

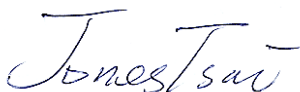
# FCC RADIO TEST REPORT

FCC ID : MSQI001D  
Equipment : ASUS Phone(Mobile Phone)  
Brand Name : ASUS  
Model name : ASUS\_I001D  
ASUS\_I001DC  
Applicant : ASUSTeK COMPUTER INC.  
4F, No. 150, LI-TE RD., PEITOU, TAIPEI, TAIWAN  
Manufacturer : Guangdong Enok Communication Co., Ltd.  
No. 137, 139, Lixiang Road., Songmushan Village, Dalang  
Town, Dongguan City, Guangdong Province, China  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Mar. 13, 2019 and testing was started from May 15, 2019 and completed on Jul. 18, 2019. We, SPORTON INTERNATIONAL INC., EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Jones Tsai

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**

No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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## History of this test report

| Report No. | Version | Description             | Issued Date   |
|------------|---------|-------------------------|---------------|
| FR931316F  | 01      | Initial issue of report | Jul. 19, 2019 |
|            |         |                         |               |
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## Summary of Test Result

| Report Clause | Ref Std. Clause        | Test Items                             | Result (PASS/FAIL) | Remark                                     |
|---------------|------------------------|----------------------------------------|--------------------|--------------------------------------------|
| 3.1           | 15.403 (i)             | 6dB & 26dB Bandwidth                   | Pass               | -                                          |
| 3.1           | 2.1049                 | 99% Occupied Bandwidth                 | Reporting only     | -                                          |
| 3.2           | 15.407 (a)             | Maximum Conducted Output Power         | Pass               | -                                          |
| 3.3           | 15.407 (a)             | Power Spectral Density                 | Pass               | -                                          |
| 3.4           | 15.407(b)              | Unwanted Emissions                     | Pass               | Under limit<br>4.10 dB at<br>11550.000 MHz |
| 3.5           | 15.207                 | AC Conducted Emission                  | Pass               | Under limit<br>7.91 dB at<br>13.560 MHz    |
| 3.6           | 15.407 (c)             | Automatically Discontinue Transmission | Pass               | -                                          |
| 3.7           | 15.203 &<br>15.407 (a) | Antenna Requirement                    | Pass               | -                                          |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Wii Chang**

**Report Producer: Elise Chang**

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

GSM/CDMA/WCDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n/ac, Wi-Fi 5GHz 802.11a/n/ac, FM Receiver, NFC, and GNSS.

| Product Specification subjective to this standard |                                                                                                                                                                                                                                                                    |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antenna Type                                      | WWAN: PIFA Antenna<br>WLAN<br><Ant. 0>: PIFA Antenna<br><Ant. 1>: PIFA Antenna<br><Ant. 2>: PIFA Antenna<br><Ant. 3>: PIFA Antenna<br>Bluetooth: PIFA Antenna<br>GPS / Glonass / BDS / Galileo: PIFA Antenna<br>NFC: Loop Antenna<br>FM: Using Earphone as Antenna |

### <Sample Information>

| Sample            | Sample 1                                       | Sample 2                                       | Sample 3                                       | Sample 4                                      | Sample 5                                      |
|-------------------|------------------------------------------------|------------------------------------------------|------------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Confi             | 8G/256GB                                       | 12G/512GB                                      | 12G/512GB                                      | 12G/128GB                                     | 12G/256GB                                     |
| LCD+ Touch module | TIANMA/TA066VVH M01-00 ON CELL                 | TIANMA/TA066VVH M01-00 ON CELL                 | TIANMA/TA066VVH M01-00 ON CELL                 | TIANMA/TA066VVH M01-00 ON CELL                | TM/TA066VVHM01-00 2.0 ON CELL                 |
| Front Camera 24M  | AZUREWAVE/AM-9B F8N01-A                        | SUNWIN/SWCG572 Y0DAB-VA                        | AZUREWAVE/AM-9B F8N01-A                        | SUNWIN/SWCG572Y 0DAB-VA                       | SUNWIN/SWCG572 Y0DAB-VA                       |
| Rear Camera 48M   | O FILM/OSS1588                                 | LUXVISIONS/9BAL0 2P3                           | O FILM/OSS1588                                 | PRIMAX/50-704J1AS C8                          | LUXVISIONS/9BAL0 2P3                          |
| Finger print      | ACE TW/9105-260002101                          | ACE TW/9105-260002101                          | ACE TW/9105-260002101                          | ACE TW/9105-260002101                         | ACE TW/9105-260002101                         |
| BATT              | SCUD/C11P1901                                  | SCUD/C11P1901                                  | SCUD/C11P1901                                  | SCUD/C11P1901                                 | SCUD/C11P1901                                 |
| CPU               | QUALCOMM 893MPSP/SM-8150-1-893BMPSP-TR-03-0-AB | QUALCOMM 893MPSP/SM-8150-1-893BMPSP-TR-03-0-AB | QUALCOMM 893MPSP/SM-8150-1-893BMPSP-TR-03-0-AB | QUALCOMM 893MPSP/SM-8150-1-MPSP893-TR-03-0-AC | QUALCOMM 893MPSP/SM-8150-5-MPSP893-TR-03-0-AC |
| DDR               | SAMSUNG/K3UHH7H 70AM-AGCL                      | SAMSUNG/K3UHAH A0AM-AGCL                       | SAMSUNG/K3UHAH A0AM-AGCL                       | SAMSUNG/K3UHAH A0AM-AGCL                      | SAMSUNG/K3UHAH A0AM-AGCL                      |
| UFS               | Samsung/KLUEG8U 1EA-B0C1                       | Samsung/KLUFG8R 1EM-B0C1                       | Samsung/KLUFG8R 1EM-B0C1                       | SAMSUNG KLUDG4UHDB-B2D1                       | HYNIX/H28S9O302 BMR                           |

## 1.2 Modification of EUT

No modifications are made to the EUT during all test items.



### 1.3 Testing Location

|                    |                                                                                                                       |         |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|---------|
| Test Site          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory                                                   |         |
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |         |
| Test Site No.      | Sporton Site No.                                                                                                      |         |
|                    | TH05-HY                                                                                                               | CO05-HY |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

|                    |                                                                                                                                           |  |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| Test Site          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory                                                                       |  |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |  |
| Test Site No.      | Sporton Site No.                                                                                                                          |  |
|                    | 03CH16-HY                                                                                                                                 |  |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW1190 and TW0007

### 1.4 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

**Remark:**

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

## 2 Test Configuration of Equipment Under Test

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Calling Mode: Y plane with bottom port for Ant. 3, Z plane with bottom port for MIMO Ant. 0+3, Z plane with side port for Ant. 0; Camera Mode: Y plane with bottom port for Ant. 3 and MIMO Ant. 3+2, Z plane with side port for Ant. 2; Gaming Mode: Y plane with bottom port for Ant. 1, Z plane with bottom port for MIMO Ant. 0+1) were recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

### 2.1 Carrier Frequency and Channel

| Frequency Band                       | Channel          | Freq. (MHz) | Channel | Freq. (MHz) |
|--------------------------------------|------------------|-------------|---------|-------------|
| 5725-5850 MHz<br>Band 4<br>(U-NII-3) | 149              | 5745        | 157     | 5785        |
|                                      | 151*             | 5755        | 159*    | 5795        |
|                                      | 153              | 5765        | 161     | 5805        |
|                                      | 155 <sup>#</sup> | 5775        | 165     | 5825        |

**Note:**

1. The above Frequency and Channel in "\*" were 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel in "<sup>#</sup>" were 802.11ac VHT80.

## 2.2 Test Mode

Final test modes are considering the modulation and worse data rates as below table.

### Single Mode

| Modulation                       | Data Rate |
|----------------------------------|-----------|
| 802.11a                          | 6 Mbps    |
| 802.11n HT20                     | MCS0      |
| 802.11n HT40                     | MCS0      |
| 802.11ac VHT20 (Covered by HT20) | MCS0      |
| 802.11ac VHT40 (Covered by HT40) | MCS0      |
| 802.11ac VHT80                   | MCS0      |

### MIMO Mode

| Modulation                       | Data Rate |
|----------------------------------|-----------|
| 802.11a                          | 6 Mbps    |
| 802.11n HT20                     | MCS0      |
| 802.11n HT40                     | MCS0      |
| 802.11ac VHT20 (Covered by HT20) | MCS0      |
| 802.11ac VHT40 (Covered by HT40) | MCS0      |
| 802.11ac VHT80                   | MCS0      |

### Test Cases

|                                                                                               |                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AC Conducted Emission</b>                                                                  | Mode 1 : GSM 850 Idle + Bluetooth Link + WLAN (5GHz) Link + X mode + Aura sync + NFC On + MPEG4 (Color Bar) + Earphone 3 + Inbox 1 (Charging from Adapter via USB Cable) + Fan on (Max.) + SIM 1 for Sample 3 |
| <b>Remark:</b> For Radiated Test Cases, the tests were performed with Earphone 1 and Sample 3 |                                                                                                                                                                                                               |

| Ch. # |        | Band IV : 5725-5850 MHz |              |              |                |
|-------|--------|-------------------------|--------------|--------------|----------------|
|       |        | 802.11a                 | 802.11n HT20 | 802.11n HT40 | 802.11ac VHT80 |
| L     | Low    | 149                     | 149          | 151          | -              |
| M     | Middle | 157                     | 157          | -            | 155            |
| H     | High   | 165                     | 165          | 159          | -              |

## 2.3 Connection Diagram of Test System



## 2.4 Support Unit used in test configuration and system

| Item | Equipment          | Trade Name    | Model Name     | FCC ID      | Data Cable        | Power Cord                                                 |
|------|--------------------|---------------|----------------|-------------|-------------------|------------------------------------------------------------|
| 1.   | System Simulator   | Anritsu       | MT8820C        | N/A         | N/A               | Unshielded, 1.8 m                                          |
| 2.   | Bluetooth Earphone | Sony Ericsson | MW600          | PY700A2029  | N/A               | N/A                                                        |
| 3.   | WLAN AP            | ASUS          | RT-AC66U       | MSQ-RTAC66U | ASUS              | Unshielded, 1.8 m                                          |
| 4.   | Notebook           | DELL          | Latitude E6320 | FCC DoC     | N/A               | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 5.   | SD Card            | SanDisk       | MicroSD HC     | FCC DoC     | N/A               | N/A                                                        |
| 6.   | Earphone 3         | ASUS          | EA010          | FCC DoC     | Unshielded, 1.2 m | N/A                                                        |

## 2.5 EUT Operation Test Setup

The RF test items, utility “QRCT Version3.0.271.0” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

The offset level is set in the spectrum analyzer to compensate the RF cable loss and attenuator factor between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss and attenuator factor.

*Offset = RF cable loss + attenuator factor.*

Following shows an offset computation example with cable loss 4.2 dB and 10dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

### 3 Test Result

#### 3.1 6dB and 26dB and 99% Occupied Bandwidth Measurement

##### 3.1.1 Description of 6dB and 26dB and 99% Occupied Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

26dB and 99% Occupied bandwidth are reporting only.

##### 3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

##### 3.1.3 Test Procedures

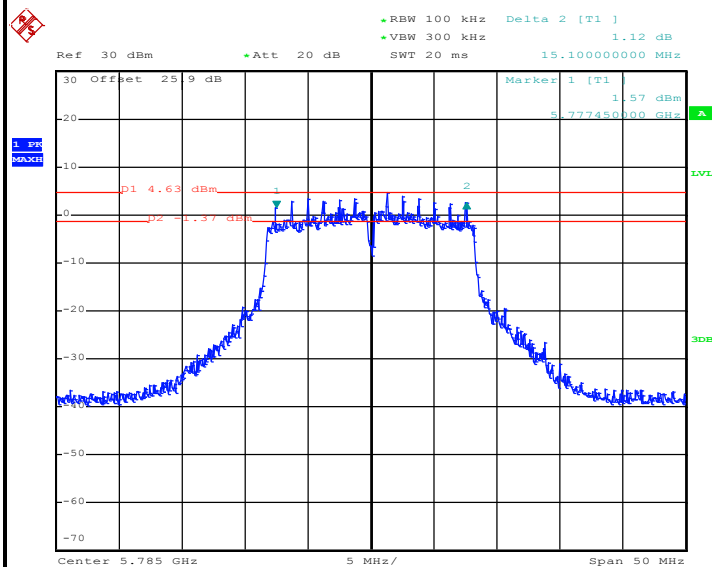
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
Section C) Emission bandwidth for the band 5.725-5.85GHz
2. Set RBW = 100kHz.
3. Set the VBW  $\geq 3 \times$  RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 6 dB down from the peak of the emission.
7. Measure and record the results in the test report.

##### 3.1.4 Test Setup

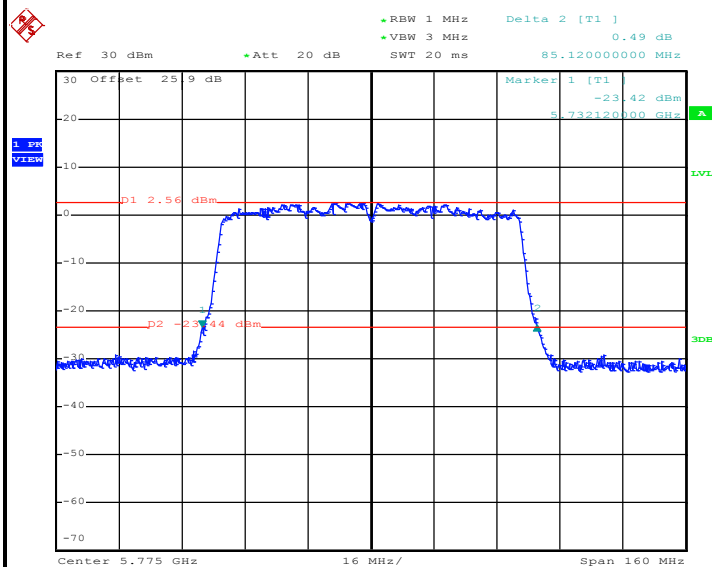


##### 3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

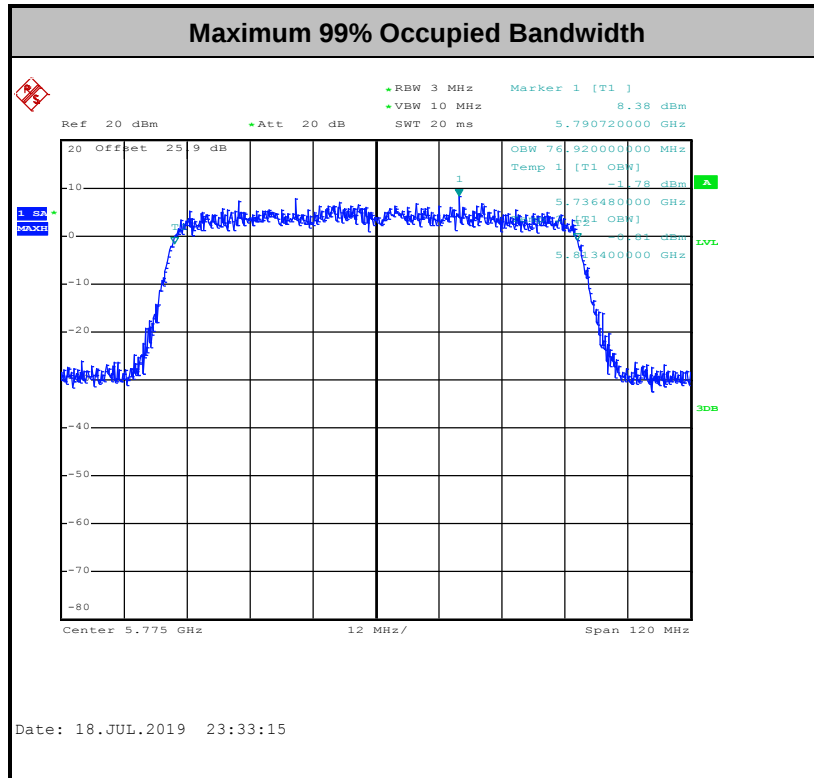
Please refer to Appendix A.

**Minimum 6dB Bandwidth**

Date: 18.JUL.2019 19:58:18

**Maximum 26dB Bandwidth**

Date: 18.JUL.2019 23:35:12



**Note:** The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

## 3.2 Maximum Conducted Output Power Measurement

### 3.2.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 3.2.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.2.3 Test Procedures

The testing follows Method PM-G of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 for TXBF modes.

Method PM-G (Measurement using a gated RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



### **3.3 Power Spectral Density Measurement**

#### **3.3.1 Limit of Power Spectral Density**

For the band 5.725–5.85 GHz, 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, the peak output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

#### **3.3.2 Measuring Instruments**

See list of measuring equipment of this test report.

#### **3.3.3 Test Procedures**

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
Section F) Maximum power spectral density.

##### **# Method SA-2 #**

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

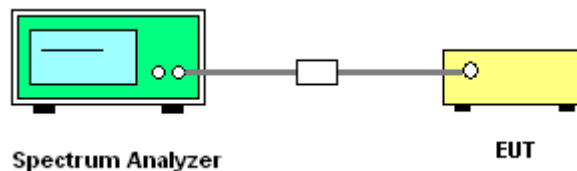
- Measure the duty cycle.
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz.
- Set VBW  $\geq$  1 MHz.
- Number of points in sweep  $\geq$  2 Span / RBW.
- Sweep time = auto.
- Detector = RMS
- Trace average at least 100 traces in power averaging mode.
- Add  $10 \log(500\text{kHz}/\text{RBW})$  to the test result.
- Add  $10 \log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add  $10 \log(1/0.25) = 6$  dB if the duty cycle is 25 percent.

1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (c): Measure and add  $10 \log(N_{\text{ANT}})$  dB.

With this technique, spectrum measurements are performed at each output of the device, but rather than summing the spectra or the spectral peaks across the outputs, the quantity  $10 \log(N_{\text{ANT}})$  dB is added to each spectrum value before comparing to the emission limit. The addition of  $10 \log(N_{\text{ANT}})$  dB serves to apportion the emission limit among the  $N_{\text{ANT}}$  outputs so that each output is permitted to contribute no more than  $1/N_{\text{ANT}}^{\text{th}}$  of the PSD limit.

### 3.3.4 Test Setup

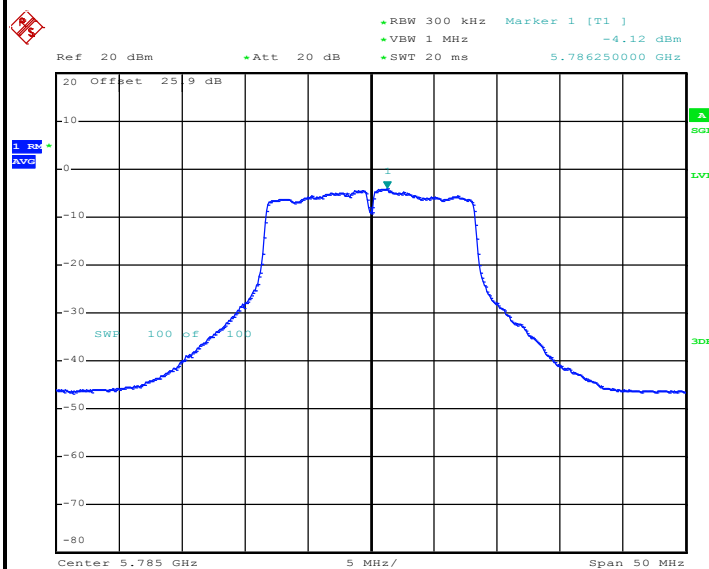


### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

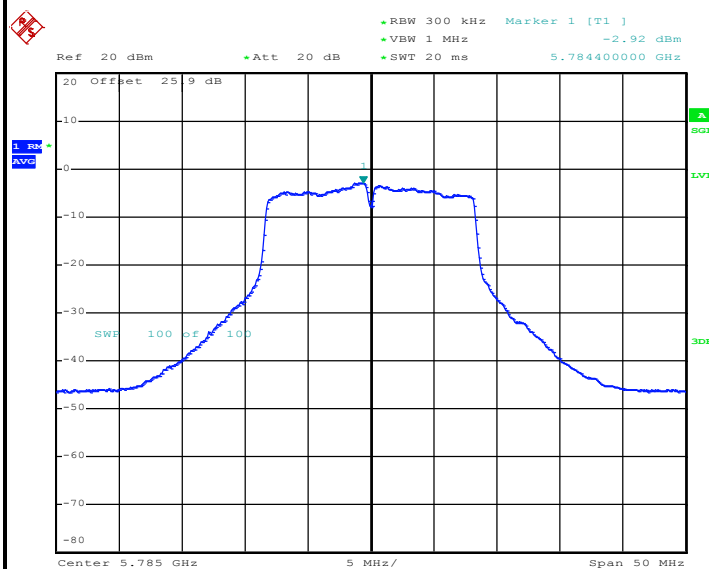


Worst Case Power Density (dBm/MHz) for MIMO Ant. 1



Date: 18.JUL.2019 20:41:59

Worst Case Power Density (dBm/MHz) for MIMO Ant. 2



Date: 18.JUL.2019 20:45:30

### 3.4 Unwanted Emissions Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

#### 3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5.725-5.85 GHz band:

15.407(b)(4)(i) 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.

- (2) Unwanted spurious emissions fallen in restricted bands shall comply with the general field strength limits as below table,

| Frequency<br>(MHz) | Field Strength<br>(microvolts/meter) | Measurement Distance<br>(meters) |
|--------------------|--------------------------------------|----------------------------------|
| 0.009 – 0.490      | 2400/F(kHz)                          | 300                              |
| 0.490 – 1.705      | 24000/F(kHz)                         | 30                               |
| 1.705 – 30.0       | 30                                   | 30                               |
| 30 – 88            | 100                                  | 3                                |
| 88 – 216           | 150                                  | 3                                |
| 216 - 960          | 200                                  | 3                                |
| Above 960          | 500                                  | 3                                |

**Note:** The following formula is used to convert the EIRP to field strength.

$$E = \frac{1000000\sqrt{30P}}{3} \quad \mu\text{V/m, where P is the eirp (Watts)}$$

| EIRP (dBm) | Field Strength at 3m (dBμV/m) |
|------------|-------------------------------|
| - 27       | 68.3                          |

(3) KDB789033 D02 v02r01 G)2)c)

- (i) Section 15.407(b)(1) to (b)(3) specify the unwanted emission limits for the U-NII-1 and U-NII-2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz.<sup>3</sup>
- (ii) Section 15.407(b)(4) specifies the unwanted emission limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are in terms of a Peak detector. An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the devices using the alternative limit.<sup>4</sup>

**Note 3:** An out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz peak emission limit.

**Note 4:** Only devices with antenna gains of 10 dBi or less may be approved using the emission limits specified in Section 15.247(d) till March 2, 2018; all other devices operating in this band must use the mask specified in Section 15.407(b)(4)(i).

