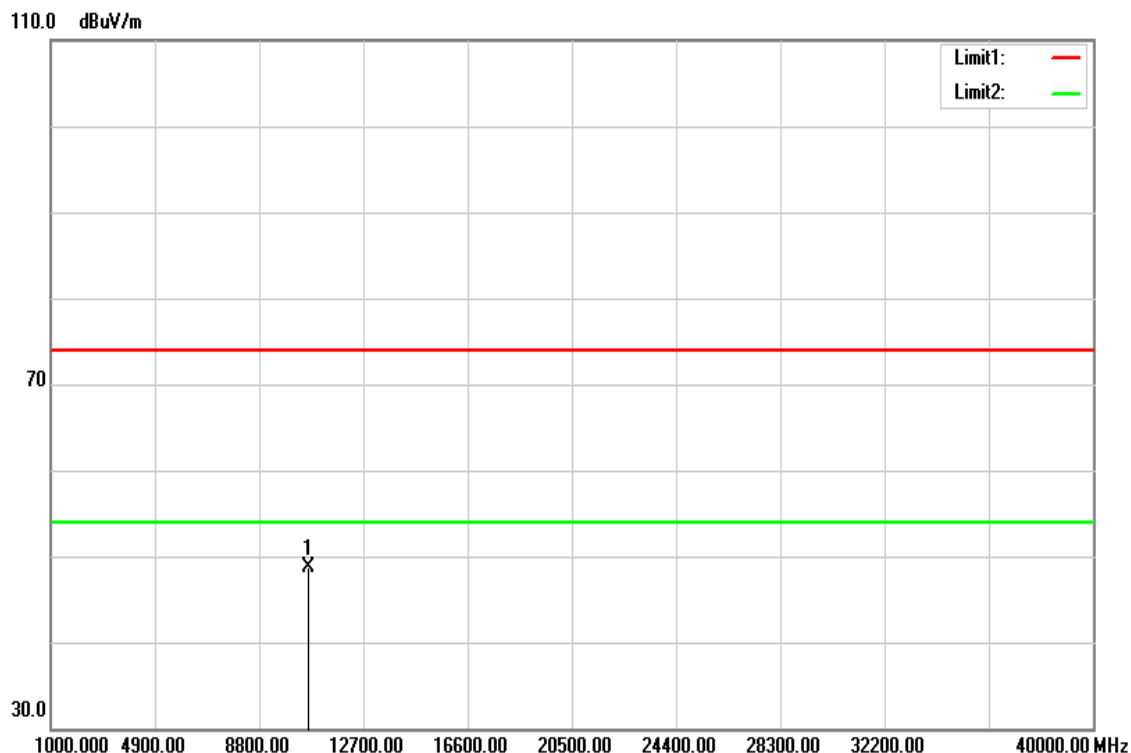


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10620.000       | 32.43          | 15.20                 | 47.63           | 74.00          | -26.37      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                       | Test Date     | January 26, 2018 |
| Polarize  | Horizontal                     | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average               | Test Voltage  | 120Vac/60Hz      |