### 3.4.2 Measuring Instruments

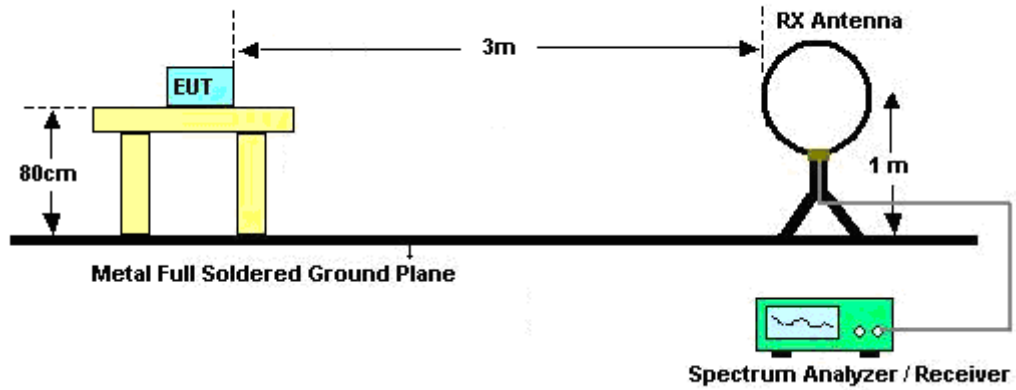
See list of measuring equipment of this test report.

### 3.4.3 Test Procedures

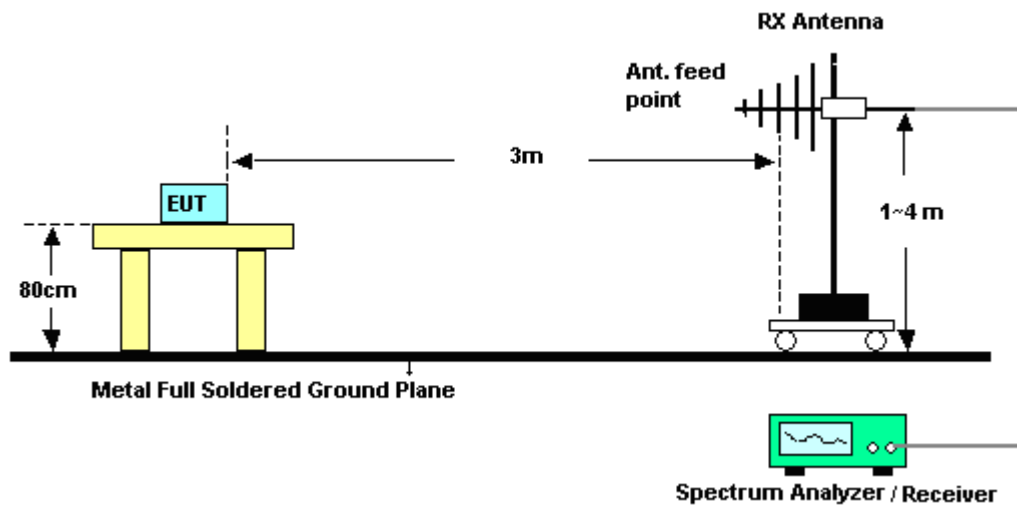
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
Section G) Unwanted emissions measurement.  
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
  - RBW = 120 kHz
  - VBW = 300 kHz
  - Detector = Peak
  - Trace mode = max hold  
(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
  - RBW = 1 MHz
  - VBW  $\geq$  3 MHz
  - Detector = Peak
  - Sweep time = auto
  - Trace mode = max hold  
(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz
  - RBW = 1 MHz
  - VBW = 10 Hz, when duty cycle is no less than 98 percent.
  - VBW  $\geq$  1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
7. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

### 3.4.4 Test Setup

For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



### 3.4.5 Test Results of Radiated Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

### 3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix C and D.

### 3.4.7 Duty Cycle

Please refer to Appendix E.

### 3.4.8 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix C and D.

### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of emission (MHz) | Conducted limit (dB $\mu$ V) |           |
|-----------------------------|------------------------------|-----------|
|                             | Quasi-peak                   | Average   |
| 0.15-0.5                    | 66 to 56*                    | 56 to 46* |
| 0.5-5                       | 56                           | 46        |
| 5-30                        | 60                           | 50        |

\*Decreases with the logarithm of the frequency.

#### 3.5.2 Measuring Instruments

See list of measuring equipment of this test report.

#### 3.5.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

## 3.6 Automatically Discontinue Transmission

### 3.6.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

### 3.6.2 Measuring Instruments

See list of measuring equipment of this test report.

### 3.6.3 Test Result of Automatically Discontinue Transmission

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

## 3.7 Antenna Requirements

### 3.7.1 Standard Applicable

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### 3.7.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

### 3.7.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain =  $G_{ANT}$  + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain =  $10 \log(N_{ANT}/N_{SS}=1)$  dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for  $N_{ANT} \leq 4$ .

Directional gain may be calculated by using the formulas applicable to equal gain antennas with  $G_{ANT}$  set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain  $G_{ANT}$  is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

The power and PSD limit should be modified if the directional gain of EUT is over 6 dBi,

The directional gain "DG" is calculated as following table.

| CDD Mode       | EUT Mode | Antenna Information |              |              |              | MMIO Gain    |            | Max Value    |            |
|----------------|----------|---------------------|--------------|--------------|--------------|--------------|------------|--------------|------------|
|                |          | Ant. 0 (dBi)        | Ant. 1 (dBi) | Ant. 2 (dBi) | Ant. 3 (dBi) | DG for Power | DG for PSD | DG for Power | DG for PSD |
| <b>Band IV</b> | Calling  | -0.2                | -            | -            | -1           | -0.2         | 2.42       | 2.20         | 4.09       |
|                | Camera   | -                   | -            | 2.2          | -1           | 2.2          | 3.76       |              |            |
|                | Gaming   | -0.2                | 1.3          | -            | -            | 1.3          | 3.59       |              |            |
|                | Normal   | -0.2                | -            | 2.2          | -            | 2.2          | 4.09       |              |            |

*Power Limit Reduction =  $DG(\text{Power}) - 6\text{dBi}$ , ( min = 0 )*

*PSD Limit Reduction =  $DG(\text{PSD}) - 6\text{dBi}$ , ( min = 0 )*

**Remark:** Use the max value composite gain in this report.



## 4 List of Measuring Equipment

| Instrument            | Manufacturer      | Model No.                       | Serial No.           | Characteristics                     | Calibration Date | Test Date                      | Due Date      | Remark                   |
|-----------------------|-------------------|---------------------------------|----------------------|-------------------------------------|------------------|--------------------------------|---------------|--------------------------|
| Power Sensor          | DARE              | RPR3006W                        | 13I00030S<br>NO32    | 9kHz~6GHz                           | Dec. 03, 2018    | May 15, 2019~<br>Jul. 18, 2019 | Dec. 02, 2019 | Conducted<br>(TH05-HY)   |
| Spectrum Analyzer     | Rohde & Schwarz   | FSP40                           | 100057               | 9kHz-40GHz                          | Nov. 21, 2018    | May 15, 2019~<br>Jul. 18, 2019 | Nov. 20, 2019 | Conducted<br>(TH05-HY)   |
| Switch Box & RF Cable | Burgeon           | ETF-058                         | EC120838<br>2        | N/A                                 | Mar. 27, 2019    | May 15, 2019~<br>Jul. 18, 2019 | Mar. 26, 2020 | Conducted<br>(TH05-HY)   |
| AC Power Source       | ChainTek          | APC-1000W                       | N/A                  | N/A                                 | N/A              | Jun. 14, 2019                  | N/A           | Conduction<br>(CO05-HY)  |
| EMI Test Receiver     | Rohde & Schwarz   | ESR3                            | 102388               | 9kHz~3.6GHz                         | Nov. 12, 2018    | Jun. 14, 2019                  | Nov. 11, 2019 | Conduction<br>(CO05-HY)  |
| LISN                  | Rohde & Schwarz   | ENV216                          | 100080               | 9kHz~30MHz                          | Nov. 14, 2018    | Jun. 14, 2019                  | Nov. 13, 2019 | Conduction<br>(CO05-HY)  |
| LISN                  | Rohde & Schwarz   | ENV216                          | 100081               | 9kHz~30MHz                          | Nov. 09, 2018    | Jun. 14, 2019                  | Nov. 08, 2019 | Conduction<br>(CO05-HY)  |
| Software              | Rohde & Schwarz   | EMC32<br>V10.30                 | N/A                  | N/A                                 | N/A              | Jun. 14, 2019                  | N/A           | Conduction<br>(CO05-HY)  |
| LF Cable              | HUBER +<br>SUHNER | RG-214/U                        | LF01                 | N/A                                 | Dec. 31, 2018    | Jun. 14, 2019                  | Dec. 30, 2019 | Conduction<br>(CO05-HY)  |
| Pulse Limiter         | Rohde & Schwarz   | ESH3-Z2                         | 100851               | N/A                                 | Dec. 31, 2018    | Jun. 14, 2019                  | Dec. 30, 2019 | Conduction<br>(CO05-HY)  |
| Loop Antenna          | Rohde & Schwarz   | HFH2-Z2                         | 100315               | 9 kHz~30 MHz                        | Jan. 11, 2019    | May 22, 2019~<br>Jun. 27, 2019 | Jan. 10, 2020 | Radiation<br>(03CH16-HY) |
| Bilog Antenna         | TESEQ             | CBL6111D&0<br>0802N1D01N-<br>06 | 47020&06             | 30MHz to 1GHz                       | Oct. 13, 2018    | May 22, 2019~<br>Jun. 27, 2019 | Oct. 12, 2019 | Radiation<br>(03CH16-HY) |
| Horn Antenna          | SCHWARZBE<br>CK   | BBHA 9120 D                     | 9120D-152<br>2       | 1G~18GHz                            | Sep. 07, 2018    | May 22, 2019~<br>Jun. 27, 2019 | Sep. 06, 2019 | Radiation<br>(03CH16-HY) |
| SHF-EHF Horn Antenna  | SCHWARZBE<br>CK   | BBHA 9170                       | BBHA9170<br>251      | 18GHz ~ 40GHz                       | Nov. 20, 2018    | May 22, 2019~<br>Jun. 27, 2019 | Nov. 19, 2019 | Radiation<br>(03CH16-HY) |
| Amplifier             | SONOMA            | 310N                            | 371607               | 9kHz~1000MHZ                        | Oct. 02, 2018    | May 22, 2019~<br>Jun. 27, 2019 | Oct. 01, 2019 | Radiation<br>(03CH16-HY) |
| Preamplifier          | Jet-Power         | JPA0118-55-3<br>03              | 171000180<br>0055007 | 1GHz~18GHz                          | Apr. 01, 2019    | May 22, 2019~<br>Jun. 27, 2019 | Mar. 31, 2020 | Radiation<br>(03CH16-HY) |
| Preamplifier          | Keysight          | 83017A                          | MY532702<br>64       | 1GHz~26.5GHz                        | Dec. 12, 2018    | May 22, 2019~<br>Jun. 27, 2019 | Dec.11, 2019  | Radiation<br>(03CH16-HY) |
| Amplifier             | MITEQ             | TTA1840-35-<br>HG               | 1871923              | 18GHz~40GHz,<br>VSWR : 2.5:1<br>max | Jul. 16, 2018    | May 22, 2019~<br>Jun. 27, 2019 | Jul. 15, 2019 | Radiation<br>(03CH16-HY) |
| EMI Test Receiver     | Keysight          | N9038A<br>(MXE)                 | MY572901<br>11       | 3Hz~26.5GHz                         | Nov. 29, 2018    | May 22, 2019~<br>Jun. 27, 2019 | Nov. 28, 2019 | Radiation<br>(03CH16-HY) |
| Spectrum Analyzer     | Agilent           | N9010A                          | MY542004<br>86       | 10Hz~44GHz                          | Oct. 19, 2018    | May 22, 2019~<br>Jun. 27, 2019 | Oct. 18, 2019 | Radiation<br>(03CH16-HY) |
| RF Cable              | HUBER +<br>SUHNER | SUCOFLEX<br>126E                | MY1082/2<br>6EA      | 30M-18G                             | Oct. 15, 2018    | May 22, 2019~<br>Jun. 27, 2019 | Oct. 14, 2019 | Radiation<br>(03CH16-HY) |
| RF Cable              | HUBER +<br>SUHNER | SUCOFLEX<br>104                 | MY15539/<br>4        | 30M-18G                             | Feb. 26, 2019    | May 22, 2019~<br>Jun. 27, 2019 | Feb. 25, 2020 | Radiation<br>(03CH16-HY) |
| RF Cable              | HUBER +<br>SUHNER | SUCOFLEX<br>104                 | MY36980/<br>4        | 30M~18GHz                           | Apr. 15, 2019    | May 22, 2019~<br>Jun. 27, 2019 | Apr. 14, 2020 | Radiation<br>(03CH16-HY) |
| Software              | Audix             | E3<br>6.2009-8-24               | RK-001136            | N/A                                 | N/A              | May 22, 2019~<br>Jun. 27, 2019 | N/A           | Radiation<br>(03CH16-HY) |



## 5 Uncertainty of Evaluation

### Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.20 |
|-------------------------------------------------------------------------|------|

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.90 |
|-------------------------------------------------------------------------|------|

### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.80 |
|-------------------------------------------------------------------------|------|

### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

|                                                                         |      |
|-------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.90 |
|-------------------------------------------------------------------------|------|

**Appendix A. Test Result of Conducted Test Items**

|                |                 |                    |       |    |
|----------------|-----------------|--------------------|-------|----|
| Test Engineer: | CreedWu         | Temperature:       | 21~25 | °C |
| Test Date:     | 2019/5/15~07/18 | Relative Humidity: | 51~54 | %  |

**TEST RESULTS DATA**  
**6dB and 26dB EBW and 99% OBW**

| Band IV |           |                 |     |             |                     |       |                      |       |                      |       |                                 |           |
|---------|-----------|-----------------|-----|-------------|---------------------|-------|----------------------|-------|----------------------|-------|---------------------------------|-----------|
| Mod.    | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26dB Bandwidth (MHz) |       | 6 dB Bandwidth (MHz) |       | 6 dB Bandwidth Min. Limit (MHz) | Pass/Fail |
|         |           |                 |     |             | Ant 1               | Ant 2 | Ant 1                | Ant 2 | Ant 1                | Ant 2 |                                 |           |
| 11a     | 6Mbps     | 1               | 149 | 5745        | 16.80               | 16.65 | 24.55                | 24.50 | 15.50                | 15.50 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 1               | 157 | 5785        | 16.70               | 16.75 | 24.05                | 24.55 | 15.10                | 15.30 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 1               | 165 | 5825        | 16.70               | 16.70 | 24.10                | 24.30 | 15.30                | 15.20 | 0.5                             | Pass      |
| HT20    | MCS0      | 1               | 149 | 5745        | 17.90               | 17.85 | 26.00                | 25.70 | 15.95                | 16.80 | 0.5                             | Pass      |
| HT20    | MCS0      | 1               | 157 | 5785        | 17.90               | 17.90 | 26.00                | 25.55 | 15.95                | 15.10 | 0.5                             | Pass      |
| HT20    | MCS0      | 1               | 165 | 5825        | 17.85               | 17.90 | 26.10                | 25.45 | 16.00                | 16.75 | 0.5                             | Pass      |
| HT40    | MCS0      | 1               | 151 | 5755        | 36.70               | 36.60 | 41.94                | 41.83 | 35.73                | 35.36 | 0.5                             | Pass      |
| HT40    | MCS0      | 1               | 159 | 5795        | 36.50               | 36.60 | 41.94                | 41.94 | 35.12                | 35.59 | 0.5                             | Pass      |
| VHT80   | MCS0      | 1               | 155 | 5775        | 76.92               | 76.80 | 84.80                | 84.36 | 75.20                | 75.20 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 2               | 149 | 5745        | 16.70               | 16.65 | 24.55                | 23.85 | 15.55                | 15.10 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 2               | 157 | 5785        | 16.70               | 16.70 | 24.75                | 24.95 | 15.50                | 15.40 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 2               | 165 | 5825        | 16.70               | 16.60 | 24.80                | 23.90 | 15.30                | 15.10 | 0.5                             | Pass      |
| HT20    | MCS0      | 2               | 149 | 5745        | 17.95               | 17.80 | 26.35                | 25.50 | 16.50                | 15.95 | 0.5                             | Pass      |
| HT20    | MCS0      | 2               | 157 | 5785        | 17.85               | 17.85 | 26.05                | 25.45 | 16.75                | 16.00 | 0.5                             | Pass      |
| HT20    | MCS0      | 2               | 165 | 5825        | 17.95               | 17.85 | 26.55                | 25.25 | 16.75                | 15.95 | 0.5                             | Pass      |
| HT40    | MCS0      | 2               | 151 | 5755        | 36.70               | 36.50 | 42.00                | 41.94 | 35.13                | 35.72 | 0.5                             | Pass      |
| HT40    | MCS0      | 2               | 159 | 5795        | 36.50               | 36.60 | 41.76                | 42.12 | 35.01                | 35.55 | 0.5                             | Pass      |
| VHT80   | MCS0      | 2               | 155 | 5775        | 76.92               | 76.80 | 85.12                | 82.88 | 73.92                | 75.20 | 0.5                             | Pass      |

**TEST RESULTS DATA**  
**Average Power Table**

| Band IV |           |                 |     |             |                               |       |       |                                 |       |          |       |           |
|---------|-----------|-----------------|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.    | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|         |           |                 |     |             | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| 11a     | 6Mbps     | 1               | 149 | 5745        | 14.60                         | 14.70 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| 11a     | 6Mbps     | 1               | 157 | 5785        | 14.90                         | 15.00 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| 11a     | 6Mbps     | 1               | 165 | 5825        | 14.80                         | 14.90 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| HT20    | MCS0      | 1               | 149 | 5745        | 14.90                         | 14.60 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| HT20    | MCS0      | 1               | 157 | 5785        | 14.70                         | 14.90 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| HT20    | MCS0      | 1               | 165 | 5825        | 14.70                         | 14.80 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| HT40    | MCS0      | 1               | 151 | 5755        | 14.90                         | 14.70 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| HT40    | MCS0      | 1               | 159 | 5795        | 14.80                         | 14.90 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| VHT20   | MCS0      | 1               | 149 | 5745        | 14.80                         | 14.50 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| VHT20   | MCS0      | 1               | 157 | 5785        | 14.60                         | 14.80 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| VHT20   | MCS0      | 1               | 165 | 5825        | 14.60                         | 14.70 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| VHT40   | MCS0      | 1               | 151 | 5755        | 14.80                         | 14.60 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| VHT40   | MCS0      | 1               | 159 | 5795        | 14.70                         | 14.80 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| VHT80   | MCS0      | 1               | 155 | 5775        | 14.90                         | 14.90 |       | 30.00                           | 30.00 | -0.20    | 2.20  | Pass      |
| 11a     | 6Mbps     | 2               | 149 | 5745        | 11.20                         | 12.10 | 14.68 | 30.00                           |       | 2.20     |       | Pass      |
| 11a     | 6Mbps     | 2               | 157 | 5785        | 11.60                         | 12.30 | 14.97 | 30.00                           |       | 2.20     |       | Pass      |
| 11a     | 6Mbps     | 2               | 165 | 5825        | 11.50                         | 12.30 | 14.93 | 30.00                           |       | 2.20     |       | Pass      |
| HT20    | MCS0      | 2               | 149 | 5745        | 11.60                         | 12.30 | 14.97 | 30.00                           |       | 2.20     |       | Pass      |
| HT20    | MCS0      | 2               | 157 | 5785        | 11.50                         | 12.30 | 14.93 | 30.00                           |       | 2.20     |       | Pass      |
| HT20    | MCS0      | 2               | 165 | 5825        | 11.30                         | 12.10 | 14.73 | 30.00                           |       | 2.20     |       | Pass      |
| HT40    | MCS0      | 2               | 151 | 5755        | 11.20                         | 12.20 | 14.74 | 30.00                           |       | 2.20     |       | Pass      |
| HT40    | MCS0      | 2               | 159 | 5795        | 11.30                         | 11.90 | 14.62 | 30.00                           |       | 2.20     |       | Pass      |
| VHT20   | MCS0      | 2               | 149 | 5745        | 11.50                         | 12.30 | 14.93 | 30.00                           |       | 2.20     |       | Pass      |
| VHT20   | MCS0      | 2               | 157 | 5785        | 11.40                         | 12.30 | 14.88 | 30.00                           |       | 2.20     |       | Pass      |
| VHT20   | MCS0      | 2               | 165 | 5825        | 11.20                         | 12.10 | 14.68 | 30.00                           |       | 2.20     |       | Pass      |
| VHT40   | MCS0      | 2               | 151 | 5755        | 11.10                         | 12.10 | 14.64 | 30.00                           |       | 2.20     |       | Pass      |
| VHT40   | MCS0      | 2               | 159 | 5795        | 11.20                         | 11.80 | 14.52 | 30.00                           |       | 2.20     |       | Pass      |
| VHT80   | MCS0      | 2               | 155 | 5775        | 11.20                         | 12.00 | 14.63 | 30.00                           |       | 2.20     |       | Pass      |

**TEST RESULTS DATA**  
**Power Spectral Density**

| Band IV |           |                 |     |             |                  |       |                                 |       |                                    |       |       |                                |       |          |       |            |
|---------|-----------|-----------------|-----|-------------|------------------|-------|---------------------------------|-------|------------------------------------|-------|-------|--------------------------------|-------|----------|-------|------------|
| Mod.    | Data Rate | N <sub>TX</sub> | CH. | Freq. (MHz) | Duty Factor (dB) |       | 10log (500kHz /RBW) Factor (dB) |       | Average Power Density (dBm/500kHz) |       |       | Average PSD Limit (dBm/500kHz) |       | DG (dBi) |       | Pass /Fail |
|         |           |                 |     |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | Ant 1                              | Ant 2 | SUM   | Ant 1                          | Ant 2 | Ant 1    | Ant 2 |            |
| 11a     | 6Mbps     | 1               | 149 | 5745        | 0.09             | 0.10  | 2.22                            | 2.22  | 1.27                               | 1.61  |       | 30.00                          | 30.00 | -0.20    | 2.20  | Pass       |
| 11a     | 6Mbps     | 1               | 157 | 5785        | 0.09             | 0.10  | 2.22                            | 2.22  | 1.32                               | 1.91  |       | 30.00                          | 30.00 | -0.20    | 2.20  | Pass       |
| 11a     | 6Mbps     | 1               | 165 | 5825        | 0.09             | 0.10  | 2.22                            | 2.22  | 1.12                               | 1.71  |       | 30.00                          | 30.00 | -0.20    | 2.20  | Pass       |
| HT20    | MCS0      | 1               | 149 | 5745        | 0.09             | 0.09  | 2.22                            | 2.22  | 1.15                               | 1.07  |       | 30.00                          | 30.00 | -0.20    | 2.20  | Pass       |
| HT20    | MCS0      | 1               | 157 | 5785        | 0.09             | 0.09  | 2.22                            | 2.22  | 0.85                               | 1.41  |       | 30.00                          | 30.00 | -0.20    | 2.20  | Pass       |
| HT20    | MCS0      | 1               | 165 | 5825        | 0.09             | 0.09  | 2.22                            | 2.22  | 0.68                               | 1.10  |       | 30.00                          | 30.00 | -0.20    | 2.20  | Pass       |
| HT40    | MCS0      | 1               | 151 | 5755        | 0.17             | 0.18  | 2.22                            | 2.22  | -1.90                              | -1.83 |       | 30.00                          | 30.00 | -0.20    | 2.20  | Pass       |
| HT40    | MCS0      | 1               | 159 | 5795        | 0.17             | 0.18  | 2.22                            | 2.22  | -1.91                              | -1.74 |       | 30.00                          | 30.00 | -0.20    | 2.20  | Pass       |
| VHT80   | MCS0      | 1               | 155 | 5775        | 0.30             | 0.30  | 2.22                            | 2.22  | -5.08                              | -4.93 |       | 30.00                          | 30.00 | -0.20    | 2.20  | Pass       |
| 11a     | 6Mbps     | 2               | 149 | 5745        | 0.09             | 0.09  | 2.22                            |       | -2.56                              | -1.11 | 1.90  | 30.00                          |       | 4.09     |       | Pass       |
| 11a     | 6Mbps     | 2               | 157 | 5785        | 0.09             | 0.09  | 2.22                            |       | -1.81                              | -0.61 | 2.40  | 30.00                          |       | 4.09     |       | Pass       |
| 11a     | 6Mbps     | 2               | 165 | 5825        | 0.09             | 0.09  | 2.22                            |       | -2.06                              | -0.71 | 2.30  | 30.00                          |       | 4.09     |       | Pass       |
| HT20    | MCS0      | 2               | 149 | 5745        | 0.10             | 0.09  | 2.22                            |       | -1.93                              | -0.62 | 2.39  | 30.00                          |       | 4.09     |       | Pass       |
| HT20    | MCS0      | 2               | 157 | 5785        | 0.10             | 0.09  | 2.22                            |       | -2.30                              | -1.12 | 1.89  | 30.00                          |       | 4.09     |       | Pass       |
| HT20    | MCS0      | 2               | 165 | 5825        | 0.10             | 0.09  | 2.22                            |       | -2.79                              | -1.37 | 1.64  | 30.00                          |       | 4.09     |       | Pass       |
| HT40    | MCS0      | 2               | 151 | 5755        | 0.17             | 0.36  | 2.22                            |       | -5.10                              | -4.02 | -1.01 | 30.00                          |       | 4.09     |       | Pass       |
| HT40    | MCS0      | 2               | 159 | 5795        | 0.17             | 0.36  | 2.22                            |       | -5.64                              | -4.31 | -1.30 | 30.00                          |       | 4.09     |       | Pass       |
| VHT80   | MCS0      | 2               | 155 | 5775        | 0.34             | 0.38  | 2.22                            |       | -8.48                              | -7.38 | -4.37 | 30.00                          |       | 4.09     |       | Pass       |

Note: PSD Sum = Max PSD(Ant. 1, Ant. 2) + 10 log (n)



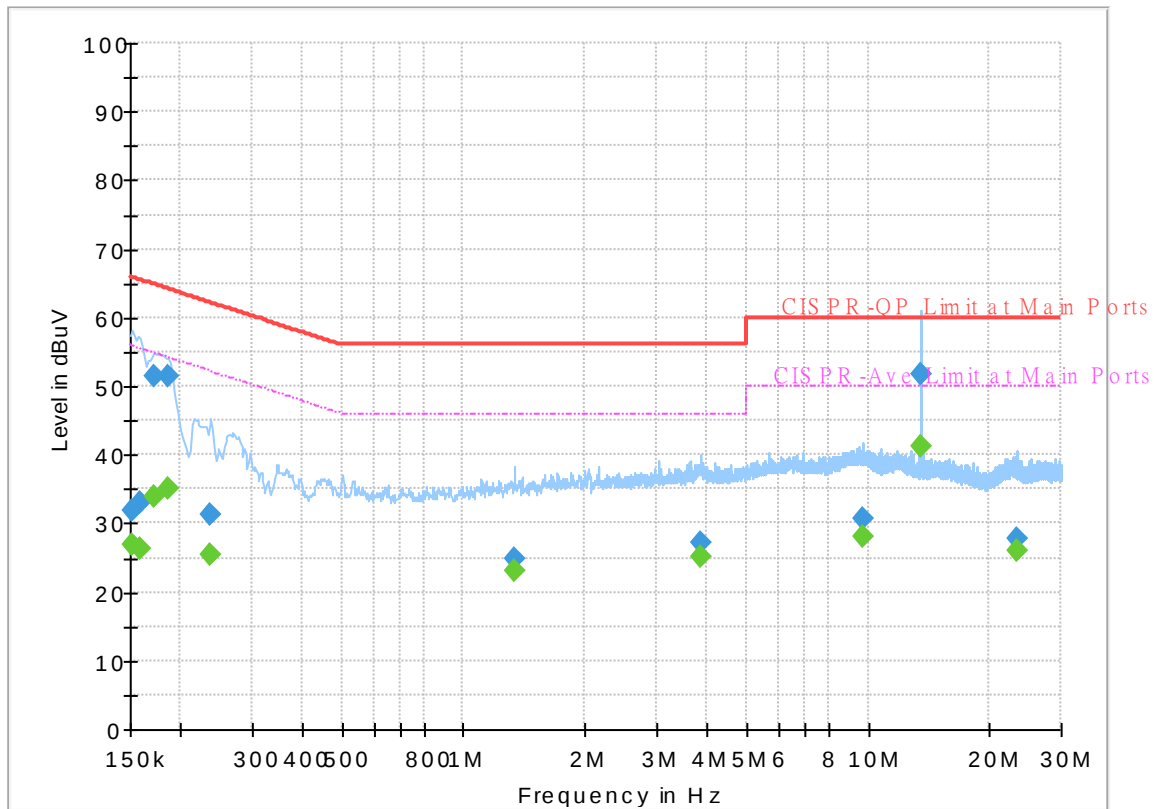
## **Appendix B. AC Conducted Emission Test Results**

|                        |             |                            |        |
|------------------------|-------------|----------------------------|--------|
| <b>Test Engineer :</b> | Jimmy Chang | <b>Temperature :</b>       | 24~26℃ |
|                        |             | <b>Relative Humidity :</b> | 53~55% |

# EUT Information

Report NO : 931316  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



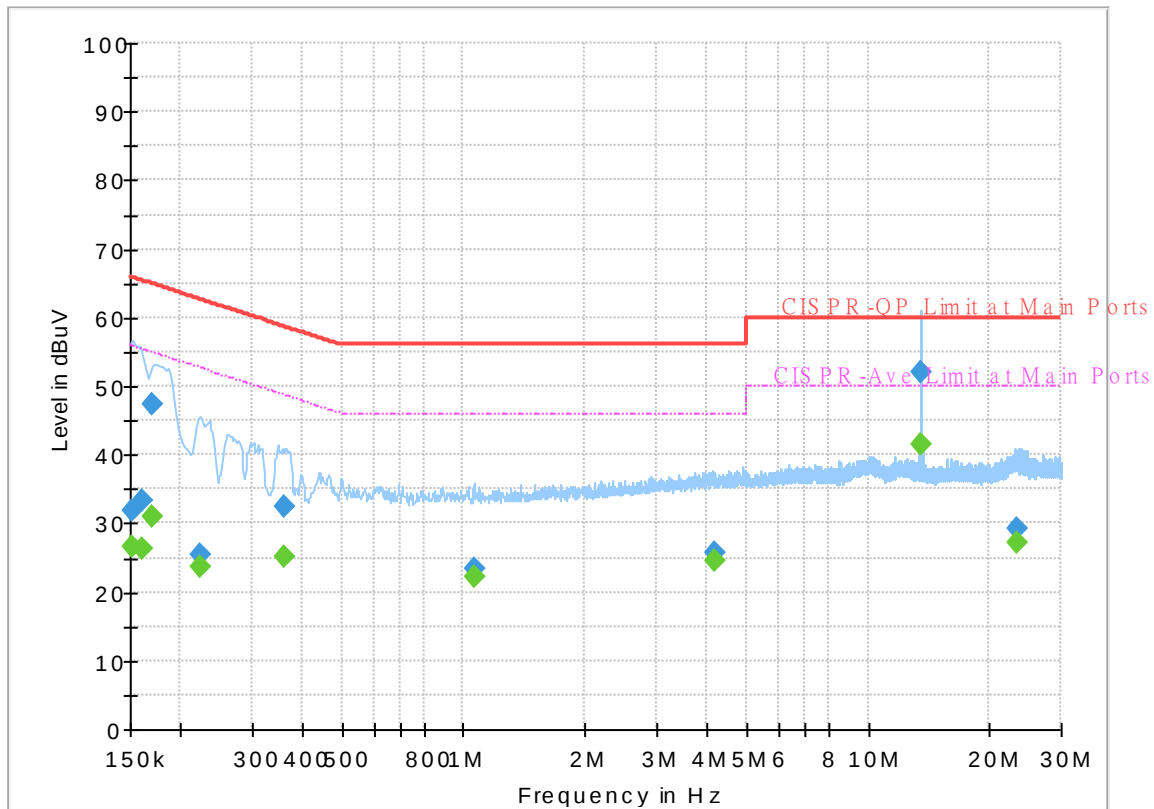
## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250        | ---              | 26.84           | 55.88        | 29.04       | L1   | OFF    | 19.5       |
| 0.152250        | 31.95            | ---             | 65.88        | 33.93       | L1   | OFF    | 19.5       |
| 0.159000        | ---              | 26.28           | 55.52        | 29.24       | L1   | OFF    | 19.5       |
| 0.159000        | 33.10            | ---             | 65.52        | 32.42       | L1   | OFF    | 19.5       |
| 0.172500        | ---              | 33.92           | 54.84        | 20.92       | L1   | OFF    | 19.5       |
| 0.172500        | 51.56            | ---             | 64.84        | 13.28       | L1   | OFF    | 19.5       |
| 0.186000        | ---              | 35.00           | 54.21        | 19.21       | L1   | OFF    | 19.5       |
| 0.186000        | 51.39            | ---             | 64.21        | 12.82       | L1   | OFF    | 19.5       |
| 0.237750        | ---              | 25.54           | 52.17        | 26.63       | L1   | OFF    | 19.5       |
| 0.237750        | 31.21            | ---             | 62.17        | 30.96       | L1   | OFF    | 19.5       |
| 1.340250        | ---              | 23.23           | 46.00        | 22.77       | L1   | OFF    | 19.6       |
| 1.340250        | 24.73            | ---             | 56.00        | 31.27       | L1   | OFF    | 19.6       |
| 3.862500        | ---              | 25.25           | 46.00        | 20.75       | L1   | OFF    | 19.7       |
| 3.862500        | 27.09            | ---             | 56.00        | 28.91       | L1   | OFF    | 19.7       |
| 9.672000        | ---              | 28.01           | 50.00        | 21.99       | L1   | OFF    | 19.9       |
| 9.672000        | 30.71            | ---             | 60.00        | 29.29       | L1   | OFF    | 19.9       |
| 13.560000       | ---              | 41.28           | 50.00        | 8.72        | L1   | OFF    | 20.0       |
| 13.560000       | 51.77            | ---             | 60.00        | 8.23        | L1   | OFF    | 20.0       |
| 23.282250       | ---              | 26.16           | 50.00        | 23.84       | L1   | OFF    | 20.3       |
| 23.282250       | 27.78            | ---             | 60.00        | 32.22       | L1   | OFF    | 20.3       |

## EUT Information

Report NO : 931316  
Test Mode : Mode 1  
Test Voltage : 120Vac/60Hz  
Phase : Neutral

Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250        | ---              | 26.75           | 55.88        | 29.13       | N    | OFF    | 19.5       |
| 0.152250        | 31.73            | ---             | 65.88        | 34.15       | N    | OFF    | 19.5       |
| 0.161250        | ---              | 26.20           | 55.40        | 29.20       | N    | OFF    | 19.5       |
| 0.161250        | 33.39            | ---             | 65.40        | 32.01       | N    | OFF    | 19.5       |
| 0.170250        | ---              | 30.91           | 54.95        | 24.04       | N    | OFF    | 19.5       |
| 0.170250        | 47.37            | ---             | 64.95        | 17.58       | N    | OFF    | 19.5       |
| 0.224250        | ---              | 23.80           | 52.66        | 28.86       | N    | OFF    | 19.5       |
| 0.224250        | 25.41            | ---             | 62.66        | 37.25       | N    | OFF    | 19.5       |
| 0.361500        | ---              | 25.08           | 48.69        | 23.61       | N    | OFF    | 19.5       |
| 0.361500        | 32.58            | ---             | 58.69        | 26.11       | N    | OFF    | 19.5       |
| 1.061250        | ---              | 22.35           | 46.00        | 23.65       | N    | OFF    | 19.6       |
| 1.061250        | 23.49            | ---             | 56.00        | 32.51       | N    | OFF    | 19.6       |
| 4.168500        | ---              | 24.55           | 46.00        | 21.45       | N    | OFF    | 19.7       |
| 4.168500        | 25.84            | ---             | 56.00        | 30.16       | N    | OFF    | 19.7       |
| 13.560000       | ---              | 41.53           | 50.00        | 8.47        | N    | OFF    | 20.1       |
| 13.560000       | 52.09            | ---             | 60.00        | 7.91        | N    | OFF    | 20.1       |
| 23.223750       | ---              | 27.17           | 50.00        | 22.83       | N    | OFF    | 20.4       |
| 23.223750       | 29.26            | ---             | 60.00        | 30.74       | N    | OFF    | 20.4       |



## Appendix C. Radiated Spurious Emission

|                 |                                    |                     |         |
|-----------------|------------------------------------|---------------------|---------|
| Test Engineer : | Jacky Hung, Austin Li, and CR Liao | Temperature :       | 20~25°C |
|                 |                                    | Relative Humidity : | 50~60%  |

&lt;Calling Mode&gt;

## Band 4 - 5725~5850MHz

## WIFI 802.11a (Band Edge @ 3m)

| WIFI Ant.                    | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 0                            |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |      | 5648      | 55.12      | -13.08     | 68.2       | 38.61      | 32.53          | 13.79     | 29.81         | 260     | 66        | P         | H       |
|                              |      | 5696.6    | 56.91      | -45.78     | 102.69     | 40.19      | 32.63          | 13.92     | 29.83         | 260     | 66        | P         | H       |
|                              |      | 5713      | 58.28      | -50.56     | 108.84     | 41.48      | 32.67          | 13.97     | 29.84         | 260     | 66        | P         | H       |
|                              |      | 5723.8    | 62.51      | -56.95     | 119.46     | 45.68      | 32.69          | 13.99     | 29.85         | 260     | 66        | P         | H       |
|                              | *    | 5745      | 112.09     | -          | -          | 95.16      | 32.74          | 14.05     | 29.86         | 260     | 66        | P         | H       |
|                              | *    | 5745      | 104.5      | -          | -          | 87.57      | 32.74          | 14.05     | 29.86         | 260     | 66        | A         | H       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |      | 5615.4    | 54.97      | -13.23     | 68.2       | 38.62      | 32.45          | 13.7      | 29.8          | 100     | 86        | P         | V       |
|                              |      | 5688.2    | 55.74      | -40.76     | 96.5       | 39.06      | 32.61          | 13.9      | 29.83         | 100     | 86        | P         | V       |
|                              |      | 5712.6    | 56.26      | -52.47     | 108.73     | 39.47      | 32.67          | 13.96     | 29.84         | 100     | 86        | P         | V       |
|                              |      | 5724.2    | 58.17      | -62.21     | 120.38     | 41.33      | 32.69          | 14        | 29.85         | 100     | 86        | P         | V       |
|                              | *    | 5745      | 107.01     | -          | -          | 90.08      | 32.74          | 14.05     | 29.86         | 100     | 86        | P         | V       |
|                              | *    | 5745      | 99.56      | -          | -          | 82.63      | 32.74          | 14.05     | 29.86         | 100     | 86        | A         | V       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | V       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | V       |