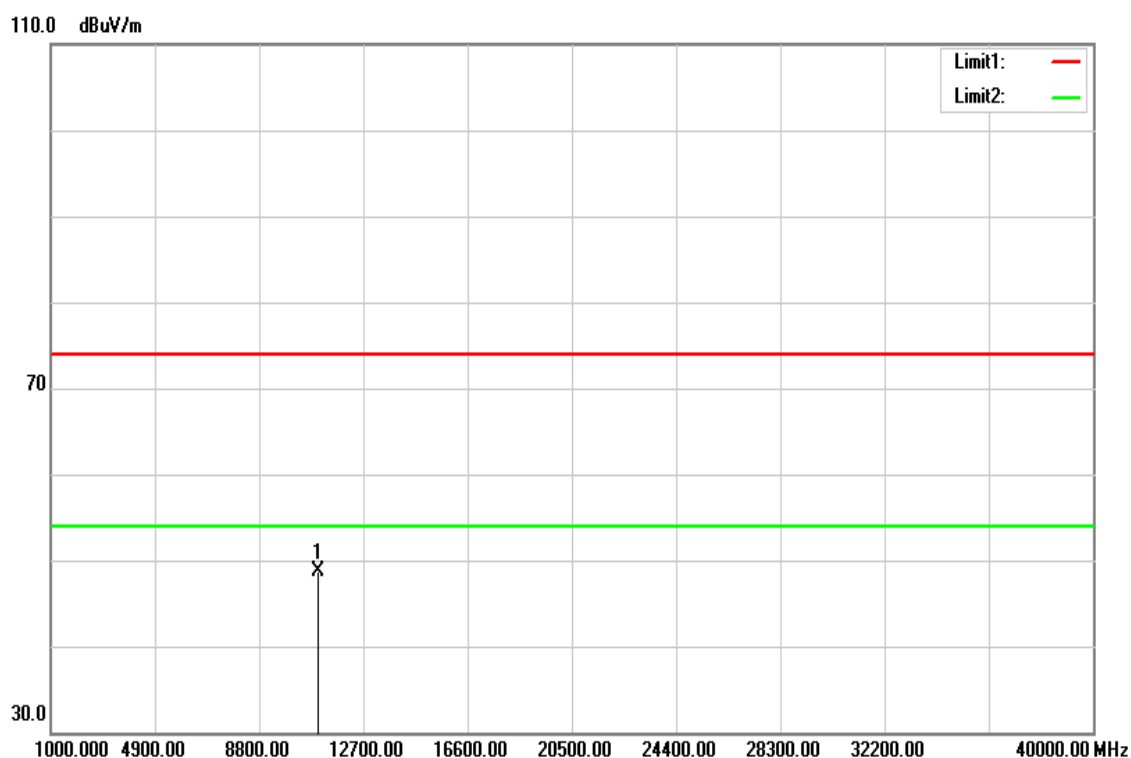
| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 10620.000       | 33.46          | 15.20                 | 48.66           | 74.00          | -25.34      | peak   |
| 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

**Above 1G Test Data for UNII-2c**

|           |                         |               |                  |
|-----------|-------------------------|---------------|------------------|
| Test Mode | IEEE 802.11a / 5500 MHz | Temp/Hum      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Vertical                | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

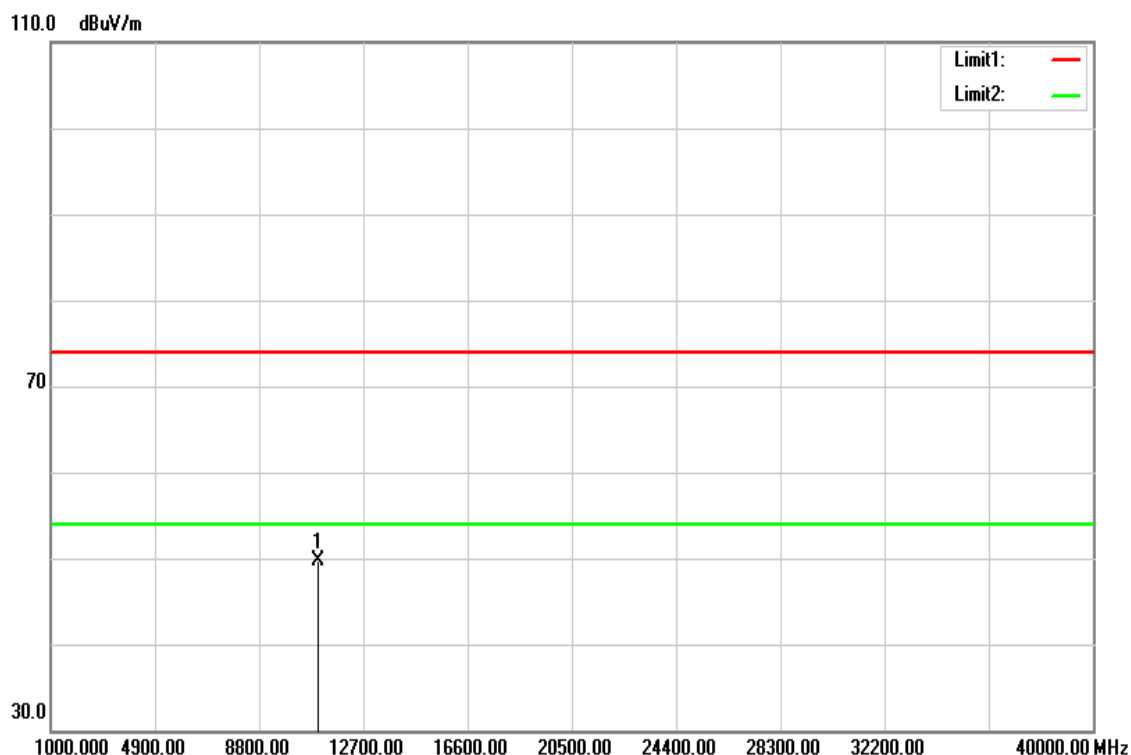


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 11000.000       | 32.63          | 16.06                 | 48.69           | 74.00          | -25.31      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