| WIFI<br>Ant.<br>0            | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 157<br>5785MHz |      | 5623.8               | 55.09               | -13.11                  | 68.2                        | 38.7                      | 32.47                         | 13.72                  | 29.8                       | 271                  | 67                      | P                       | H               |
|                              |      | 5682.6               | 55.14               | -37.22                  | 92.36                       | 38.49                     | 32.6                          | 13.88                  | 29.83                      | 271                  | 67                      | P                       | H               |
|                              |      | 5716.2               | 56.59               | -53.15                  | 109.74                      | 39.78                     | 32.68                         | 13.97                  | 29.84                      | 271                  | 67                      | P                       | H               |
|                              |      | 5720.2               | 56.45               | -54.81                  | 111.26                      | 39.64                     | 32.68                         | 13.98                  | 29.85                      | 271                  | 67                      | P                       | H               |
|                              | *    | 5785                 | 112.15              | -                       | -                           | 95.04                     | 32.83                         | 14.16                  | 29.88                      | 271                  | 67                      | P                       | H               |
|                              | *    | 5785                 | 104.62              | -                       | -                           | 87.51                     | 32.83                         | 14.16                  | 29.88                      | 271                  | 67                      | A                       | H               |
|                              |      | 5851.8               | 55.98               | -62.12                  | 118.1                       | 38.89                     | 32.97                         | 14.03                  | 29.91                      | 271                  | 67                      | P                       | H               |
|                              |      | 5857.4               | 56.5                | -53.63                  | 110.13                      | 39.41                     | 32.99                         | 14.01                  | 29.91                      | 271                  | 67                      | P                       | H               |
|                              |      | 5875.8               | 56.25               | -48.36                  | 104.61                      | 39.19                     | 33.03                         | 13.95                  | 29.92                      | 271                  | 67                      | P                       | H               |
|                              |      | 5938.6               | 55.76               | -12.44                  | 68.2                        | 38.81                     | 33.16                         | 13.74                  | 29.95                      | 271                  | 67                      | P                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5608.4               | 55.26               | -12.94                  | 68.2                        | 38.93                     | 32.44                         | 13.68                  | 29.79                      | 101                  | 85                      | P                       | V               |
|                              |      | 5662.2               | 55.28               | -21.98                  | 77.26                       | 38.71                     | 32.56                         | 13.83                  | 29.82                      | 101                  | 85                      | P                       | V               |
|                              |      | 5717.8               | 55                  | -55.18                  | 110.18                      | 38.18                     | 32.68                         | 13.98                  | 29.84                      | 101                  | 85                      | P                       | V               |
|                              |      | 5724                 | 55.36               | -64.56                  | 119.92                      | 38.53                     | 32.69                         | 13.99                  | 29.85                      | 101                  | 85                      | P                       | V               |
|                              | *    | 5785                 | 107.79              | -                       | -                           | 90.68                     | 32.83                         | 14.16                  | 29.88                      | 101                  | 85                      | P                       | V               |
|                              | *    | 5785                 | 100.2               | -                       | -                           | 83.09                     | 32.83                         | 14.16                  | 29.88                      | 101                  | 85                      | A                       | V               |
|                              |      | 5852.4               | 55.92               | -60.81                  | 116.73                      | 38.83                     | 32.98                         | 14.02                  | 29.91                      | 101                  | 85                      | P                       | V               |
|                              |      | 5864.6               | 55.76               | -52.35                  | 108.11                      | 38.7                      | 33                            | 13.98                  | 29.92                      | 101                  | 85                      | P                       | V               |
|                              |      | 5920.4               | 55.69               | -15.9                   | 71.59                       | 38.71                     | 33.12                         | 13.8                   | 29.94                      | 101                  | 85                      | P                       | V               |
|                              |      | 5948                 | 55.6                | -12.6                   | 68.2                        | 38.67                     | 33.19                         | 13.7                   | 29.96                      | 101                  | 85                      | P                       | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>0                     | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b> | *                                                            | 5825                 | 111.7               | -                       | -                           | 94.56                   | 32.92                         | 14.12                  | 29.9                       | 268                  | 66                      | P                     | H             |
|                                       | *                                                            | 5825                 | 104.14              | -                       | -                           | 87                      | 32.92                         | 14.12                  | 29.9                       | 268                  | 66                      | A                     | H             |
|                                       |                                                              | 5854.8               | 57.86               | -53.4                   | 111.26                      | 40.77                   | 32.98                         | 14.02                  | 29.91                      | 268                  | 66                      | P                     | H             |
|                                       |                                                              | 5857                 | 57.53               | -52.71                  | 110.24                      | 40.44                   | 32.99                         | 14.01                  | 29.91                      | 268                  | 66                      | P                     | H             |
|                                       |                                                              | 5882.6               | 56.92               | -42.64                  | 99.56                       | 39.88                   | 33.04                         | 13.92                  | 29.92                      | 268                  | 66                      | P                     | H             |
|                                       |                                                              | 5928.2               | 56.03               | -12.17                  | 68.2                        | 39.07                   | 33.14                         | 13.77                  | 29.95                      | 268                  | 66                      | P                     | H             |
|                                       |                                                              |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |                                                              |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       | *                                                            | 5825                 | 108.12              | -                       | -                           | 90.98                   | 32.92                         | 14.12                  | 29.9                       | 100                  | 86                      | P                     | V             |
|                                       | *                                                            | 5825                 | 99.95               | -                       | -                           | 82.81                   | 32.92                         | 14.12                  | 29.9                       | 100                  | 86                      | A                     | V             |
|                                       |                                                              | 5850.8               | 56.87               | -63.51                  | 120.38                      | 39.78                   | 32.97                         | 14.03                  | 29.91                      | 100                  | 86                      | P                     | V             |
|                                       |                                                              | 5857.4               | 56.07               | -54.06                  | 110.13                      | 38.98                   | 32.99                         | 14.01                  | 29.91                      | 100                  | 86                      | P                     | V             |
|                                       |                                                              | 5913.2               | 56                  | -20.9                   | 76.9                        | 39.01                   | 33.11                         | 13.82                  | 29.94                      | 100                  | 86                      | P                     | V             |
|                                       |                                                              | 5935.4               | 55.09               | -13.11                  | 68.2                        | 38.13                   | 33.16                         | 13.75                  | 29.95                      | 100                  | 86                      | P                     | V             |
|                                       |                                                              |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |                                                              |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |                                                              |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| <b>Remark</b>                         | 1. No other spurious found.                                  |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
|                                       | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 4 5725~5850MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI                         | Note                                                         | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                         |                                                              |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0                            |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11a<br>CH 149<br>5745MHz |                                                              | 11490     | 59.93      | -14.07 | 74         | 64.04  | 39.71    | 18.37  | 62.19  | 166    | 345     | P     | H     |
|                              |                                                              | 11490     | 48.64      | -5.36  | 54         | 52.75  | 39.71    | 18.37  | 62.19  | 166    | 345     | A     | H     |
|                              |                                                              | 17235     | 49.93      | -18.27 | 68.2       | 42.62  | 43.12    | 23.27  | 59.08  | 100    | 0       | P     | H     |
|                              |                                                              |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |                                                              | 11490     | 48.04      | -25.96 | 74         | 52.15  | 39.71    | 18.37  | 62.19  | 100    | 0       | P     | V     |
|                              |                                                              | 17235     | 50.27      | -17.93 | 68.2       | 42.96  | 43.12    | 23.27  | 59.08  | 100    | 0       | P     | V     |
|                              |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
| 802.11a<br>CH 157<br>5785MHz |                                                              | 11570     | 59.44      | -14.56 | 74         | 63.66  | 39.6     | 18.44  | 62.26  | 164    | 348     | P     | H     |
|                              |                                                              | 11570     | 48.96      | -5.04  | 54         | 53.18  | 39.6     | 18.44  | 62.26  | 164    | 348     | A     | H     |
|                              |                                                              | 17355     | 50.79      | -17.41 | 68.2       | 42.43  | 43.75    | 23.43  | 58.82  | 400    | 0       | P     | H     |
|                              |                                                              |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |                                                              | 11570     | 47.22      | -26.78 | 74         | 51.44  | 39.6     | 18.44  | 62.26  | 100    | 0       | P     | V     |
|                              |                                                              | 17355     | 50.61      | -17.59 | 68.2       | 42.25  | 43.75    | 23.43  | 58.82  | 100    | 0       | P     | V     |
|                              |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
| 802.11a<br>CH 165<br>5825MHz |                                                              | 11650     | 58.89      | -15.11 | 74         | 63.22  | 39.49    | 18.5   | 62.32  | 170    | 338     | P     | H     |
|                              |                                                              | 11650     | 48.42      | -5.58  | 54         | 52.75  | 39.49    | 18.5   | 62.32  | 170    | 338     | A     | H     |
|                              |                                                              | 17475     | 51.41      | -16.79 | 68.2       | 42.01  | 44.37    | 23.59  | 58.56  | 100    | 0       | P     | H     |
|                              |                                                              |           |            |        |            |        |          |        |        |        |         |       | H     |
|                              |                                                              | 11650     | 47.22      | -26.78 | 74         | 51.55  | 39.49    | 18.5   | 62.32  | 100    | 0       | P     | V     |
|                              |                                                              | 17475     | 51.72      | -16.48 | 68.2       | 42.32  | 44.37    | 23.59  | 58.56  | 100    | 0       | P     | V     |
|                              |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
|                              |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
| Remark                       | 1. No other spurious found.                                  |           |            |        |            |        |          |        |        |        |         |       |       |
|                              | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |      |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |      | 5636.6    | 55.81      | -12.39 | 68.2       | 39.36  | 32.5     | 13.76  | 29.81  | 300    | 67      | P     | H     |
|                                      |      | 5692      | 56.23      | -43.07 | 99.3       | 39.53  | 32.62    | 13.91  | 29.83  | 300    | 67      | P     | H     |
|                                      |      | 5719.8    | 58.35      | -52.39 | 110.74     | 41.54  | 32.68    | 13.98  | 29.85  | 300    | 67      | P     | H     |
|                                      |      | 5724.4    | 62.93      | -57.9  | 120.83     | 46.09  | 32.69    | 14     | 29.85  | 300    | 67      | P     | H     |
|                                      | *    | 5745      | 112.02     | -      | -          | 95.09  | 32.74    | 14.05  | 29.86  | 300    | 67      | P     | H     |
|                                      | *    | 5745      | 104.38     | -      | -          | 87.45  | 32.74    | 14.05  | 29.86  | 300    | 67      | A     | H     |
|                                      |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                      |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                      |      | 5627      | 54.67      | -13.53 | 68.2       | 38.26  | 32.48    | 13.73  | 29.8   | 101    | 85      | P     | V     |
|                                      |      | 5690.6    | 55.47      | -42.8  | 98.27      | 38.78  | 32.62    | 13.9   | 29.83  | 101    | 85      | P     | V     |
|                                      |      | 5705.8    | 56.46      | -50.37 | 106.83     | 39.7   | 32.65    | 13.95  | 29.84  | 101    | 85      | P     | V     |
|                                      |      | 5722.4    | 59.27      | -57    | 116.27     | 42.44  | 32.69    | 13.99  | 29.85  | 101    | 85      | P     | V     |
|                                      | *    | 5745      | 107.94     | -      | -          | 91.01  | 32.74    | 14.05  | 29.86  | 101    | 85      | P     | V     |
|                                      | *    | 5745      | 99.59      | -      | -          | 82.66  | 32.74    | 14.05  | 29.86  | 101    | 85      | A     | V     |
|                                      |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                      |      |           |            |        |            |        |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>0                    | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 157<br>5785MHz |      | 5617                 | 54.95               | -13.25                  | 68.2                        | 38.58                     | 32.46                         | 13.71                  | 29.8                       | 267                  | 65                      | P                       | H               |
|                                      |      | 5690.8               | 55.99               | -42.43                  | 98.42                       | 39.29                     | 32.62                         | 13.91                  | 29.83                      | 267                  | 65                      | P                       | H               |
|                                      |      | 5713.8               | 56.27               | -52.8                   | 109.07                      | 39.47                     | 32.67                         | 13.97                  | 29.84                      | 267                  | 65                      | P                       | H               |
|                                      |      | 5723.6               | 56.57               | -62.44                  | 119.01                      | 39.74                     | 32.69                         | 13.99                  | 29.85                      | 267                  | 65                      | P                       | H               |
|                                      | *    | 5785                 | 112.08              | -                       | -                           | 94.97                     | 32.83                         | 14.16                  | 29.88                      | 267                  | 65                      | P                       | H               |
|                                      | *    | 5785                 | 103.99              | -                       | -                           | 86.88                     | 32.83                         | 14.16                  | 29.88                      | 267                  | 65                      | A                       | H               |
|                                      |      | 5851.6               | 56.79               | -61.76                  | 118.55                      | 39.7                      | 32.97                         | 14.03                  | 29.91                      | 267                  | 65                      | P                       | H               |
|                                      |      | 5867.4               | 55.92               | -51.41                  | 107.33                      | 38.86                     | 33.01                         | 13.97                  | 29.92                      | 267                  | 65                      | P                       | H               |
|                                      |      | 5895.8               | 56.43               | -33.34                  | 89.77                       | 39.41                     | 33.07                         | 13.88                  | 29.93                      | 267                  | 65                      | P                       | H               |
|                                      |      | 5932.4               | 55.82               | -12.38                  | 68.2                        | 38.86                     | 33.15                         | 13.76                  | 29.95                      | 267                  | 65                      | P                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5641.6               | 55.85               | -12.35                  | 68.2                        | 39.38                     | 32.51                         | 13.77                  | 29.81                      | 101                  | 86                      | P                       | V               |
|                                      |      | 5693.4               | 54.67               | -45.66                  | 100.33                      | 37.96                     | 32.63                         | 13.91                  | 29.83                      | 101                  | 86                      | P                       | V               |
|                                      |      | 5712                 | 55.37               | -53.19                  | 108.56                      | 38.58                     | 32.67                         | 13.96                  | 29.84                      | 101                  | 86                      | P                       | V               |
|                                      |      | 5720.8               | 54.85               | -57.77                  | 112.62                      | 38.02                     | 32.69                         | 13.99                  | 29.85                      | 101                  | 86                      | P                       | V               |
|                                      | *    | 5785                 | 107.87              | -                       | -                           | 90.76                     | 32.83                         | 14.16                  | 29.88                      | 101                  | 86                      | P                       | V               |
|                                      | *    | 5785                 | 100.36              | -                       | -                           | 83.25                     | 32.83                         | 14.16                  | 29.88                      | 101                  | 86                      | A                       | V               |
|                                      |      | 5852.8               | 54.27               | -61.55                  | 115.82                      | 37.18                     | 32.98                         | 14.02                  | 29.91                      | 101                  | 86                      | P                       | V               |
|                                      |      | 5874.2               | 55.84               | -49.58                  | 105.42                      | 38.79                     | 33.02                         | 13.95                  | 29.92                      | 101                  | 86                      | P                       | V               |
|                                      |      | 5922.6               | 55.31               | -14.66                  | 69.97                       | 38.33                     | 33.13                         | 13.79                  | 29.94                      | 101                  | 86                      | P                       | V               |
|                                      |      | 5925                 | 54.65               | -13.55                  | 68.2                        | 37.68                     | 33.13                         | 13.78                  | 29.94                      | 101                  | 86                      | P                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>0                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11n<br>HT20<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 112.83              | -                       | -                           | 95.69                   | 32.92                         | 14.12                  | 29.9                       | 264                  | 67                      | P                     | H             |
|                                      | *                                                                                           | 5825                 | 105.22              | -                       | -                           | 88.08                   | 32.92                         | 14.12                  | 29.9                       | 264                  | 67                      | A                     | H             |
|                                      |                                                                                             | 5853.6               | 65.55               | -48.44                  | 113.99                      | 48.46                   | 32.98                         | 14.02                  | 29.91                      | 264                  | 67                      | P                     | H             |
|                                      |                                                                                             | 5856                 | 62.52               | -48                     | 110.52                      | 45.44                   | 32.98                         | 14.01                  | 29.91                      | 264                  | 67                      | P                     | H             |
|                                      |                                                                                             | 5883.8               | 57.69               | -40.98                  | 98.67                       | 40.65                   | 33.04                         | 13.92                  | 29.92                      | 264                  | 67                      | P                     | H             |
|                                      |                                                                                             | 5945.6               | 56                  | -12.2                   | 68.2                        | 39.06                   | 33.18                         | 13.71                  | 29.95                      | 264                  | 67                      | P                     | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      | *                                                                                           | 5825                 | 108.18              | -                       | -                           | 91.04                   | 32.92                         | 14.12                  | 29.9                       | 101                  | 87                      | P                     | V             |
|                                      | *                                                                                           | 5825                 | 100.57              | -                       | -                           | 83.43                   | 32.92                         | 14.12                  | 29.9                       | 101                  | 87                      | A                     | V             |
|                                      |                                                                                             | 5852.4               | 60.53               | -56.2                   | 116.73                      | 43.44                   | 32.98                         | 14.02                  | 29.91                      | 101                  | 87                      | P                     | V             |
|                                      |                                                                                             | 5855                 | 58.21               | -52.59                  | 110.8                       | 41.12                   | 32.98                         | 14.02                  | 29.91                      | 101                  | 87                      | P                     | V             |
|                                      |                                                                                             | 5903                 | 55.89               | -28.55                  | 84.44                       | 38.88                   | 33.09                         | 13.85                  | 29.93                      | 101                  | 87                      | P                     | V             |
|                                      |                                                                                             | 5947.2               | 55.28               | -12.92                  | 68.2                        | 38.34                   | 33.18                         | 13.71                  | 29.95                      | 101                  | 87                      | P                     | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI                                 | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0                                    |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |                                                              | 11490     | 60.43      | -13.57 | 74         | 64.54    | 39.71    | 18.37  | 62.19  | 166    | 347     | P       | H       |
|                                      |                                                              | 11490     | 49.13      | -4.87  | 54         | 53.24    | 39.71    | 18.37  | 62.19  | 166    | 347     | A       | H       |
|                                      |                                                              | 17235     | 51.2       | -17    | 68.2       | 43.89    | 43.12    | 23.27  | 59.08  | 400    | 0       | P       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 11490     | 46.95      | -27.05 | 74         | 51.06    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | V       |
|                                      |                                                              | 17235     | 49.56      | -18.64 | 68.2       | 42.25    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11n<br>HT20<br>CH 157<br>5785MHz |                                                              | 11570     | 59.36      | -14.64 | 74         | 63.58    | 39.6     | 18.44  | 62.26  | 166    | 348     | P       | H       |
|                                      |                                                              | 11570     | 48.09      | -5.91  | 54         | 52.31    | 39.6     | 18.44  | 62.26  | 166    | 348     | A       | H       |
|                                      |                                                              | 17355     | 49.82      | -18.38 | 68.2       | 41.46    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 11570     | 46.12      | -27.88 | 74         | 50.34    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | V       |
|                                      |                                                              | 17355     | 49.76      | -18.44 | 68.2       | 41.4     | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11n<br>HT20<br>CH 165<br>5825MHz |                                                              | 11650     | 60.93      | -13.07 | 74         | 65.26    | 39.49    | 18.5   | 62.32  | 164    | 341     | P       | H       |
|                                      |                                                              | 11650     | 48.8       | -5.2   | 54         | 53.13    | 39.49    | 18.5   | 62.32  | 164    | 341     | A       | H       |
|                                      |                                                              | 17475     | 50.39      | -17.81 | 68.2       | 40.99    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 11650     | 45.97      | -28.03 | 74         | 50.3     | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | V       |
|                                      |                                                              | 17475     | 50.43      | -17.77 | 68.2       | 41.03    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                               | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                      | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |      | 5647.8    | 55.77      | -12.43 | 68.2       | 39.26    | 32.53    | 13.79  | 29.81  | 264    | 65      | P       | H       |
|                                      |      | 5699      | 63.59      | -40.87 | 104.46     | 46.86    | 32.64    | 13.93  | 29.84  | 264    | 65      | P       | H       |
|                                      |      | 5718      | 68.78      | -41.46 | 110.24     | 51.96    | 32.68    | 13.98  | 29.84  | 264    | 65      | P       | H       |
|                                      |      | 5723.6    | 68.95      | -50.06 | 119.01     | 52.12    | 32.69    | 13.99  | 29.85  | 264    | 65      | P       | H       |
|                                      | *    | 5755      | 109.91     | -      | -          | 92.93    | 32.76    | 14.08  | 29.86  | 264    | 65      | P       | H       |
|                                      | *    | 5755      | 102        | -      | -          | 85.02    | 32.76    | 14.08  | 29.86  | 264    | 65      | A       | H       |
|                                      |      | 5851      | 56.44      | -63.48 | 119.92     | 39.35    | 32.97    | 14.03  | 29.91  | 264    | 65      | P       | H       |
|                                      |      | 5874.2    | 56.33      | -49.09 | 105.42     | 39.28    | 33.02    | 13.95  | 29.92  | 264    | 65      | P       | H       |
|                                      |      | 5883.2    | 56.18      | -42.93 | 99.11      | 39.14    | 33.04    | 13.92  | 29.92  | 264    | 65      | P       | H       |
|                                      |      | 5943.6    | 55.82      | -12.38 | 68.2       | 38.87    | 33.18    | 13.72  | 29.95  | 264    | 65      | P       | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      | 5634.4    | 55.71      | -12.49 | 68.2       | 39.26    | 32.5     | 13.75  | 29.8   | 100    | 84      | P       | V       |
|                                      |      | 5698.6    | 58.01      | -46.16 | 104.17     | 41.28    | 32.64    | 13.93  | 29.84  | 100    | 84      | P       | V       |
|                                      |      | 5718.4    | 62.97      | -47.38 | 110.35     | 46.15    | 32.68    | 13.98  | 29.84  | 100    | 84      | P       | V       |
|                                      |      | 5723.6    | 64.49      | -54.52 | 119.01     | 47.66    | 32.69    | 13.99  | 29.85  | 100    | 84      | P       | V       |
|                                      | *    | 5755      | 105.3      | -      | -          | 88.32    | 32.76    | 14.08  | 29.86  | 100    | 84      | P       | V       |
|                                      | *    | 5755      | 97.46      | -      | -          | 80.48    | 32.76    | 14.08  | 29.86  | 100    | 84      | A       | V       |
|                                      |      | 5850.4    | 55.79      | -65.5  | 121.29     | 38.7     | 32.97    | 14.03  | 29.91  | 100    | 84      | P       | V       |
|                                      |      | 5855.4    | 56.78      | -53.91 | 110.69     | 39.7     | 32.98    | 14.01  | 29.91  | 100    | 84      | P       | V       |
|                                      |      | 5905.2    | 56.46      | -26.35 | 82.81      | 39.45    | 33.09    | 13.85  | 29.93  | 100    | 84      | P       | V       |
|                                      |      | 5933.4    | 55.77      | -12.43 | 68.2       | 38.82    | 33.15    | 13.75  | 29.95  | 100    | 84      | P       | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| WIFI<br>Ant.<br>0                              | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 159<br/>5795MHz</b> |                                                              | 5647.2               | 55.92               | -12.28                  | 68.2                        | 39.42                     | 32.52                         | 13.79                  | 29.81                      | 259                  | 65                      | P                       | H               |
|                                                |                                                              | 5692.4               | 56.32               | -43.28                  | 99.6                        | 39.62                     | 32.62                         | 13.91                  | 29.83                      | 259                  | 65                      | P                       | H               |
|                                                |                                                              | 5717                 | 58.68               | -51.28                  | 109.96                      | 41.86                     | 32.68                         | 13.98                  | 29.84                      | 259                  | 65                      | P                       | H               |
|                                                |                                                              | 5724.8               | 60.44               | -61.3                   | 121.74                      | 43.6                      | 32.69                         | 14                     | 29.85                      | 259                  | 65                      | P                       | H               |
|                                                | *                                                            | 5795                 | 110.08              | -                       | -                           | 92.92                     | 32.85                         | 14.19                  | 29.88                      | 259                  | 65                      | P                       | H               |
|                                                | *                                                            | 5795                 | 102.25              | -                       | -                           | 85.09                     | 32.85                         | 14.19                  | 29.88                      | 259                  | 65                      | A                       | H               |
|                                                |                                                              | 5852                 | 62.35               | -55.29                  | 117.64                      | 45.26                     | 32.97                         | 14.03                  | 29.91                      | 259                  | 65                      | P                       | H               |
|                                                |                                                              | 5855.6               | 62.42               | -48.21                  | 110.63                      | 45.34                     | 32.98                         | 14.01                  | 29.91                      | 259                  | 65                      | P                       | H               |
|                                                |                                                              | 5876.2               | 57.65               | -46.66                  | 104.31                      | 40.6                      | 33.03                         | 13.94                  | 29.92                      | 259                  | 65                      | P                       | H               |
|                                                |                                                              | 5925                 | 56.7                | -11.5                   | 68.2                        | 39.73                     | 33.13                         | 13.78                  | 29.94                      | 259                  | 65                      | P                       | H               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |                                                              | 5645.8               | 55.38               | -12.82                  | 68.2                        | 38.89                     | 32.52                         | 13.78                  | 29.81                      | 100                  | 86                      | P                       | V               |
|                                                |                                                              | 5695.8               | 55.21               | -46.89                  | 102.1                       | 38.49                     | 32.63                         | 13.92                  | 29.83                      | 100                  | 86                      | P                       | V               |
|                                                |                                                              | 5710.8               | 57.31               | -50.92                  | 108.23                      | 40.53                     | 32.66                         | 13.96                  | 29.84                      | 100                  | 86                      | P                       | V               |
|                                                |                                                              | 5724.6               | 57.01               | -64.28                  | 121.29                      | 40.17                     | 32.69                         | 14                     | 29.85                      | 100                  | 86                      | P                       | V               |
|                                                | *                                                            | 5795                 | 106.04              | -                       | -                           | 88.88                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 86                      | P                       | V               |
|                                                | *                                                            | 5795                 | 98.23               | -                       | -                           | 81.07                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 86                      | A                       | V               |
|                                                |                                                              | 5850.6               | 59.41               | -61.42                  | 120.83                      | 42.32                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 86                      | P                       | V               |
|                                                |                                                              | 5855.6               | 59.54               | -51.09                  | 110.63                      | 42.46                     | 32.98                         | 14.01                  | 29.91                      | 100                  | 86                      | P                       | V               |
|                                                |                                                              | 5884.2               | 56.3                | -42.07                  | 98.37                       | 39.25                     | 33.05                         | 13.92                  | 29.92                      | 100                  | 86                      | P                       | V               |
|                                                |                                                              | 5947.6               | 55.65               | -12.55                  | 68.2                        | 38.71                     | 33.18                         | 13.71                  | 29.95                      | 100                  | 86                      | P                       | V               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b>                                  | 1. No other spurious found.                                  |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                                | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI                                 | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0                                    |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |                                                              | 11510     | 58.04      | -15.96 | 74         | 62.17    | 39.69    | 18.39  | 62.21  | 207    | 352     | P       | H       |
|                                      |                                                              | 11510     | 49.11      | -4.89  | 54         | 53.24    | 39.69    | 18.39  | 62.21  | 207    | 352     | A       | H       |
|                                      |                                                              | 17265     | 49.24      | -18.96 | 68.2       | 41.68    | 43.28    | 23.3   | 59.02  | 100    | 0       | P       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 11510     | 46.65      | -27.35 | 74         | 50.78    | 39.69    | 18.39  | 62.21  | 100    | 0       | P       | V       |
|                                      |                                                              | 17265     | 49.07      | -19.13 | 68.2       | 41.51    | 43.28    | 23.3   | 59.02  | 100    | 0       | P       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                              | 11590     | 58.9       | -15.1  | 74         | 63.14    | 39.57    | 18.46  | 62.27  | 206    | 339     | P       | H       |
|                                      |                                                              | 11590     | 49.63      | -4.37  | 54         | 53.87    | 39.57    | 18.46  | 62.27  | 206    | 339     | A       | H       |
|                                      |                                                              | 17385     | 49.63      | -18.57 | 68.2       | 41.01    | 43.9     | 23.47  | 58.75  | 100    | 0       | P       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 11590     | 47.01      | -26.99 | 74         | 51.25    | 39.57    | 18.46  | 62.27  | 100    | 0       | P       | V       |
|                                      |                                                              | 17385     | 49.41      | -18.79 | 68.2       | 40.79    | 43.9     | 23.47  | 58.75  | 100    | 0       | P       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                               | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                      | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI                                   | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0                                      |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                              | 5647.2    | 61.69      | -6.51  | 68.2       | 45.19    | 32.52    | 13.79  | 29.81  | 286    | 67      | P       | H       |
|                                        |                                                              | 5697      | 70.78      | -32.21 | 102.99     | 54.06    | 32.63    | 13.92  | 29.83  | 286    | 67      | P       | H       |
|                                        |                                                              | 5717      | 73.25      | -36.71 | 109.96     | 56.43    | 32.68    | 13.98  | 29.84  | 286    | 67      | P       | H       |
|                                        |                                                              | 5724.4    | 72.54      | -48.29 | 120.83     | 55.7     | 32.69    | 14     | 29.85  | 286    | 67      | P       | H       |
|                                        | *                                                            | 5775      | 107.91     | -      | -          | 90.84    | 32.81    | 14.13  | 29.87  | 286    | 67      | P       | H       |
|                                        | *                                                            | 5775      | 100.08     | -      | -          | 83.01    | 32.81    | 14.13  | 29.87  | 286    | 67      | A       | H       |
|                                        |                                                              | 5852.4    | 70.71      | -46.02 | 116.73     | 53.62    | 32.98    | 14.02  | 29.91  | 286    | 67      | P       | H       |
|                                        |                                                              | 5856.2    | 70.4       | -40.06 | 110.46     | 53.32    | 32.98    | 14.01  | 29.91  | 286    | 67      | P       | H       |
|                                        |                                                              | 5875      | 64.7       | -40.5  | 105.2      | 47.64    | 33.03    | 13.95  | 29.92  | 286    | 67      | P       | H       |
|                                        |                                                              | 5935.2    | 57.09      | -11.11 | 68.2       | 40.13    | 33.16    | 13.75  | 29.95  | 286    | 67      | P       | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              | 5649.8    | 58.09      | -10.11 | 68.2       | 41.58    | 32.53    | 13.79  | 29.81  | 105    | 86      | P       | V       |
|                                        |                                                              | 5699      | 66.98      | -37.48 | 104.46     | 50.25    | 32.64    | 13.93  | 29.84  | 105    | 86      | P       | V       |
|                                        |                                                              | 5718.6    | 68.17      | -42.24 | 110.41     | 51.35    | 32.68    | 13.98  | 29.84  | 105    | 86      | P       | V       |
|                                        |                                                              | 5723.4    | 67.41      | -51.14 | 118.55     | 50.58    | 32.69    | 13.99  | 29.85  | 105    | 86      | P       | V       |
|                                        | *                                                            | 5775      | 102.99     | -      | -          | 85.92    | 32.81    | 14.13  | 29.87  | 105    | 86      | P       | V       |
|                                        | *                                                            | 5775      | 95.45      | -      | -          | 78.38    | 32.81    | 14.13  | 29.87  | 105    | 86      | A       | V       |
|                                        |                                                              | 5850      | 66.59      | -55.61 | 122.2      | 49.5     | 32.97    | 14.03  | 29.91  | 105    | 86      | P       | V       |
|                                        |                                                              | 5863.8    | 65.06      | -43.27 | 108.33     | 47.98    | 33       | 13.99  | 29.91  | 105    | 86      | P       | V       |
|                                        |                                                              | 5879.8    | 61.9       | -39.73 | 101.63     | 44.85    | 33.04    | 13.93  | 29.92  | 105    | 86      | P       | V       |
|                                        |                                                              | 5937      | 56.02      | -12.18 | 68.2       | 39.07    | 33.16    | 13.74  | 29.95  | 105    | 86      | P       | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                        | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI                                   | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                   |                                                                                             |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0                                      |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                                                             | 11550     | 58.72      | -15.28 | 74         | 62.91  | 39.63    | 18.42  | 62.24  | 205    | 338     | P     | H     |
|                                        |                                                                                             | 11550     | 49.9       | -4.1   | 54         | 54.09  | 39.63    | 18.42  | 62.24  | 205    | 338     | A     | H     |
|                                        |                                                                                             | 17325     | 49.41      | -18.79 | 68.2       | 41.31  | 43.59    | 23.39  | 58.88  | 100    | 0       | P     | H     |
|                                        |                                                                                             |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                        |                                                                                             | 11550     | 48.36      | -25.64 | 74         | 52.55  | 39.63    | 18.42  | 62.24  | 100    | 0       | P     | V     |
|                                        |                                                                                             | 17325     | 49.69      | -18.51 | 68.2       | 41.59  | 43.59    | 23.39  | 58.88  | 100    | 0       | P     | V     |
|                                        |                                                                                             |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                        |                                                                                             |           |            |        |            |        |          |        |        |        |         |       | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |

## Emission below 1GHz

### 5GHz 802.11ac VHT80 (LF @ 3m)

| WIFI                                | Note                                                                       | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                |                                                                            |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0                                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 5GHz<br>802.11ac<br><br>VHT80<br>LF |                                                                            | 102.75    | 32.03      | -11.47 | 43.5       | 47.03  | 16.29    | 1.08   | 32.37  | 100    | 0       | P     | H     |
|                                     |                                                                            | 160.95    | 22.54      | -20.96 | 43.5       | 36.87  | 16.48    | 1.55   | 32.36  | -      | -       | P     | H     |
|                                     |                                                                            | 278.32    | 20.49      | -25.51 | 46         | 31.62  | 18.88    | 2.4    | 32.41  | -      | -       | P     | H     |
|                                     |                                                                            | 654.68    | 27.71      | -18.29 | 46         | 29.92  | 26.31    | 4.08   | 32.6   | -      | -       | P     | H     |
|                                     |                                                                            | 841.89    | 30.93      | -15.07 | 46         | 29.47  | 28.97    | 4.61   | 32.12  | -      | -       | P     | H     |
|                                     |                                                                            | 960.23    | 33.32      | -20.68 | 54         | 28.75  | 31.01    | 4.82   | 31.26  | -      | -       | P     | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            | 101.78    | 31.16      | -12.34 | 43.5       | 46.33  | 16.13    | 1.07   | 32.37  | -      | -       | P     | V     |
|                                     |                                                                            | 159.98    | 26.82      | -16.68 | 43.5       | 41.03  | 16.6     | 1.55   | 32.36  | -      | -       | P     | V     |
|                                     |                                                                            | 394.72    | 22.84      | -23.16 | 46         | 30.56  | 21.6     | 3.18   | 32.5   | -      | -       | P     | V     |
|                                     |                                                                            | 770.11    | 30.87      | -15.13 | 46         | 30.62  | 28.21    | 4.45   | 32.41  | -      | -       | P     | V     |
|                                     |                                                                            | 846.74    | 32.38      | -13.62 | 46         | 30.82  | 29.01    | 4.64   | 32.09  | -      | -       | P     | V     |
|                                     |                                                                            | 951.5     | 34.09      | -11.91 | 46         | 30.01  | 30.78    | 4.64   | 31.34  | 100    | 0       | P     | V     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



## Band 4 - 5725~5850MHz

## WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 3                            |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |      | 5641.4    | 55.79      | -12.41 | 68.2       | 39.32    | 32.51    | 13.77  | 29.81  | 128    | 355     | P       | H       |
|                              |      | 5699.2    | 57.13      | -47.48 | 104.61     | 40.4     | 32.64    | 13.93  | 29.84  | 128    | 355     | P       | H       |
|                              |      | 5717.4    | 65.35      | -44.72 | 110.07     | 48.53    | 32.68    | 13.98  | 29.84  | 128    | 355     | P       | H       |
|                              |      | 5724.6    | 75.39      | -45.9  | 121.29     | 58.55    | 32.69    | 14     | 29.85  | 128    | 355     | P       | H       |
|                              | *    | 5745      | 111.47     | -      | -          | 94.54    | 32.74    | 14.05  | 29.86  | 128    | 355     | P       | H       |
|                              | *    | 5745      | 104.14     | -      | -          | 87.21    | 32.74    | 14.05  | 29.86  | 128    | 355     | A       | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      | 5643.6    | 55.7       | -12.5  | 68.2       | 39.21    | 32.52    | 13.78  | 29.81  | 119    | 359     | P       | V       |
|                              |      | 5696.6    | 58.5       | -44.19 | 102.69     | 41.78    | 32.63    | 13.92  | 29.83  | 119    | 359     | P       | V       |
|                              |      | 5720      | 67.52      | -43.28 | 110.8      | 50.71    | 32.68    | 13.98  | 29.85  | 119    | 359     | P       | V       |
|                              |      | 5725      | 75.81      | -46.39 | 122.2      | 58.97    | 32.69    | 14     | 29.85  | 119    | 359     | P       | V       |
|                              | *    | 5745      | 112.78     | -      | -          | 95.85    | 32.74    | 14.05  | 29.86  | 119    | 359     | P       | V       |
|                              | *    | 5745      | 105.79     | -      | -          | 88.86    | 32.74    | 14.05  | 29.86  | 119    | 359     | A       | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| WIFI<br>Ant.<br>3                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 157<br/>5785MHz</b> |      | 5621.6               | 55.51               | -12.69                  | 68.2                        | 39.12                     | 32.47                         | 13.72                  | 29.8                       | 100                  | 351                     | P                       | H               |
|                                       |      | 5696                 | 54.95               | -47.3                   | 102.25                      | 38.23                     | 32.63                         | 13.92                  | 29.83                      | 100                  | 351                     | P                       | H               |
|                                       |      | 5711.4               | 55.09               | -53.3                   | 108.39                      | 38.3                      | 32.67                         | 13.96                  | 29.84                      | 100                  | 351                     | P                       | H               |
|                                       |      | 5722.6               | 53.96               | -62.77                  | 116.73                      | 37.13                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 351                     | P                       | H               |
|                                       | *    | 5785                 | 111.36              | -                       | -                           | 94.25                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 351                     | P                       | H               |
|                                       | *    | 5785                 | 103.38              | -                       | -                           | 86.27                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 351                     | A                       | H               |
|                                       |      | 5850.6               | 53.54               | -67.29                  | 120.83                      | 36.45                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 351                     | P                       | H               |
|                                       |      | 5868.6               | 54.1                | -52.89                  | 106.99                      | 37.04                     | 33.01                         | 13.97                  | 29.92                      | 100                  | 351                     | P                       | H               |
|                                       |      | 5882                 | 55.46               | -44.54                  | 100                         | 38.41                     | 33.04                         | 13.93                  | 29.92                      | 100                  | 351                     | P                       | H               |
|                                       |      | 5949.4               | 55.33               | -12.87                  | 68.2                        | 38.4                      | 33.19                         | 13.7                   | 29.96                      | 100                  | 351                     | P                       | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      | 5636                 | 55.28               | -12.92                  | 68.2                        | 38.83                     | 32.5                          | 13.76                  | 29.81                      | 107                  | 7                       | P                       | V               |
|                                       |      | 5682.8               | 55.36               | -37.15                  | 92.51                       | 38.71                     | 32.6                          | 13.88                  | 29.83                      | 107                  | 7                       | P                       | V               |
|                                       |      | 5710.4               | 55.09               | -53.02                  | 108.11                      | 38.31                     | 32.66                         | 13.96                  | 29.84                      | 107                  | 7                       | P                       | V               |
|                                       |      | 5721.4               | 55.3                | -58.69                  | 113.99                      | 38.47                     | 32.69                         | 13.99                  | 29.85                      | 107                  | 7                       | P                       | V               |
|                                       | *    | 5785                 | 111.75              | -                       | -                           | 94.64                     | 32.83                         | 14.16                  | 29.88                      | 107                  | 7                       | P                       | V               |
|                                       | *    | 5785                 | 104.11              | -                       | -                           | 87                        | 32.83                         | 14.16                  | 29.88                      | 107                  | 7                       | A                       | V               |
|                                       |      | 5852                 | 55.36               | -62.28                  | 117.64                      | 38.27                     | 32.97                         | 14.03                  | 29.91                      | 107                  | 7                       | P                       | V               |
|                                       |      | 5857.4               | 54.97               | -55.16                  | 110.13                      | 37.88                     | 32.99                         | 14.01                  | 29.91                      | 107                  | 7                       | P                       | V               |
|                                       |      | 5894.2               | 55.61               | -35.34                  | 90.95                       | 38.59                     | 33.07                         | 13.88                  | 29.93                      | 107                  | 7                       | P                       | V               |
|                                       |      | 5942.2               | 55.63               | -12.57                  | 68.2                        | 38.69                     | 33.17                         | 13.72                  | 29.95                      | 107                  | 7                       | P                       | V               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3                     | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b> | *                                                            | 5825                 | 111.1               | -                       | -                           | 93.96                   | 32.92                         | 14.12                  | 29.9                       | 101                  | 351                     | P                     | H             |
|                                       | *                                                            | 5825                 | 103.24              | -                       | -                           | 86.1                    | 32.92                         | 14.12                  | 29.9                       | 101                  | 351                     | A                     | H             |
|                                       |                                                              | 5851.4               | 59.31               | -59.7                   | 119.01                      | 42.22                   | 32.97                         | 14.03                  | 29.91                      | 101                  | 351                     | P                     | H             |
|                                       |                                                              | 5855.2               | 58.11               | -52.63                  | 110.74                      | 41.02                   | 32.98                         | 14.02                  | 29.91                      | 101                  | 351                     | P                     | H             |
|                                       |                                                              | 5913.8               | 55.44               | -21.02                  | 76.46                       | 38.45                   | 33.11                         | 13.82                  | 29.94                      | 101                  | 351                     | P                     | H             |
|                                       |                                                              | 5935                 | 54.49               | -13.71                  | 68.2                        | 37.53                   | 33.16                         | 13.75                  | 29.95                      | 101                  | 351                     | P                     | H             |
|                                       |                                                              |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       |                                                              |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                       | *                                                            | 5825                 | 112.19              | -                       | -                           | 95.05                   | 32.92                         | 14.12                  | 29.9                       | 101                  | 6                       | P                     | V             |
|                                       | *                                                            | 5825                 | 104.27              | -                       | -                           | 87.13                   | 32.92                         | 14.12                  | 29.9                       | 101                  | 6                       | A                     | V             |
|                                       |                                                              | 5851.6               | 63.01               | -55.54                  | 118.55                      | 45.92                   | 32.97                         | 14.03                  | 29.91                      | 101                  | 6                       | P                     | V             |
|                                       |                                                              | 5855.8               | 60.71               | -49.87                  | 110.58                      | 43.63                   | 32.98                         | 14.01                  | 29.91                      | 101                  | 6                       | P                     | V             |
|                                       |                                                              | 5875                 | 57.18               | -48.02                  | 105.2                       | 40.12                   | 33.03                         | 13.95                  | 29.92                      | 101                  | 6                       | P                     | V             |
|                                       |                                                              | 5937.2               | 54.56               | -13.64                  | 68.2                        | 37.61                   | 33.16                         | 13.74                  | 29.95                      | 101                  | 6                       | P                     | V             |
|                                       |                                                              |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |                                                              |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                       |                                                              |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| <b>Remark</b>                         | 1. No other spurious found.                                  |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
|                                       | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 4 5725~5850MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI                         | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 3                            |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |                                                              | 11490     | 46.1       | -27.9  | 74         | 50.21    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | H       |
|                              |                                                              | 17235     | 51.4       | -16.8  | 68.2       | 44.09    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11490     | 46.11      | -27.89 | 74         | 50.22    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | V       |
|                              |                                                              | 17235     | 50.5       | -17.7  | 68.2       | 43.19    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 157<br>5785MHz |                                                              | 11570     | 46.46      | -27.54 | 74         | 50.68    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | H       |
|                              |                                                              | 17355     | 50.51      | -17.69 | 68.2       | 42.15    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11570     | 45.3       | -28.7  | 74         | 49.52    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | V       |
|                              |                                                              | 17355     | 50.73      | -17.47 | 68.2       | 42.37    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 165<br>5825MHz |                                                              | 11650     | 46.61      | -27.39 | 74         | 50.94    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | H       |
|                              |                                                              | 17475     | 51.11      | -17.09 | 68.2       | 41.71    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11650     | 45.95      | -28.05 | 74         | 50.28    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | V       |
|                              |                                                              | 17475     | 50.88      | -17.32 | 68.2       | 41.48    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                       | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                              | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |      |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |      | 5616.2    | 54.54      | -13.66 | 68.2       | 38.18  | 32.46    | 13.7   | 29.8   | 101    | 350     | P     | H     |
|                                      |      | 5699      | 57.02      | -47.44 | 104.46     | 40.29  | 32.64    | 13.93  | 29.84  | 101    | 350     | P     | H     |
|                                      |      | 5718      | 60.45      | -49.79 | 110.24     | 43.63  | 32.68    | 13.98  | 29.84  | 101    | 350     | P     | H     |
|                                      |      | 5724.8    | 65.67      | -56.07 | 121.74     | 48.83  | 32.69    | 14     | 29.85  | 101    | 350     | P     | H     |
|                                      | *    | 5745      | 110.99     | -      | -          | 94.06  | 32.74    | 14.05  | 29.86  | 101    | 350     | P     | H     |
|                                      | *    | 5745      | 103.08     | -      | -          | 86.15  | 32.74    | 14.05  | 29.86  | 101    | 350     | A     | H     |
|                                      |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                      |      |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                      |      | 5601.6    | 54.32      | -13.88 | 68.2       | 38.03  | 32.42    | 13.66  | 29.79  | 107    | 6       | P     | V     |
|                                      |      | 5698.2    | 58.26      | -45.61 | 103.87     | 41.53  | 32.64    | 13.93  | 29.84  | 107    | 6       | P     | V     |
|                                      |      | 5720      | 61.79      | -49.01 | 110.8      | 44.98  | 32.68    | 13.98  | 29.85  | 107    | 6       | P     | V     |
|                                      |      | 5725      | 67.24      | -54.96 | 122.2      | 50.4   | 32.69    | 14     | 29.85  | 107    | 6       | P     | V     |
|                                      | *    | 5745      | 111.73     | -      | -          | 94.8   | 32.74    | 14.05  | 29.86  | 107    | 6       | P     | V     |
|                                      | *    | 5745      | 103.49     | -      | -          | 86.56  | 32.74    | 14.05  | 29.86  | 107    | 6       | A     | V     |
|                                      |      |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                      |      |           |            |        |            |        |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>3                    | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 157<br>5785MHz |      | 5619.8               | 54.49               | -13.71                  | 68.2                        | 38.12                     | 32.46                         | 13.71                  | 29.8                       | 101                  | 351                     | P                       | H               |
|                                      |      | 5698.6               | 55.21               | -48.96                  | 104.17                      | 38.48                     | 32.64                         | 13.93                  | 29.84                      | 101                  | 351                     | P                       | H               |
|                                      |      | 5718                 | 54.6                | -55.64                  | 110.24                      | 37.78                     | 32.68                         | 13.98                  | 29.84                      | 101                  | 351                     | P                       | H               |
|                                      |      | 5721.4               | 55.35               | -58.64                  | 113.99                      | 38.52                     | 32.69                         | 13.99                  | 29.85                      | 101                  | 351                     | P                       | H               |
|                                      | *    | 5785                 | 110.58              | -                       | -                           | 93.47                     | 32.83                         | 14.16                  | 29.88                      | 101                  | 351                     | P                       | H               |
|                                      | *    | 5785                 | 102.94              | -                       | -                           | 85.83                     | 32.83                         | 14.16                  | 29.88                      | 101                  | 351                     | A                       | H               |
|                                      |      | 5854.4               | 56.14               | -56.03                  | 112.17                      | 39.05                     | 32.98                         | 14.02                  | 29.91                      | 101                  | 351                     | P                       | H               |
|                                      |      | 5864.6               | 54.33               | -53.78                  | 108.11                      | 37.27                     | 33                            | 13.98                  | 29.92                      | 101                  | 351                     | P                       | H               |
|                                      |      | 5897.4               | 55.19               | -33.4                   | 88.59                       | 38.18                     | 33.07                         | 13.87                  | 29.93                      | 101                  | 351                     | P                       | H               |
|                                      |      | 5925.6               | 55.12               | -13.08                  | 68.2                        | 38.14                     | 33.14                         | 13.78                  | 29.94                      | 101                  | 351                     | P                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5627                 | 54.7                | -13.5                   | 68.2                        | 38.29                     | 32.48                         | 13.73                  | 29.8                       | 103                  | 6                       | P                       | V               |
|                                      |      | 5698.4               | 54.34               | -49.68                  | 104.02                      | 37.61                     | 32.64                         | 13.93                  | 29.84                      | 103                  | 6                       | P                       | V               |
|                                      |      | 5716                 | 55.06               | -54.62                  | 109.68                      | 38.25                     | 32.68                         | 13.97                  | 29.84                      | 103                  | 6                       | P                       | V               |
|                                      |      | 5723                 | 54.67               | -62.97                  | 117.64                      | 37.84                     | 32.69                         | 13.99                  | 29.85                      | 103                  | 6                       | P                       | V               |
|                                      | *    | 5785                 | 111.37              | -                       | -                           | 94.26                     | 32.83                         | 14.16                  | 29.88                      | 103                  | 6                       | P                       | V               |
|                                      | *    | 5785                 | 103.59              | -                       | -                           | 86.48                     | 32.83                         | 14.16                  | 29.88                      | 103                  | 6                       | A                       | V               |
|                                      |      | 5851                 | 54.36               | -65.56                  | 119.92                      | 37.27                     | 32.97                         | 14.03                  | 29.91                      | 103                  | 6                       | P                       | V               |
|                                      |      | 5859                 | 55.36               | -54.32                  | 109.68                      | 38.28                     | 32.99                         | 14                     | 29.91                      | 103                  | 6                       | P                       | V               |
|                                      |      | 5906.8               | 55.37               | -26.26                  | 81.63                       | 38.38                     | 33.09                         | 13.84                  | 29.94                      | 103                  | 6                       | P                       | V               |
|                                      |      | 5948.2               | 55.09               | -13.11                  | 68.2                        | 38.16                     | 33.19                         | 13.7                   | 29.96                      | 103                  | 6                       | P                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11n<br>HT20<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 110.51              | -                       | -                           | 93.37                   | 32.92                         | 14.12                  | 29.9                       | 101                  | 351                     | P                     | H             |
|                                      | *                                                                                           | 5825                 | 102.76              | -                       | -                           | 85.62                   | 32.92                         | 14.12                  | 29.9                       | 101                  | 351                     | A                     | H             |
|                                      |                                                                                             | 5851.2               | 61.21               | -58.25                  | 119.46                      | 44.12                   | 32.97                         | 14.03                  | 29.91                      | 101                  | 351                     | P                     | H             |
|                                      |                                                                                             | 5855.2               | 59.19               | -51.55                  | 110.74                      | 42.1                    | 32.98                         | 14.02                  | 29.91                      | 101                  | 351                     | P                     | H             |
|                                      |                                                                                             | 5910.2               | 55.74               | -23.38                  | 79.12                       | 38.75                   | 33.1                          | 13.83                  | 29.94                      | 101                  | 351                     | P                     | H             |
|                                      |                                                                                             | 5929.4               | 54.77               | -13.43                  | 68.2                        | 37.81                   | 33.14                         | 13.77                  | 29.95                      | 101                  | 351                     | P                     | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                      | *                                                                                           | 5825                 | 112.38              | -                       | -                           | 95.24                   | 32.92                         | 14.12                  | 29.9                       | 101                  | 6                       | P                     | V             |
|                                      | *                                                                                           | 5825                 | 103.86              | -                       | -                           | 86.72                   | 32.92                         | 14.12                  | 29.9                       | 101                  | 6                       | A                     | V             |
|                                      |                                                                                             | 5854.4               | 63.23               | -48.94                  | 112.17                      | 46.14                   | 32.98                         | 14.02                  | 29.91                      | 101                  | 6                       | P                     | V             |
|                                      |                                                                                             | 5855                 | 60.91               | -49.89                  | 110.8                       | 43.82                   | 32.98                         | 14.02                  | 29.91                      | 101                  | 6                       | P                     | V             |
|                                      |                                                                                             | 5915.2               | 55.73               | -19.7                   | 75.43                       | 38.75                   | 33.11                         | 13.81                  | 29.94                      | 101                  | 6                       | P                     | V             |
|                                      |                                                                                             | 5934.2               | 56.32               | -11.88                  | 68.2                        | 39.36                   | 33.16                         | 13.75                  | 29.95                      | 101                  | 6                       | P                     | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI                                 | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 3                                    |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |                                                              | 11490     | 46.03      | -27.97 | 74         | 50.14    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | H       |
|                                      |                                                              | 17235     | 49.89      | -18.31 | 68.2       | 42.58    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 11490     | 45.79      | -28.21 | 74         | 49.9     | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | V       |
|                                      |                                                              | 17235     | 50.29      | -17.91 | 68.2       | 42.98    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11n<br>HT20<br>CH 157<br>5785MHz |                                                              | 11570     | 46.32      | -27.68 | 74         | 50.54    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | H       |
|                                      |                                                              | 17355     | 50.89      | -17.31 | 68.2       | 42.53    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 11570     | 45.94      | -28.06 | 74         | 50.16    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | V       |
|                                      |                                                              | 17355     | 51.99      | -16.21 | 68.2       | 43.63    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11n<br>HT20<br>CH 165<br>5825MHz |                                                              | 11650     | 46.33      | -27.67 | 74         | 50.66    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | H       |
|                                      |                                                              | 17475     | 50.23      | -17.97 | 68.2       | 40.83    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 11650     | 46.1       | -27.9  | 74         | 50.43    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | V       |
|                                      |                                                              | 17475     | 51.2       | -17    | 68.2       | 41.8     | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                               | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                      | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 3                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |      | 5646.2    | 56.37      | -11.83 | 68.2       | 39.88    | 32.52    | 13.78  | 29.81  | 101    | 350     | P       | H       |
|                                      |      | 5699.2    | 67.86      | -36.75 | 104.61     | 51.13    | 32.64    | 13.93  | 29.84  | 101    | 350     | P       | H       |
|                                      |      | 5717.2    | 75.87      | -34.15 | 110.02     | 59.05    | 32.68    | 13.98  | 29.84  | 101    | 350     | P       | H       |
|                                      |      | 5725      | 78.39      | -43.81 | 122.2      | 61.55    | 32.69    | 14     | 29.85  | 101    | 350     | P       | H       |
|                                      | *    | 5755      | 108.8      | -      | -          | 91.82    | 32.76    | 14.08  | 29.86  | 101    | 350     | P       | H       |
|                                      | *    | 5755      | 101.02     | -      | -          | 84.04    | 32.76    | 14.08  | 29.86  | 101    | 350     | A       | H       |
|                                      |      | 5853.4    | 56.18      | -58.27 | 114.45     | 39.09    | 32.98    | 14.02  | 29.91  | 101    | 350     | P       | H       |
|                                      |      | 5859.4    | 56.42      | -53.15 | 109.57     | 39.34    | 32.99    | 14     | 29.91  | 101    | 350     | P       | H       |
|                                      |      | 5875.6    | 56.98      | -47.77 | 104.75     | 39.92    | 33.03    | 13.95  | 29.92  | 101    | 350     | P       | H       |
|                                      |      | 5926.4    | 56.27      | -11.93 | 68.2       | 39.29    | 33.14    | 13.78  | 29.94  | 101    | 350     | P       | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      | 5640.6    | 55.68      | -12.52 | 68.2       | 39.21    | 32.51    | 13.77  | 29.81  | 105    | 360     | P       | V       |
|                                      |      | 5699      | 65.13      | -39.33 | 104.46     | 48.4     | 32.64    | 13.93  | 29.84  | 105    | 360     | P       | V       |
|                                      |      | 5719      | 77.6       | -32.92 | 110.52     | 60.79    | 32.68    | 13.98  | 29.85  | 105    | 360     | P       | V       |
|                                      |      | 5725      | 79.24      | -42.96 | 122.2      | 62.4     | 32.69    | 14     | 29.85  | 105    | 360     | P       | V       |
|                                      | *    | 5755      | 109.32     | -      | -          | 92.34    | 32.76    | 14.08  | 29.86  | 105    | 360     | P       | V       |
|                                      | *    | 5755      | 101.8      | -      | -          | 84.82    | 32.76    | 14.08  | 29.86  | 105    | 360     | A       | V       |
|                                      |      | 5852.8    | 58.13      | -57.69 | 115.82     | 41.04    | 32.98    | 14.02  | 29.91  | 105    | 360     | P       | V       |
|                                      |      | 5871.2    | 56.17      | -50.09 | 106.26     | 39.11    | 33.02    | 13.96  | 29.92  | 105    | 360     | P       | V       |
|                                      |      | 5880.4    | 57.31      | -43.88 | 101.19     | 40.26    | 33.04    | 13.93  | 29.92  | 105    | 360     | P       | V       |
|                                      |      | 5928.8    | 55.64      | -12.56 | 68.2       | 38.68    | 33.14    | 13.77  | 29.95  | 105    | 360     | P       | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| WIFI<br>Ant.<br>3                    | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                              | 5628                 | 54.48               | -13.72                  | 68.2                        | 38.06                     | 32.48                         | 13.74                  | 29.8                       | 100                  | 346                     | P                       | H               |
|                                      |                                                              | 5668.8               | 55.06               | -27.09                  | 82.15                       | 38.46                     | 32.57                         | 13.85                  | 29.82                      | 100                  | 346                     | P                       | H               |
|                                      |                                                              | 5714.8               | 57.61               | -51.74                  | 109.35                      | 40.81                     | 32.67                         | 13.97                  | 29.84                      | 100                  | 346                     | P                       | H               |
|                                      |                                                              | 5723                 | 58.4                | -59.24                  | 117.64                      | 41.57                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 346                     | P                       | H               |
|                                      | *                                                            | 5795                 | 108.17              | -                       | -                           | 91.01                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 346                     | P                       | H               |
|                                      | *                                                            | 5795                 | 100.68              | -                       | -                           | 83.52                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 346                     | A                       | H               |
|                                      |                                                              | 5852.6               | 61.53               | -54.74                  | 116.27                      | 44.44                     | 32.98                         | 14.02                  | 29.91                      | 100                  | 346                     | P                       | H               |
|                                      |                                                              | 5857.2               | 61.37               | -48.81                  | 110.18                      | 44.28                     | 32.99                         | 14.01                  | 29.91                      | 100                  | 346                     | P                       | H               |
|                                      |                                                              | 5877.4               | 56.54               | -46.88                  | 103.42                      | 39.49                     | 33.03                         | 13.94                  | 29.92                      | 100                  | 346                     | P                       | H               |
|                                      |                                                              | 5938.6               | 55.16               | -13.04                  | 68.2                        | 38.21                     | 33.16                         | 13.74                  | 29.95                      | 100                  | 346                     | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 5611.6               | 54.24               | -13.96                  | 68.2                        | 37.89                     | 32.45                         | 13.69                  | 29.79                      | 100                  | 360                     | P                       | V               |
|                                      |                                                              | 5698.2               | 54.99               | -48.88                  | 103.87                      | 38.26                     | 32.64                         | 13.93                  | 29.84                      | 100                  | 360                     | P                       | V               |
|                                      |                                                              | 5719.8               | 57.04               | -53.7                   | 110.74                      | 40.23                     | 32.68                         | 13.98                  | 29.85                      | 100                  | 360                     | P                       | V               |
|                                      |                                                              | 5723.8               | 57.72               | -61.74                  | 119.46                      | 40.89                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 360                     | P                       | V               |
|                                      | *                                                            | 5795                 | 108.92              | -                       | -                           | 91.76                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 360                     | P                       | V               |
|                                      | *                                                            | 5795                 | 101.08              | -                       | -                           | 83.92                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 360                     | A                       | V               |
|                                      |                                                              | 5852.6               | 63.94               | -52.33                  | 116.27                      | 46.85                     | 32.98                         | 14.02                  | 29.91                      | 100                  | 360                     | P                       | V               |
|                                      |                                                              | 5856                 | 64.08               | -46.44                  | 110.52                      | 47                        | 32.98                         | 14.01                  | 29.91                      | 100                  | 360                     | P                       | V               |
|                                      |                                                              | 5877.8               | 58.89               | -44.23                  | 103.12                      | 41.84                     | 33.03                         | 13.94                  | 29.92                      | 100                  | 360                     | P                       | V               |
|                                      |                                                              | 5927.2               | 55.13               | -13.07                  | 68.2                        | 38.17                     | 33.14                         | 13.77                  | 29.95                      | 100                  | 360                     | P                       | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.                                  |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                      | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI                                 | Note                                                         | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |                                                              |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3                                    |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |                                                              | 11510     | 45.98      | -28.02 | 74         | 50.11  | 39.69    | 18.39  | 62.21  | 100    | 0       | P     | H     |
|                                      |                                                              | 17265     | 50.35      | -17.85 | 68.2       | 42.79  | 43.28    | 23.3   | 59.02  | 100    | 0       | P     | H     |
|                                      |                                                              |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                      |                                                              |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                      |                                                              | 11510     | 45.99      | -28.01 | 74         | 50.12  | 39.69    | 18.39  | 62.21  | 100    | 0       | P     | V     |
|                                      |                                                              | 17265     | 49.75      | -18.45 | 68.2       | 42.19  | 43.28    | 23.3   | 59.02  | 100    | 0       | P     | V     |
|                                      |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                      |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                              | 11590     | 45.62      | -28.38 | 74         | 49.86  | 39.57    | 18.46  | 62.27  | 100    | 0       | P     | H     |
|                                      |                                                              | 17385     | 51.37      | -16.83 | 68.2       | 42.75  | 43.9     | 23.47  | 58.75  | 100    | 0       | P     | H     |
|                                      |                                                              |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                      |                                                              |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                      |                                                              | 11590     | 45.75      | -28.25 | 74         | 49.99  | 39.57    | 18.46  | 62.27  | 100    | 0       | P     | V     |
|                                      |                                                              | 17385     | 50.9       | -17.3  | 68.2       | 42.28  | 43.9     | 23.47  | 58.75  | 100    | 0       | P     | V     |
|                                      |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                      |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
| Remark                               | 1. No other spurious found.                                  |           |            |        |            |        |          |        |        |        |         |       |       |
|                                      | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