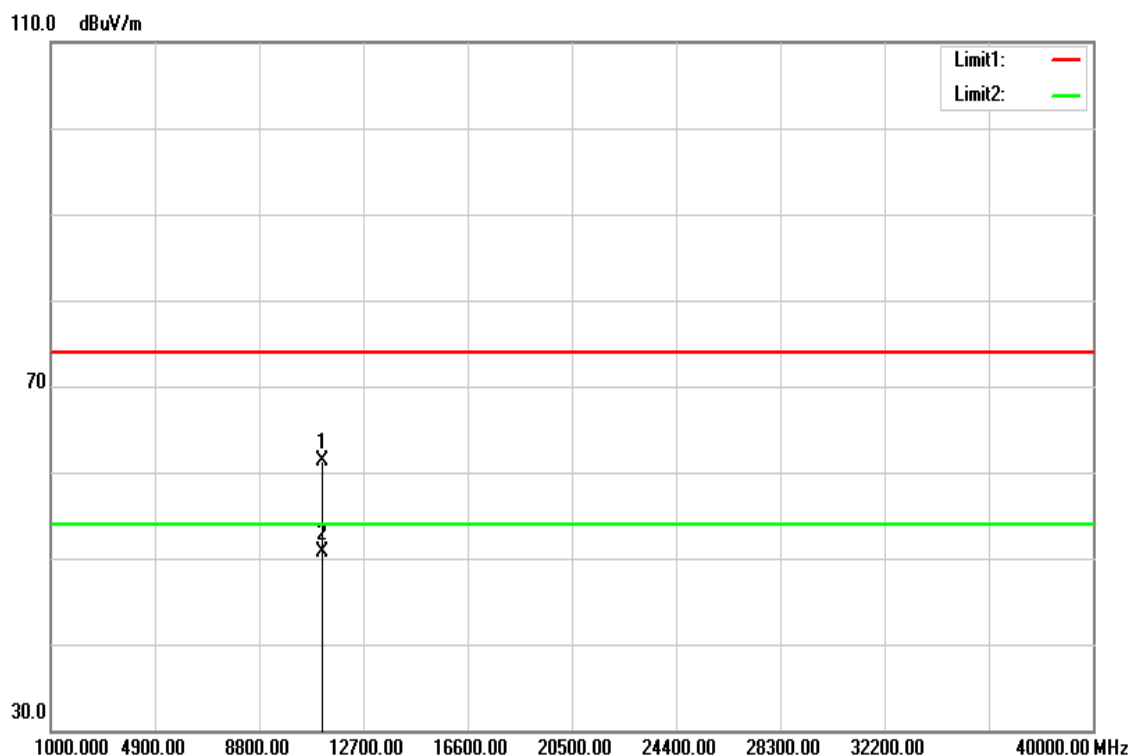


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 11000.000       | 33.71          | 16.06                 | 49.77           | 74.00          | -24.23      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Vertical                | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