## Band 4 5725~5850MHz

## WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI                                   | Note                                                         | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|----------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                   |                                                              |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3                                      |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                              | 5645.8    | 59.14      | -9.06  | 68.2       | 42.65  | 32.52    | 13.78  | 29.81  | 107    | 347     | P     | H     |
|                                        |                                                              | 5697      | 71.55      | -31.44 | 102.99     | 54.83  | 32.63    | 13.92  | 29.83  | 107    | 347     | P     | H     |
|                                        |                                                              | 5717.2    | 75.6       | -34.42 | 110.02     | 58.78  | 32.68    | 13.98  | 29.84  | 107    | 347     | P     | H     |
|                                        |                                                              | 5722.4    | 73.28      | -42.99 | 116.27     | 56.45  | 32.69    | 13.99  | 29.85  | 107    | 347     | P     | H     |
|                                        | *                                                            | 5775      | 104.72     | -      | -          | 87.65  | 32.81    | 14.13  | 29.87  | 107    | 347     | P     | H     |
|                                        | *                                                            | 5775      | 97.1       | -      | -          | 80.03  | 32.81    | 14.13  | 29.87  | 107    | 347     | A     | H     |
|                                        |                                                              | 5850.4    | 73.98      | -47.31 | 121.29     | 56.89  | 32.97    | 14.03  | 29.91  | 107    | 347     | P     | H     |
|                                        |                                                              | 5866.6    | 71.09      | -36.46 | 107.55     | 54.02  | 33.01    | 13.98  | 29.92  | 107    | 347     | P     | H     |
|                                        |                                                              | 5875.2    | 67.25      | -37.8  | 105.05     | 50.19  | 33.03    | 13.95  | 29.92  | 107    | 347     | P     | H     |
|                                        |                                                              | 5926.8    | 57.16      | -11.04 | 68.2       | 40.18  | 33.14    | 13.78  | 29.94  | 107    | 347     | P     | H     |
|                                        |                                                              |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                        |                                                              |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                        |                                                              | 5647      | 58.14      | -10.06 | 68.2       | 41.64  | 32.52    | 13.79  | 29.81  | 100    | 358     | P     | V     |
|                                        |                                                              | 5696.8    | 71.15      | -31.69 | 102.84     | 54.43  | 32.63    | 13.92  | 29.83  | 100    | 358     | P     | V     |
|                                        |                                                              | 5717.4    | 75.93      | -34.14 | 110.07     | 59.11  | 32.68    | 13.98  | 29.84  | 100    | 358     | P     | V     |
|                                        |                                                              | 5720.6    | 75.51      | -36.66 | 112.17     | 58.68  | 32.69    | 13.99  | 29.85  | 100    | 358     | P     | V     |
|                                        | *                                                            | 5775      | 105.52     | -      | -          | 88.45  | 32.81    | 14.13  | 29.87  | 100    | 358     | P     | V     |
|                                        | *                                                            | 5775      | 97.76      | -      | -          | 80.69  | 32.81    | 14.13  | 29.87  | 100    | 358     | A     | V     |
|                                        |                                                              | 5853.6    | 75.02      | -38.97 | 113.99     | 57.93  | 32.98    | 14.02  | 29.91  | 100    | 358     | P     | V     |
|                                        |                                                              | 5856      | 74.27      | -36.25 | 110.52     | 57.19  | 32.98    | 14.01  | 29.91  | 100    | 358     | P     | V     |
|                                        |                                                              | 5877.2    | 66.82      | -36.75 | 103.57     | 49.77  | 33.03    | 13.94  | 29.92  | 100    | 358     | P     | V     |
|                                        |                                                              | 5939.6    | 56.04      | -12.16 | 68.2       | 39.09  | 33.17    | 13.73  | 29.95  | 100    | 358     | P     | V     |
|                                        |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                        |                                                              |           |            |        |            |        |          |        |        |        |         |       | V     |
| Remark                                 | 1. No other spurious found.                                  |           |            |        |            |        |          |        |        |        |         |       |       |
|                                        | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |

**Band 4 5725~5850MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

| WIFI                                   | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                   |                                                                                             |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3                                      |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                                                             | 11550     | 45.63      | -28.37 | 74         | 49.82  | 39.63    | 18.42  | 62.24  | 100    | 0       | P     | H     |
|                                        |                                                                                             | 17325     | 50.08      | -18.12 | 68.2       | 41.98  | 43.59    | 23.39  | 58.88  | 100    | 0       | P     | H     |
|                                        |                                                                                             |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                        |                                                                                             |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                        |                                                                                             | 11550     | 46.32      | -27.68 | 74         | 50.51  | 39.63    | 18.42  | 62.24  | 100    | 0       | P     | V     |
|                                        |                                                                                             | 17325     | 49.9       | -18.3  | 68.2       | 41.8   | 43.59    | 23.39  | 58.88  | 100    | 0       | P     | V     |
|                                        |                                                                                             |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                        |                                                                                             |           |            |        |            |        |          |        |        |        |         |       | V     |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |

## Emission below 1GHz

**5GHz 802.11ac VHT80 (LF @ 3m)**

| WIFI                                | Note                                                                       | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                |                                                                            |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3                                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 5GHz<br>802.11ac<br><br>VHT80<br>LF |                                                                            | 100.81    | 35.54      | -7.96  | 43.5       | 50.88  | 15.97    | 1.06   | 32.37  | 100    | 0       | P     | H     |
|                                     |                                                                            | 160.95    | 26.79      | -16.71 | 43.5       | 41.12  | 16.48    | 1.55   | 32.36  | -      | -       | P     | H     |
|                                     |                                                                            | 266.68    | 27.13      | -18.87 | 46         | 37.68  | 19.5     | 2.35   | 32.4   | -      | -       | P     | H     |
|                                     |                                                                            | 584.84    | 27.17      | -18.83 | 46         | 30.66  | 25.42    | 3.75   | 32.66  | -      | -       | P     | H     |
|                                     |                                                                            | 847.71    | 32.36      | -13.64 | 46         | 30.79  | 29.02    | 4.64   | 32.09  | -      | -       | P     | H     |
|                                     |                                                                            | 996.12    | 34.32      | -19.68 | 54         | 29.15  | 30.58    | 5.53   | 30.94  | -      | -       | P     | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            | 97.9      | 31.19      | -12.31 | 43.5       | 46.93  | 15.58    | 1.05   | 32.37  | 100    | 0       | P     | V     |
|                                     |                                                                            | 162.89    | 26.1       | -17.4  | 43.5       | 40.66  | 16.24    | 1.56   | 32.36  | -      | -       | P     | V     |
|                                     |                                                                            | 367.56    | 24.62      | -21.38 | 46         | 33.27  | 20.87    | 2.96   | 32.48  | -      | -       | P     | V     |
|                                     |                                                                            | 561.56    | 27.07      | -18.93 | 46         | 29.82  | 26.24    | 3.65   | 32.64  | -      | -       | P     | V     |
|                                     |                                                                            | 767.2     | 30.75      | -15.25 | 46         | 30.49  | 28.22    | 4.46   | 32.42  | -      | -       | P     | V     |
|                                     |                                                                            | 951.5     | 33.46      | -12.54 | 46         | 29.38  | 30.78    | 4.64   | 31.34  | -      | -       | P     | V     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



## Band 4 - 5725~5850MHz

## WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0+3                          |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11a<br>CH 149<br>5745MHz |      | 5607.8    | 55.34      | -12.86 | 68.2       | 39.01    | 32.44    | 13.68  | 29.79  | 289    | 64      | P     | H     |
|                              |      | 5690.6    | 55.41      | -42.86 | 98.27      | 38.72    | 32.62    | 13.9   | 29.83  | 289    | 64      | P     | H     |
|                              |      | 5715.4    | 57.51      | -52    | 109.51     | 40.71    | 32.67    | 13.97  | 29.84  | 289    | 64      | P     | H     |
|                              |      | 5724      | 63.01      | -56.91 | 119.92     | 46.18    | 32.69    | 13.99  | 29.85  | 289    | 64      | P     | H     |
|                              | *    | 5745      | 112.37     | -      | -          | 95.44    | 32.74    | 14.05  | 29.86  | 289    | 64      | P     | H     |
|                              | *    | 5745      | 104.92     | -      | -          | 87.99    | 32.74    | 14.05  | 29.86  | 289    | 64      | A     | H     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |      | 5621.6    | 54.17      | -14.03 | 68.2       | 37.78    | 32.47    | 13.72  | 29.8   | 100    | 101     | P     | V     |
|                              |      | 5681.6    | 54.94      | -36.68 | 91.62      | 38.29    | 32.6     | 13.88  | 29.83  | 100    | 101     | P     | V     |
|                              |      | 5717.4    | 57.02      | -53.05 | 110.07     | 40.2     | 32.68    | 13.98  | 29.84  | 100    | 101     | P     | V     |
|                              |      | 5725      | 59.83      | -62.37 | 122.2      | 42.99    | 32.69    | 14     | 29.85  | 100    | 101     | P     | V     |
|                              | *    | 5745      | 109.52     | -      | -          | 92.59    | 32.74    | 14.05  | 29.86  | 100    | 101     | P     | V     |
|                              | *    | 5745      | 101.74     | -      | -          | 84.81    | 32.74    | 14.05  | 29.86  | 100    | 101     | A     | V     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>0+3                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 157<br/>5785MHz</b> |      | 5606.4               | 55.39               | -12.81                  | 68.2                        | 39.07                     | 32.43                         | 13.68                  | 29.79                      | 288                  | 72                      | P                       | H               |
|                                       |      | 5692.8               | 54.55               | -45.34                  | 99.89                       | 37.85                     | 32.62                         | 13.91                  | 29.83                      | 288                  | 72                      | P                       | H               |
|                                       |      | 5720                 | 55.63               | -55.17                  | 110.8                       | 38.82                     | 32.68                         | 13.98                  | 29.85                      | 288                  | 72                      | P                       | H               |
|                                       |      | 5722.8               | 56.19               | -60.99                  | 117.18                      | 39.36                     | 32.69                         | 13.99                  | 29.85                      | 288                  | 72                      | P                       | H               |
|                                       | *    | 5785                 | 111.73              | -                       | -                           | 94.62                     | 32.83                         | 14.16                  | 29.88                      | 288                  | 72                      | P                       | H               |
|                                       | *    | 5785                 | 104.09              | -                       | -                           | 86.98                     | 32.83                         | 14.16                  | 29.88                      | 288                  | 72                      | A                       | H               |
|                                       |      | 5854.4               | 54.53               | -57.64                  | 112.17                      | 37.44                     | 32.98                         | 14.02                  | 29.91                      | 288                  | 72                      | P                       | H               |
|                                       |      | 5858.6               | 56.93               | -52.86                  | 109.79                      | 39.85                     | 32.99                         | 14                     | 29.91                      | 288                  | 72                      | P                       | H               |
|                                       |      | 5904.4               | 55.93               | -27.48                  | 83.41                       | 38.92                     | 33.09                         | 13.85                  | 29.93                      | 288                  | 72                      | P                       | H               |
|                                       |      | 5944.2               | 54.26               | -13.94                  | 68.2                        | 37.31                     | 33.18                         | 13.72                  | 29.95                      | 288                  | 72                      | P                       | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      | 5609.4               | 54.19               | -14.01                  | 68.2                        | 37.85                     | 32.44                         | 13.69                  | 29.79                      | 100                  | 105                     | P                       | V               |
|                                       |      | 5665.6               | 54.57               | -25.21                  | 79.78                       | 37.99                     | 32.56                         | 13.84                  | 29.82                      | 100                  | 105                     | P                       | V               |
|                                       |      | 5716.8               | 53.94               | -55.97                  | 109.91                      | 37.12                     | 32.68                         | 13.98                  | 29.84                      | 100                  | 105                     | P                       | V               |
|                                       |      | 5721.6               | 55                  | -59.45                  | 114.45                      | 38.17                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 105                     | P                       | V               |
|                                       | *    | 5785                 | 109.14              | -                       | -                           | 92.03                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 105                     | P                       | V               |
|                                       | *    | 5785                 | 101.52              | -                       | -                           | 84.41                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 105                     | A                       | V               |
|                                       |      | 5853.6               | 55.98               | -58.01                  | 113.99                      | 38.89                     | 32.98                         | 14.02                  | 29.91                      | 100                  | 105                     | P                       | V               |
|                                       |      | 5873.6               | 54.76               | -50.83                  | 105.59                      | 37.71                     | 33.02                         | 13.95                  | 29.92                      | 100                  | 105                     | P                       | V               |
|                                       |      | 5875.2               | 55.53               | -49.52                  | 105.05                      | 38.47                     | 33.03                         | 13.95                  | 29.92                      | 100                  | 105                     | P                       | V               |
|                                       |      | 5938.6               | 55.79               | -12.41                  | 68.2                        | 38.84                     | 33.16                         | 13.74                  | 29.95                      | 100                  | 105                     | P                       | V               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>0+3                                                                                                                                         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b>                                                                                                                       | *    | 5825                 | 110.77              | -                       | -                           | 93.63                     | 32.92                         | 14.12                  | 29.9                       | 295                  | 66                      | P                       | H               |
|                                                                                                                                                             | *    | 5825                 | 103.28              | -                       | -                           | 86.14                     | 32.92                         | 14.12                  | 29.9                       | 295                  | 66                      | A                       | H               |
|                                                                                                                                                             |      | 5850.4               | 57.1                | -64.19                  | 121.29                      | 40.01                     | 32.97                         | 14.03                  | 29.91                      | 295                  | 66                      | P                       | H               |
|                                                                                                                                                             |      | 5858.4               | 56.45               | -53.4                   | 109.85                      | 39.37                     | 32.99                         | 14                     | 29.91                      | 295                  | 66                      | P                       | H               |
|                                                                                                                                                             |      | 5887.6               | 55.84               | -40.01                  | 95.85                       | 38.81                     | 33.05                         | 13.91                  | 29.93                      | 295                  | 66                      | P                       | H               |
|                                                                                                                                                             |      | 5949                 | 54.7                | -13.5                   | 68.2                        | 37.77                     | 33.19                         | 13.7                   | 29.96                      | 295                  | 66                      | P                       | H               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                                                                                                             | *    | 5825                 | 108.4               | -                       | -                           | 91.26                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 102                     | P                       | V               |
|                                                                                                                                                             | *    | 5825                 | 100.84              | -                       | -                           | 83.7                      | 32.92                         | 14.12                  | 29.9                       | 100                  | 102                     | A                       | V               |
|                                                                                                                                                             |      | 5852.2               | 56.18               | -61                     | 117.18                      | 39.09                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 102                     | P                       | V               |
|                                                                                                                                                             |      | 5860.8               | 56.3                | -52.87                  | 109.17                      | 39.22                     | 32.99                         | 14                     | 29.91                      | 100                  | 102                     | P                       | V               |
|                                                                                                                                                             |      | 5885.8               | 55.64               | -41.54                  | 97.18                       | 38.61                     | 33.05                         | 13.91                  | 29.93                      | 100                  | 102                     | P                       | V               |
|                                                                                                                                                             |      | 5929.2               | 55.74               | -12.46                  | 68.2                        | 38.78                     | 33.14                         | 13.77                  | 29.95                      | 100                  | 102                     | P                       | V               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b> <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI                         | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+3                          |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |                                                              | 11490     | 47.95      | -26.05 | 74         | 52.06    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | H       |
|                              |                                                              | 17235     | 50.27      | -17.93 | 68.2       | 42.96    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11490     | 47.33      | -26.67 | 74         | 51.44    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | V       |
|                              |                                                              | 17235     | 49.81      | -18.39 | 68.2       | 42.5     | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 157<br>5785MHz |                                                              | 11570     | 48.96      | -25.04 | 74         | 53.18    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | H       |
|                              |                                                              | 17355     | 50.21      | -17.99 | 68.2       | 41.85    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11570     | 47.13      | -26.87 | 74         | 51.35    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | V       |
|                              |                                                              | 17355     | 50.21      | -17.99 | 68.2       | 41.85    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 165<br>5825MHz |                                                              | 11650     | 47.55      | -26.45 | 74         | 51.88    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | H       |
|                              |                                                              | 17475     | 51.71      | -16.49 | 68.2       | 42.31    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11650     | 47.18      | -26.82 | 74         | 51.51    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | V       |
|                              |                                                              | 17475     | 50.96      | -17.24 | 68.2       | 41.56    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                       | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                              | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0+3                                  |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |      | 5632.8    | 54.9       | -13.3  | 68.2       | 38.46    | 32.49    | 13.75  | 29.8   | 289    | 69      | P     | H     |
|                                      |      | 5696.2    | 56.27      | -46.13 | 102.4      | 39.55    | 32.63    | 13.92  | 29.83  | 289    | 69      | P     | H     |
|                                      |      | 5720      | 58.9       | -51.9  | 110.8      | 42.09    | 32.68    | 13.98  | 29.85  | 289    | 69      | P     | H     |
|                                      |      | 5723.8    | 62.34      | -57.12 | 119.46     | 45.51    | 32.69    | 13.99  | 29.85  | 289    | 69      | P     | H     |
|                                      | *    | 5745      | 112.03     | -      | -          | 95.1     | 32.74    | 14.05  | 29.86  | 289    | 69      | P     | H     |
|                                      | *    | 5745      | 103.94     | -      | -          | 87.01    | 32.74    | 14.05  | 29.86  | 289    | 69      | A     | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      | 5636.6    | 55.07      | -13.13 | 68.2       | 38.62    | 32.5     | 13.76  | 29.81  | 100    | 106     | P     | V     |
|                                      |      | 5691.2    | 54.53      | -44.18 | 98.71      | 37.83    | 32.62    | 13.91  | 29.83  | 100    | 106     | P     | V     |
|                                      |      | 5720      | 56.99      | -53.81 | 110.8      | 40.18    | 32.68    | 13.98  | 29.85  | 100    | 106     | P     | V     |
|                                      |      | 5724.6    | 59.39      | -61.9  | 121.29     | 42.55    | 32.69    | 14     | 29.85  | 100    | 106     | P     | V     |
|                                      | *    | 5745      | 108.48     | -      | -          | 91.55    | 32.74    | 14.05  | 29.86  | 100    | 106     | P     | V     |
|                                      | *    | 5745      | 100.81     | -      | -          | 83.88    | 32.74    | 14.05  | 29.86  | 100    | 106     | A     | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>0+3                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 157<br>5785MHz |      | 5639.4               | 55.4                | -12.8                   | 68.2                        | 38.93                     | 32.51                         | 13.77                  | 29.81                      | 287                  | 65                      | P                       | H               |
|                                      |      | 5690.8               | 54.38               | -44.04                  | 98.42                       | 37.68                     | 32.62                         | 13.91                  | 29.83                      | 287                  | 65                      | P                       | H               |
|                                      |      | 5719.8               | 54.43               | -56.31                  | 110.74                      | 37.62                     | 32.68                         | 13.98                  | 29.85                      | 287                  | 65                      | P                       | H               |
|                                      |      | 5724                 | 54.26               | -65.66                  | 119.92                      | 37.43                     | 32.69                         | 13.99                  | 29.85                      | 287                  | 65                      | P                       | H               |
|                                      | *    | 5785                 | 111.47              | -                       | -                           | 94.36                     | 32.83                         | 14.16                  | 29.88                      | 287                  | 65                      | P                       | H               |
|                                      | *    | 5785                 | 103.6               | -                       | -                           | 86.49                     | 32.83                         | 14.16                  | 29.88                      | 287                  | 65                      | A                       | H               |
|                                      |      | 5854.2               | 54.57               | -58.05                  | 112.62                      | 37.48                     | 32.98                         | 14.02                  | 29.91                      | 287                  | 65                      | P                       | H               |
|                                      |      | 5860.6               | 56.57               | -52.66                  | 109.23                      | 39.49                     | 32.99                         | 14                     | 29.91                      | 287                  | 65                      | P                       | H               |
|                                      |      | 5876.2               | 55.03               | -49.28                  | 104.31                      | 37.98                     | 33.03                         | 13.94                  | 29.92                      | 287                  | 65                      | P                       | H               |
|                                      |      | 5933.8               | 55.54               | -12.66                  | 68.2                        | 38.59                     | 33.15                         | 13.75                  | 29.95                      | 287                  | 65                      | P                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5622.4               | 54.86               | -13.34                  | 68.2                        | 38.47                     | 32.47                         | 13.72                  | 29.8                       | 100                  | 108                     | P                       | V               |
|                                      |      | 5682.4               | 54.5                | -37.71                  | 92.21                       | 37.85                     | 32.6                          | 13.88                  | 29.83                      | 100                  | 108                     | P                       | V               |
|                                      |      | 5712                 | 54.87               | -53.69                  | 108.56                      | 38.08                     | 32.67                         | 13.96                  | 29.84                      | 100                  | 108                     | P                       | V               |
|                                      |      | 5724.2               | 53.97               | -66.41                  | 120.38                      | 37.13                     | 32.69                         | 14                     | 29.85                      | 100                  | 108                     | P                       | V               |
|                                      | *    | 5785                 | 109.39              | -                       | -                           | 92.28                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 108                     | P                       | V               |
|                                      | *    | 5785                 | 100.96              | -                       | -                           | 83.85                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 108                     | A                       | V               |
|                                      |      | 5854.6               | 55.1                | -56.61                  | 111.71                      | 38.01                     | 32.98                         | 14.02                  | 29.91                      | 100                  | 108                     | P                       | V               |
|                                      |      | 5860                 | 55.35               | -54.05                  | 109.4                       | 38.27                     | 32.99                         | 14                     | 29.91                      | 100                  | 108                     | P                       | V               |
|                                      |      | 5884                 | 55.95               | -42.57                  | 98.52                       | 38.91                     | 33.04                         | 13.92                  | 29.92                      | 100                  | 108                     | P                       | V               |
|                                      |      | 5939.2               | 55.81               | -12.39                  | 68.2                        | 38.86                     | 33.17                         | 13.73                  | 29.95                      | 100                  | 108                     | P                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>0+3                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11n<br>HT20<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 111.53              | -                       | -                           | 94.39                     | 32.92                         | 14.12                  | 29.9                       | 283                  | 63                      | P                     | H             |
|                                      | *                                                                                           | 5825                 | 103.3               | -                       | -                           | 86.16                     | 32.92                         | 14.12                  | 29.9                       | 283                  | 63                      | A                     | H             |
|                                      |                                                                                             | 5852.4               | 58.45               | -58.28                  | 116.73                      | 41.36                     | 32.98                         | 14.02                  | 29.91                      | 283                  | 63                      | P                     | H             |
|                                      |                                                                                             | 5857.4               | 56.62               | -53.51                  | 110.13                      | 39.53                     | 32.99                         | 14.01                  | 29.91                      | 283                  | 63                      | P                     | H             |
|                                      |                                                                                             | 5904.6               | 55.99               | -27.27                  | 83.26                       | 38.98                     | 33.09                         | 13.85                  | 29.93                      | 283                  | 63                      | P                     | H             |
|                                      |                                                                                             | 5934.2               | 55.5                | -12.7                   | 68.2                        | 38.54                     | 33.16                         | 13.75                  | 29.95                      | 283                  | 63                      | P                     | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                                      | *                                                                                           | 5825                 | 108.53              | -                       | -                           | 91.39                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 101                     | P                     | V             |
|                                      | *                                                                                           | 5825                 | 100.67              | -                       | -                           | 83.53                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 101                     | A                     | V             |
|                                      |                                                                                             | 5850.4               | 56.58               | -64.71                  | 121.29                      | 39.49                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 101                     | P                     | V             |
|                                      |                                                                                             | 5856.8               | 56.58               | -53.72                  | 110.3                       | 39.5                      | 32.98                         | 14.01                  | 29.91                      | 100                  | 101                     | P                     | V             |
|                                      |                                                                                             | 5889.4               | 55.4                | -39.11                  | 94.51                       | 38.37                     | 33.06                         | 13.9                   | 29.93                      | 100                  | 101                     | P                     | V             |
|                                      |                                                                                             | 5942                 | 54.59               | -13.61                  | 68.2                        | 37.65                     | 33.17                         | 13.72                  | 29.95                      | 100                  | 101                     | P                     | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       |               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       |               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       |               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       |               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       |               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       |               |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Harmonic @ 3m)

| WIFI                                 | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |                                                                                             |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+3                                  |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |                                                                                             | 11490     | 47.77      | -26.23 | 74         | 51.88    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | H       |
|                                      |                                                                                             | 17235     | 49.84      | -18.36 | 68.2       | 42.53    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | H       |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                                                             | 11490     | 46.5       | -27.5  | 74         | 50.61    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | V       |
|                                      |                                                                                             | 17235     | 51.11      | -17.09 | 68.2       | 43.8     | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | V       |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11n<br>HT20<br>CH 157<br>5785MHz |                                                                                             | 11570     | 60.57      | -13.43 | 74         | 64.79    | 39.6     | 18.44  | 62.26  | 100    | 348     | P       | H       |
|                                      |                                                                                             | 11570     | 48.88      | -5.12  | 54         | 53.1     | 39.6     | 18.44  | 62.26  | 100    | 348     | A       | H       |
|                                      |                                                                                             | 17355     | 52.95      | -15.25 | 68.2       | 44.59    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | H       |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                                                             | 11570     | 49.88      | -24.12 | 74         | 54.1     | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | V       |
|                                      |                                                                                             | 17355     | 51.09      | -17.11 | 68.2       | 42.73    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | V       |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11n<br>HT20<br>CH 165<br>5825MHz |                                                                                             | 11650     | 59.1       | -14.9  | 74         | 63.43    | 39.49    | 18.5   | 62.32  | 209    | 346     | P       | H       |
|                                      |                                                                                             | 11650     | 48.18      | -5.82  | 54         | 52.51    | 39.49    | 18.5   | 62.32  | 209    | 346     | A       | H       |
|                                      |                                                                                             | 17475     | 51.95      | -16.25 | 68.2       | 42.55    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | H       |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                                                             | 11650     | 49.09      | -24.91 | 74         | 53.42    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | V       |
|                                      |                                                                                             | 17475     | 51.62      | -16.58 | 68.2       | 42.22    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | V       |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+3                                  |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |      | 5602.8    | 54.95      | -13.25 | 68.2       | 38.64    | 32.43    | 13.67  | 29.79  | 291    | 62      | P       | H       |
|                                      |      | 5699.2    | 61.54      | -43.07 | 104.61     | 44.81    | 32.64    | 13.93  | 29.84  | 291    | 62      | P       | H       |
|                                      |      | 5718.2    | 66.68      | -43.62 | 110.3      | 49.86    | 32.68    | 13.98  | 29.84  | 291    | 62      | P       | H       |
|                                      |      | 5723.8    | 68.13      | -51.33 | 119.46     | 51.3     | 32.69    | 13.99  | 29.85  | 291    | 62      | P       | H       |
|                                      | *    | 5755      | 109.15     | -      | -          | 92.17    | 32.76    | 14.08  | 29.86  | 291    | 62      | P       | H       |
|                                      | *    | 5755      | 101.2      | -      | -          | 84.22    | 32.76    | 14.08  | 29.86  | 291    | 62      | A       | H       |
|                                      |      | 5854.4    | 54.03      | -58.14 | 112.17     | 36.94    | 32.98    | 14.02  | 29.91  | 291    | 62      | P       | H       |
|                                      |      | 5865.8    | 54.68      | -53.09 | 107.77     | 37.62    | 33       | 13.98  | 29.92  | 291    | 62      | P       | H       |
|                                      |      | 5885.8    | 55.01      | -42.17 | 97.18      | 37.98    | 33.05    | 13.91  | 29.93  | 291    | 62      | P       | H       |
|                                      |      | 5931.6    | 54.91      | -13.29 | 68.2       | 37.95    | 33.15    | 13.76  | 29.95  | 291    | 62      | P       | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      | 5637.8    | 54.14      | -14.06 | 68.2       | 37.69    | 32.5     | 13.76  | 29.81  | 100    | 100     | P       | V       |
|                                      |      | 5699.6    | 59.23      | -45.68 | 104.91     | 42.5     | 32.64    | 13.93  | 29.84  | 100    | 100     | P       | V       |
|                                      |      | 5717.2    | 63.48      | -46.54 | 110.02     | 46.66    | 32.68    | 13.98  | 29.84  | 100    | 100     | P       | V       |
|                                      |      | 5722.2    | 64.99      | -50.83 | 115.82     | 48.16    | 32.69    | 13.99  | 29.85  | 100    | 100     | P       | V       |
|                                      | *    | 5755      | 106.39     | -      | -          | 89.41    | 32.76    | 14.08  | 29.86  | 100    | 100     | P       | V       |
|                                      | *    | 5755      | 98.46      | -      | -          | 81.48    | 32.76    | 14.08  | 29.86  | 100    | 100     | A       | V       |
|                                      |      | 5853.4    | 55.57      | -58.88 | 114.45     | 38.48    | 32.98    | 14.02  | 29.91  | 100    | 100     | P       | V       |
|                                      |      | 5874      | 54.84      | -50.64 | 105.48     | 37.79    | 33.02    | 13.95  | 29.92  | 100    | 100     | P       | V       |
|                                      |      | 5909      | 54.86      | -25.15 | 80.01      | 37.87    | 33.1     | 13.83  | 29.94  | 100    | 100     | P       | V       |
|                                      |      | 5931      | 54.69      | -13.51 | 68.2       | 37.73    | 33.15    | 13.76  | 29.95  | 100    | 100     | P       | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| WIFI<br>Ant.<br>0+3                            | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 159<br/>5795MHz</b> |                                                              | 5643.2               | 55.24               | -12.96                  | 68.2                        | 38.75                     | 32.52                         | 13.78                  | 29.81                      | 287                  | 64                      | P                       | H               |
|                                                |                                                              | 5689                 | 55.26               | -41.83                  | 97.09                       | 38.57                     | 32.62                         | 13.9                   | 29.83                      | 287                  | 64                      | P                       | H               |
|                                                |                                                              | 5717.4               | 56.49               | -53.58                  | 110.07                      | 39.67                     | 32.68                         | 13.98                  | 29.84                      | 287                  | 64                      | P                       | H               |
|                                                |                                                              | 5722.4               | 58.19               | -58.08                  | 116.27                      | 41.36                     | 32.69                         | 13.99                  | 29.85                      | 287                  | 64                      | P                       | H               |
|                                                | *                                                            | 5795                 | 108.45              | -                       | -                           | 91.29                     | 32.85                         | 14.19                  | 29.88                      | 287                  | 64                      | P                       | H               |
|                                                | *                                                            | 5795                 | 100.48              | -                       | -                           | 83.32                     | 32.85                         | 14.19                  | 29.88                      | 287                  | 64                      | A                       | H               |
|                                                |                                                              | 5852.8               | 59.82               | -56                     | 115.82                      | 42.73                     | 32.98                         | 14.02                  | 29.91                      | 287                  | 64                      | P                       | H               |
|                                                |                                                              | 5856.2               | 58.05               | -52.41                  | 110.46                      | 40.97                     | 32.98                         | 14.01                  | 29.91                      | 287                  | 64                      | P                       | H               |
|                                                |                                                              | 5875.8               | 56.64               | -47.97                  | 104.61                      | 39.58                     | 33.03                         | 13.95                  | 29.92                      | 287                  | 64                      | P                       | H               |
|                                                |                                                              | 5945                 | 55.98               | -12.22                  | 68.2                        | 39.04                     | 33.18                         | 13.71                  | 29.95                      | 287                  | 64                      | P                       | H               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |                                                              | 5633.6               | 55.56               | -12.64                  | 68.2                        | 39.12                     | 32.49                         | 13.75                  | 29.8                       | 100                  | 91                      | P                       | V               |
|                                                |                                                              | 5695.4               | 55.46               | -46.35                  | 101.81                      | 38.74                     | 32.63                         | 13.92                  | 29.83                      | 100                  | 91                      | P                       | V               |
|                                                |                                                              | 5711.4               | 55.57               | -52.82                  | 108.39                      | 38.78                     | 32.67                         | 13.96                  | 29.84                      | 100                  | 91                      | P                       | V               |
|                                                |                                                              | 5723.4               | 55.18               | -63.37                  | 118.55                      | 38.35                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 91                      | P                       | V               |
|                                                | *                                                            | 5795                 | 106.63              | -                       | -                           | 89.47                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 91                      | P                       | V               |
|                                                | *                                                            | 5795                 | 98.58               | -                       | -                           | 81.42                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 91                      | A                       | V               |
|                                                |                                                              | 5854.8               | 57.94               | -53.32                  | 111.26                      | 40.85                     | 32.98                         | 14.02                  | 29.91                      | 100                  | 91                      | P                       | V               |
|                                                |                                                              | 5855.8               | 57.88               | -52.7                   | 110.58                      | 40.8                      | 32.98                         | 14.01                  | 29.91                      | 100                  | 91                      | P                       | V               |
|                                                |                                                              | 5878                 | 55.02               | -47.95                  | 102.97                      | 37.97                     | 33.03                         | 13.94                  | 29.92                      | 100                  | 91                      | P                       | V               |
|                                                |                                                              | 5928.2               | 55.3                | -12.9                   | 68.2                        | 38.34                     | 33.14                         | 13.77                  | 29.95                      | 100                  | 91                      | P                       | V               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b>                                  | 1. No other spurious found.                                  |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                                | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Band 4 5725~5850MHz**