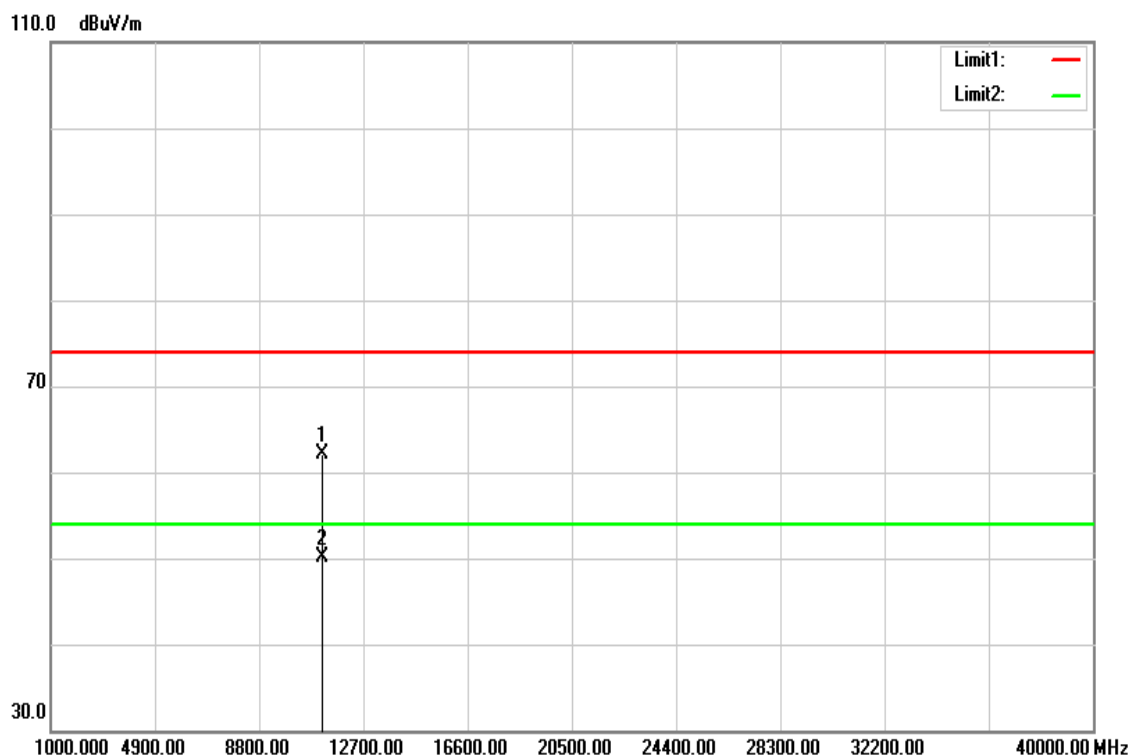


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 11160.000       | 45.31          | 16.07                 | 61.38           | 74.00          | -12.62      | peak   |
| 11160.000       | 34.56          | 16.07                 | 50.63           | 54.00          | -3.37       | AVG    |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

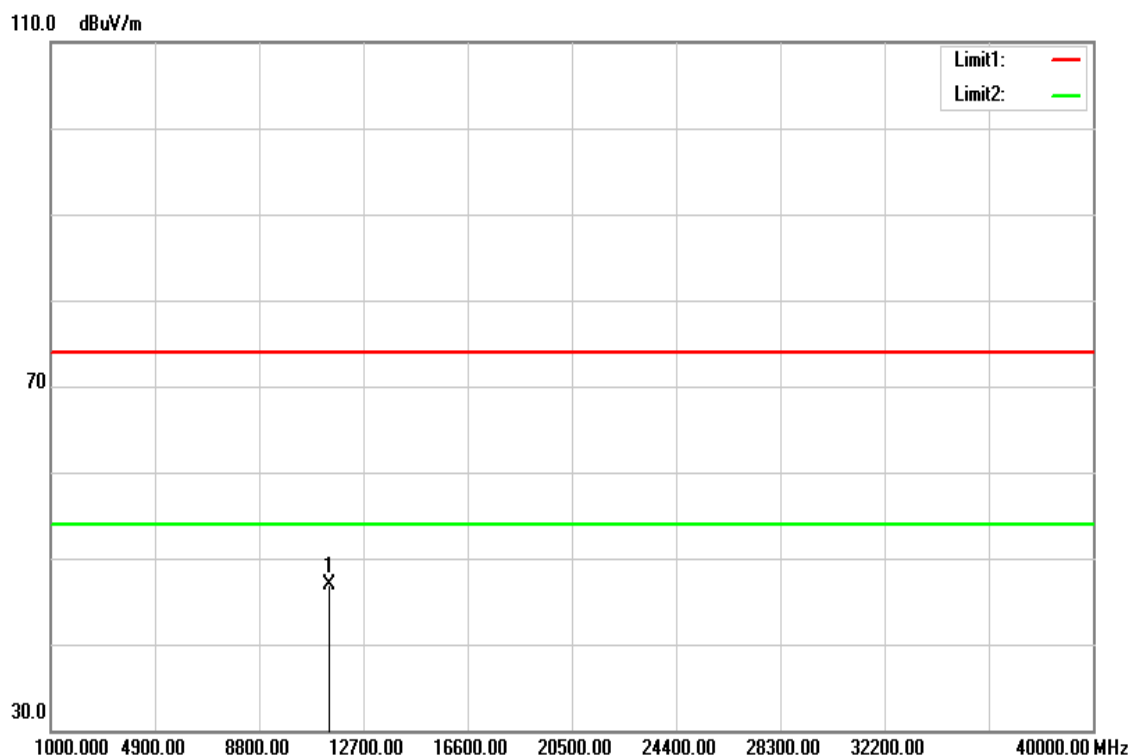


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 11160.000       | 46.12          | 16.07                 | 62.19           | 74.00          | -11.81      | peak   |
| 11160.000       | 33.94          | 16.07                 | 50.01           | 54.00          | -3.99       | AVG    |
| N/A             |                |                       |                 |                |             |        |
|                 |                |                       |                 |                |             |        |
|                 |                |                       |                 |                |             |        |

**Remark:**

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Vertical                | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |

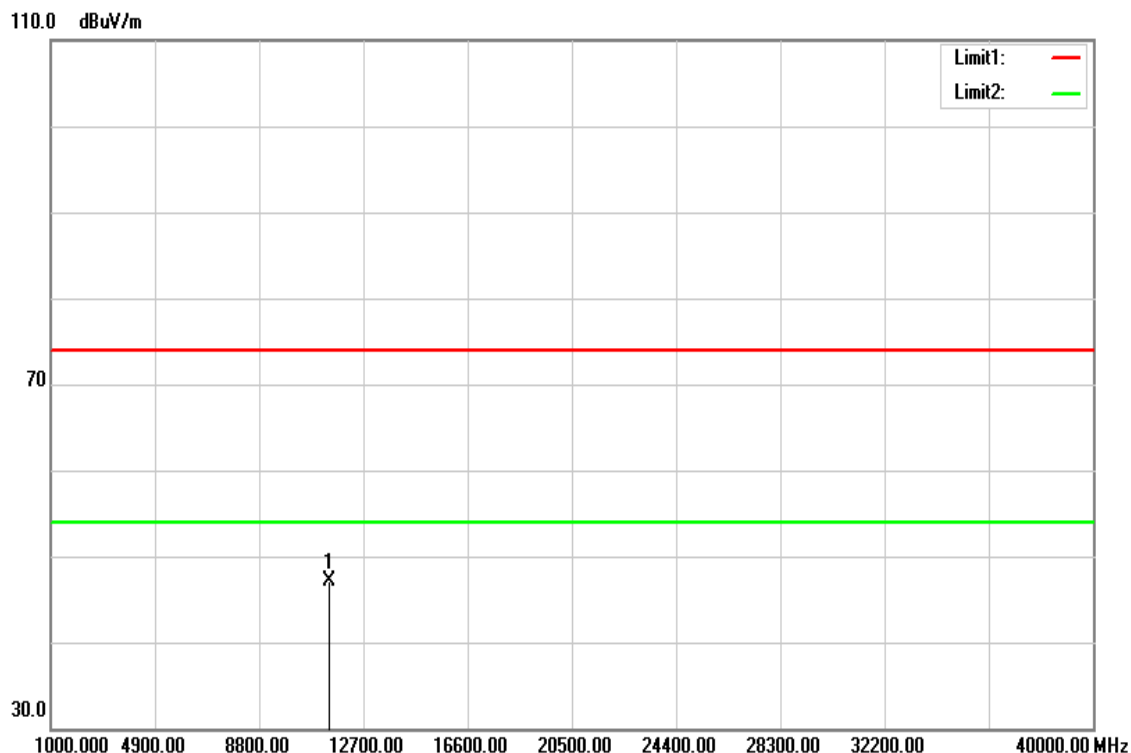


| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 11400.000       | 30.90          | 16.08                 | 46.98           | 74.00          | -27.02      | peak   |
| 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      | 24(°C)/ 33%RH    |
| Test Item | Harmonic                | Test Date     | January 26, 2018 |
| Polarize  | Horizontal              | Test Engineer | Jerry Chuang     |
| Detector  | Peak and Average        | Test Voltage  | 120Vac/60Hz      |



| Frequency (MHz) | Reading (dBuV) | Correct Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----------------|----------------|-----------------------|-----------------|----------------|-------------|--------|
| 11400.000       | 31.05          | 16.08                 | 47.13           | 74.00          | -26.87      | peak   |
| 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