**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI                                 | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+3                                  |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |                                                              | 11510     | 47.31      | -26.69 | 74         | 51.44    | 39.69    | 18.39  | 62.21  | 100    | 0       | P       | H       |
|                                      |                                                              | 17265     | 50.99      | -17.21 | 68.2       | 43.43    | 43.28    | 23.3   | 59.02  | 100    | 0       | P       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 11510     | 46.86      | -27.14 | 74         | 50.99    | 39.69    | 18.39  | 62.21  | 100    | 0       | P       | V       |
|                                      |                                                              | 17265     | 50         | -18.2  | 68.2       | 42.44    | 43.28    | 23.3   | 59.02  | 100    | 0       | P       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                              | 11590     | 46.66      | -27.34 | 74         | 50.9     | 39.57    | 18.46  | 62.27  | 100    | 0       | P       | H       |
|                                      |                                                              | 17385     | 51.09      | -17.11 | 68.2       | 42.47    | 43.9     | 23.47  | 58.75  | 100    | 0       | P       | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |                                                              | 11590     | 45.95      | -28.05 | 74         | 50.19    | 39.57    | 18.46  | 62.27  | 100    | 0       | P       | V       |
|                                      |                                                              | 17385     | 51.14      | -17.06 | 68.2       | 42.52    | 43.9     | 23.47  | 58.75  | 100    | 0       | P       | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                               | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                      | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI                                   | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+3                                    |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                              | 5644.6    | 56.97      | -11.23 | 68.2       | 40.48    | 32.52    | 13.78  | 29.81  | 286    | 63      | P       | H       |
|                                        |                                                              | 5698.8    | 65.53      | -38.79 | 104.32     | 48.8     | 32.64    | 13.93  | 29.84  | 286    | 63      | P       | H       |
|                                        |                                                              | 5717.2    | 66.98      | -43.04 | 110.02     | 50.16    | 32.68    | 13.98  | 29.84  | 286    | 63      | P       | H       |
|                                        |                                                              | 5721.8    | 68.19      | -46.71 | 114.9      | 51.36    | 32.69    | 13.99  | 29.85  | 286    | 63      | P       | H       |
|                                        | *                                                            | 5775      | 105.52     | -      | -          | 88.45    | 32.81    | 14.13  | 29.87  | 286    | 63      | P       | H       |
|                                        | *                                                            | 5775      | 97.83      | -      | -          | 80.76    | 32.81    | 14.13  | 29.87  | 286    | 63      | A       | H       |
|                                        |                                                              | 5850.4    | 66.25      | -55.04 | 121.29     | 49.16    | 32.97    | 14.03  | 29.91  | 286    | 63      | P       | H       |
|                                        |                                                              | 5855.4    | 64.28      | -46.41 | 110.69     | 47.2     | 32.98    | 14.01  | 29.91  | 286    | 63      | P       | H       |
|                                        |                                                              | 5876.6    | 60.55      | -43.46 | 104.01     | 43.5     | 33.03    | 13.94  | 29.92  | 286    | 63      | P       | H       |
|                                        |                                                              | 5947.8    | 55.22      | -12.98 | 68.2       | 38.28    | 33.19    | 13.7   | 29.95  | 286    | 63      | P       | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              | 5648.6    | 56.9       | -11.3  | 68.2       | 40.39    | 32.53    | 13.79  | 29.81  | 100    | 92      | P       | V       |
|                                        |                                                              | 5699.8    | 62.78      | -42.27 | 105.05     | 46.05    | 32.64    | 13.93  | 29.84  | 100    | 92      | P       | V       |
|                                        |                                                              | 5717.2    | 65.52      | -44.5  | 110.02     | 48.7     | 32.68    | 13.98  | 29.84  | 100    | 92      | P       | V       |
|                                        |                                                              | 5721.8    | 65.84      | -49.06 | 114.9      | 49.01    | 32.69    | 13.99  | 29.85  | 100    | 92      | P       | V       |
|                                        | *                                                            | 5775      | 102.72     | -      | -          | 85.65    | 32.81    | 14.13  | 29.87  | 100    | 92      | P       | V       |
|                                        | *                                                            | 5775      | 95.21      | -      | -          | 78.14    | 32.81    | 14.13  | 29.87  | 100    | 92      | A       | V       |
|                                        |                                                              | 5850.6    | 65.93      | -54.9  | 120.83     | 48.84    | 32.97    | 14.03  | 29.91  | 100    | 92      | P       | V       |
|                                        |                                                              | 5857.2    | 64.56      | -45.62 | 110.18     | 47.47    | 32.99    | 14.01  | 29.91  | 100    | 92      | P       | V       |
|                                        |                                                              | 5875.8    | 59.9       | -44.71 | 104.61     | 42.84    | 33.03    | 13.95  | 29.92  | 100    | 92      | P       | V       |
|                                        |                                                              | 5945.6    | 55.06      | -13.14 | 68.2       | 38.12    | 33.18    | 13.71  | 29.95  | 100    | 92      | P       | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                        | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |

**Band 4 5725~5850MHz****WIFI 802.11ac VHT80 (Harmonic @ 3m)**

| WIFI                                   | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |                                                                                             |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+3                                    |                                                                                             | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                                                             | 11550     | 46.49      | -27.51 | 74         | 50.68    | 39.63    | 18.42  | 62.24  | 100    | 0       | P       | H       |
|                                        |                                                                                             | 17325     | 50.24      | -17.96 | 68.2       | 42.14    | 43.59    | 23.39  | 58.88  | 100    | 0       | P       | H       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                                                             | 11550     | 46.7       | -27.3  | 74         | 50.89    | 39.63    | 18.42  | 62.24  | 100    | 0       | P       | V       |
|                                        |                                                                                             | 17325     | 50.97      | -17.23 | 68.2       | 42.87    | 43.59    | 23.39  | 58.88  | 100    | 0       | P       | V       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |

## Emission below 1GHz

## 5GHz WIFI 802.11ac VHT80 (LF @ 3m)

| WIFI                                | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0+3                                 |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 5GHz<br>802.11ac<br><br>VHT80<br>LF |                                                                            | 97.9      | 36.59      | -6.91  | 43.5       | 52.33    | 15.58    | 1.05   | 32.37  | 100    | 0       | P     | H     |
|                                     |                                                                            | 159.01    | 29.18      | -14.32 | 43.5       | 43.37    | 16.62    | 1.55   | 32.36  | -      | -       | P     | H     |
|                                     |                                                                            | 450.01    | 24.63      | -21.37 | 46         | 30.86    | 23.14    | 3.17   | 32.54  | -      | -       | P     | H     |
|                                     |                                                                            | 727.43    | 29.35      | -16.65 | 46         | 30.04    | 27.46    | 4.33   | 32.48  | -      | -       | P     | H     |
|                                     |                                                                            | 835.1     | 31.15      | -14.85 | 46         | 29.99    | 28.76    | 4.56   | 32.16  | -      | -       | P     | H     |
|                                     |                                                                            | 961.2     | 33.98      | -20.02 | 54         | 29.39    | 31       | 4.84   | 31.25  | -      | -       | P     | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            | 96.93     | 33.2       | -10.3  | 43.5       | 49.08    | 15.45    | 1.04   | 32.37  | 100    | 0       | P     | V     |
|                                     |                                                                            | 173.56    | 26.76      | -16.74 | 43.5       | 42.16    | 15.36    | 1.6    | 32.36  | -      | -       | P     | V     |
|                                     |                                                                            | 411.21    | 23.51      | -22.49 | 46         | 30.54    | 22.27    | 3.21   | 32.51  | -      | -       | P     | V     |
|                                     |                                                                            | 723.55    | 30.55      | -15.45 | 46         | 31.47    | 27.27    | 4.3    | 32.49  | -      | -       | P     | V     |
|                                     |                                                                            | 944.71    | 33.94      | -12.06 | 46         | 30.12    | 30.6     | 4.62   | 31.4   | -      | -       | P     | V     |
|                                     |                                                                            | 965.08    | 34.07      | -19.93 | 54         | 29.41    | 30.97    | 4.91   | 31.22  | -      | -       | P     | V     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



&lt;Camera Mode&gt;

## Band 4 - 5725~5850MHz

## WIFI 802.11a (Band Edge @ 3m)

| WIFI Ant.                    | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 3                            |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |      | 5640.8    | 55.18      | -13.02     | 68.2       | 38.71      | 32.51          | 13.77     | 29.81         | 111     | 24        | P         | H       |
|                              |      | 5688.8    | 55.77      | -41.17     | 96.94      | 39.08      | 32.62          | 13.9      | 29.83         | 111     | 24        | P         | H       |
|                              |      | 5718.4    | 64.51      | -45.84     | 110.35     | 47.69      | 32.68          | 13.98     | 29.84         | 111     | 24        | P         | H       |
|                              |      | 5724.4    | 69.8       | -51.03     | 120.83     | 52.96      | 32.69          | 14        | 29.85         | 111     | 24        | P         | H       |
|                              | *    | 5745      | 111.49     | -          | -          | 94.56      | 32.74          | 14.05     | 29.86         | 111     | 24        | P         | H       |
|                              | *    | 5745      | 103.84     | -          | -          | 86.91      | 32.74          | 14.05     | 29.86         | 111     | 24        | A         | H       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |      | 5633.6    | 55.19      | -13.01     | 68.2       | 38.75      | 32.49          | 13.75     | 29.8          | 109     | 0         | P         | V       |
|                              |      | 5673.8    | 55.13      | -30.72     | 85.85      | 38.51      | 32.58          | 13.86     | 29.82         | 109     | 0         | P         | V       |
|                              |      | 5717.2    | 66.64      | -43.38     | 110.02     | 49.82      | 32.68          | 13.98     | 29.84         | 109     | 0         | P         | V       |
|                              |      | 5724.8    | 69.08      | -52.66     | 121.74     | 52.24      | 32.69          | 14        | 29.85         | 109     | 0         | P         | V       |
|                              | *    | 5745      | 111.62     | -          | -          | 94.69      | 32.74          | 14.05     | 29.86         | 109     | 0         | P         | V       |
|                              | *    | 5745      | 103.75     | -          | -          | 86.82      | 32.74          | 14.05     | 29.86         | 109     | 0         | A         | V       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | V       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | V       |



| WIFI<br>Ant.<br>3            | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 157<br>5785MHz |      | 5641.6               | 54.34               | -13.86                  | 68.2                        | 37.87                     | 32.51                         | 13.77                  | 29.81                      | 104                  | 23                      | P                       | H               |
|                              |      | 5684                 | 54.25               | -39.15                  | 93.4                        | 37.59                     | 32.6                          | 13.89                  | 29.83                      | 104                  | 23                      | P                       | H               |
|                              |      | 5700.4               | 55.06               | -50.25                  | 105.31                      | 38.33                     | 32.64                         | 13.93                  | 29.84                      | 104                  | 23                      | P                       | H               |
|                              |      | 5723.2               | 55.03               | -63.07                  | 118.1                       | 38.2                      | 32.69                         | 13.99                  | 29.85                      | 104                  | 23                      | P                       | H               |
|                              | *    | 5785                 | 111.6               | -                       | -                           | 94.49                     | 32.83                         | 14.16                  | 29.88                      | 104                  | 23                      | P                       | H               |
|                              | *    | 5785                 | 104.25              | -                       | -                           | 87.14                     | 32.83                         | 14.16                  | 29.88                      | 104                  | 23                      | A                       | H               |
|                              |      | 5853                 | 54.29               | -61.07                  | 115.36                      | 37.2                      | 32.98                         | 14.02                  | 29.91                      | 104                  | 23                      | P                       | H               |
|                              |      | 5869.2               | 54.4                | -52.42                  | 106.82                      | 37.34                     | 33.01                         | 13.97                  | 29.92                      | 104                  | 23                      | P                       | H               |
|                              |      | 5885.6               | 55.04               | -42.29                  | 97.33                       | 38.01                     | 33.05                         | 13.91                  | 29.93                      | 104                  | 23                      | P                       | H               |
|                              |      | 5940                 | 55.54               | -12.66                  | 68.2                        | 38.59                     | 33.17                         | 13.73                  | 29.95                      | 104                  | 23                      | P                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5617                 | 54.29               | -13.91                  | 68.2                        | 37.92                     | 32.46                         | 13.71                  | 29.8                       | 115                  | 1                       | P                       | V               |
|                              |      | 5659.8               | 55.79               | -19.69                  | 75.48                       | 39.24                     | 32.55                         | 13.82                  | 29.82                      | 115                  | 1                       | P                       | V               |
|                              |      | 5715.4               | 54.33               | -55.18                  | 109.51                      | 37.53                     | 32.67                         | 13.97                  | 29.84                      | 115                  | 1                       | P                       | V               |
|                              |      | 5720.8               | 55.18               | -57.44                  | 112.62                      | 38.35                     | 32.69                         | 13.99                  | 29.85                      | 115                  | 1                       | P                       | V               |
|                              | *    | 5785                 | 111.67              | -                       | -                           | 94.56                     | 32.83                         | 14.16                  | 29.88                      | 115                  | 1                       | P                       | V               |
|                              | *    | 5785                 | 104.37              | -                       | -                           | 87.26                     | 32.83                         | 14.16                  | 29.88                      | 115                  | 1                       | A                       | V               |
|                              |      | 5854.8               | 54.58               | -56.68                  | 111.26                      | 37.49                     | 32.98                         | 14.02                  | 29.91                      | 115                  | 1                       | P                       | V               |
|                              |      | 5863.8               | 55.21               | -53.12                  | 108.33                      | 38.13                     | 33                            | 13.99                  | 29.91                      | 115                  | 1                       | P                       | V               |
|                              |      | 5917.2               | 55.18               | -18.77                  | 73.95                       | 38.19                     | 33.12                         | 13.81                  | 29.94                      | 115                  | 1                       | P                       | V               |
|                              |      | 5928                 | 55.18               | -13.02                  | 68.2                        | 38.22                     | 33.14                         | 13.77                  | 29.95                      | 115                  | 1                       | P                       | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3                                                                                                                                           | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b>                                                                                                                       | *    | 5825                 | 110.69              | -                       | -                           | 93.55                     | 32.92                         | 14.12                  | 29.9                       | 101                  | 24                      | P                       | H               |
|                                                                                                                                                             | *    | 5825                 | 103.63              | -                       | -                           | 86.49                     | 32.92                         | 14.12                  | 29.9                       | 101                  | 24                      | A                       | H               |
|                                                                                                                                                             |      | 5850                 | 67.61               | -54.59                  | 122.2                       | 50.52                     | 32.97                         | 14.03                  | 29.91                      | 101                  | 24                      | P                       | H               |
|                                                                                                                                                             |      | 5856.8               | 64.69               | -45.61                  | 110.3                       | 47.61                     | 32.98                         | 14.01                  | 29.91                      | 101                  | 24                      | P                       | H               |
|                                                                                                                                                             |      | 5913.2               | 55.65               | -21.25                  | 76.9                        | 38.66                     | 33.11                         | 13.82                  | 29.94                      | 101                  | 24                      | P                       | H               |
|                                                                                                                                                             |      | 5945.8               | 54.84               | -13.36                  | 68.2                        | 37.9                      | 33.18                         | 13.71                  | 29.95                      | 101                  | 24                      | P                       | H               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                                                                                                             | *    | 5825                 | 111.71              | -                       | -                           | 94.57                     | 32.92                         | 14.12                  | 29.9                       | 116                  | 0                       | P                       | V               |
|                                                                                                                                                             | *    | 5825                 | 104.19              | -                       | -                           | 87.05                     | 32.92                         | 14.12                  | 29.9                       | 116                  | 0                       | A                       | V               |
|                                                                                                                                                             |      | 5850.2               | 68.85               | -52.89                  | 121.74                      | 51.76                     | 32.97                         | 14.03                  | 29.91                      | 116                  | 0                       | P                       | V               |
|                                                                                                                                                             |      | 5858                 | 66.65               | -43.31                  | 109.96                      | 49.56                     | 32.99                         | 14.01                  | 29.91                      | 116                  | 0                       | P                       | V               |
|                                                                                                                                                             |      | 5875.2               | 57.63               | -47.42                  | 105.05                      | 40.57                     | 33.03                         | 13.95                  | 29.92                      | 116                  | 0                       | P                       | V               |
|                                                                                                                                                             |      | 5932.4               | 54.39               | -13.81                  | 68.2                        | 37.43                     | 33.15                         | 13.76                  | 29.95                      | 116                  | 0                       | P                       | V               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b> <ol style="list-style-type: none"> <li>No other spurious found.</li> <li>All results are PASS against Peak and Average limit line.</li> </ol> |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI                         | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 3                            |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |                                                              | 11490     | 47.89      | -26.11 | 74         | 52       | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | H       |
|                              |                                                              | 17235     | 52.21      | -15.99 | 68.2       | 44.9     | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11490     | 47.15      | -26.85 | 74         | 51.26    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | V       |
|                              |                                                              | 17235     | 51.69      | -16.51 | 68.2       | 44.38    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 157<br>5785MHz |                                                              | 11570     | 48.12      | -25.88 | 74         | 52.34    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | H       |
|                              |                                                              | 17355     | 51.79      | -16.41 | 68.2       | 43.43    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11570     | 47.56      | -26.44 | 74         | 51.78    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | V       |
|                              |                                                              | 17355     | 51.43      | -16.77 | 68.2       | 43.07    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 165<br>5825MHz |                                                              | 11650     | 53.4       | -20.6  | 74         | 57.73    | 39.49    | 18.5   | 62.32  | 202    | 333     | P       | H       |
|                              |                                                              | 11650     | 42.5       | -11.5  | 54         | 46.83    | 39.49    | 18.5   | 62.32  | 202    | 333     | A       | H       |
|                              |                                                              | 17475     | 51.59      | -16.61 | 68.2       | 42.19    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11650     | 49.39      | -24.61 | 74         | 53.72    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | V       |
|                              |                                                              | 17475     | 51.82      | -16.38 | 68.2       | 42.42    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                       | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                              | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |      | 5650      | 55.35      | -12.85 | 68.2       | 38.83    | 32.53    | 13.8   | 29.81  | 109    | 25      | P     | H     |
|                                      |      | 5693      | 56.49      | -43.55 | 100.04     | 39.79    | 32.62    | 13.91  | 29.83  | 109    | 25      | P     | H     |
|                                      |      | 5718.6    | 67.86      | -42.55 | 110.41     | 51.04    | 32.68    | 13.98  | 29.84  | 109    | 25      | P     | H     |
|                                      |      | 5723.8    | 74.81      | -44.65 | 119.46     | 57.98    | 32.69    | 13.99  | 29.85  | 109    | 25      | P     | H     |
|                                      | *    | 5745      | 111.32     | -      | -          | 94.39    | 32.74    | 14.05  | 29.86  | 109    | 25      | P     | H     |
|                                      | *    | 5745      | 103.48     | -      | -          | 86.55    | 32.74    | 14.05  | 29.86  | 109    | 25      | A     | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      | 5641.6    | 55.07      | -13.13 | 68.2       | 38.6     | 32.51    | 13.77  | 29.81  | 108    | 1       | P     | V     |
|                                      |      | 5693.4    | 56.26      | -44.07 | 100.33     | 39.55    | 32.63    | 13.91  | 29.83  | 108    | 1       | P     | V     |
|                                      |      | 5717.4    | 67.01      | -43.06 | 110.07     | 50.19    | 32.68    | 13.98  | 29.84  | 108    | 1       | P     | V     |
|                                      |      | 5724.2    | 74.35      | -46.03 | 120.38     | 57.51    | 32.69    | 14     | 29.85  | 108    | 1       | P     | V     |
|                                      | *    | 5745      | 111.76     | -      | -          | 94.83    | 32.74    | 14.05  | 29.86  | 108    | 1       | P     | V     |
|                                      | *    | 5745      | 103.55     | -      | -          | 86.62    | 32.74    | 14.05  | 29.86  | 108    | 1       | A     | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>3                    | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 157<br>5785MHz |      | 5625                 | 53.92               | -14.28                  | 68.2                        | 37.52                     | 32.47                         | 13.73                  | 29.8                       | 102                  | 24                      | P                       | H               |
|                                      |      | 5656.6               | 54.11               | -18.99                  | 73.1                        | 37.58                     | 32.54                         | 13.81                  | 29.82                      | 102                  | 24                      | P                       | H               |
|                                      |      | 5703.8               | 54.49               | -51.78                  | 106.27                      | 37.74                     | 32.65                         | 13.94                  | 29.84                      | 102                  | 24                      | P                       | H               |
|                                      |      | 5721.4               | 53.62               | -60.37                  | 113.99                      | 36.79                     | 32.69                         | 13.99                  | 29.85                      | 102                  | 24                      | P                       | H               |
|                                      | *    | 5785                 | 111.36              | -                       | -                           | 94.25                     | 32.83                         | 14.16                  | 29.88                      | 102                  | 24                      | P                       | H               |
|                                      | *    | 5785                 | 103.63              | -                       | -                           | 86.52                     | 32.83                         | 14.16                  | 29.88                      | 102                  | 24                      | A                       | H               |
|                                      |      | 5851                 | 54.81               | -65.11                  | 119.92                      | 37.72                     | 32.97                         | 14.03                  | 29.91                      | 102                  | 24                      | P                       | H               |
|                                      |      | 5864.6               | 54.93               | -53.18                  | 108.11                      | 37.87                     | 33                            | 13.98                  | 29.92                      | 102                  | 24                      | P                       | H               |
|                                      |      | 5897.2               | 55.45               | -33.28                  | 88.73                       | 38.44                     | 33.07                         | 13.87                  | 29.93                      | 102                  | 24                      | P                       | H               |
|                                      |      | 5929.8               | 54.16               | -14.04                  | 68.2                        | 37.19                     | 33.15                         | 13.77                  | 29.95                      | 102                  | 24                      | P                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5611                 | 53.5                | -14.7                   | 68.2                        | 37.16                     | 32.44                         | 13.69                  | 29.79                      | 111                  | 1                       | P                       | V               |
|                                      |      | 5672.4               | 55.03               | -29.79                  | 84.82                       | 38.41                     | 32.58                         | 13.86                  | 29.82                      | 111                  | 1                       | P                       | V               |
|                                      |      | 5706.8               | 54.35               | -52.76                  | 107.11                      | 37.59                     | 32.65                         | 13.95                  | 29.84                      | 111                  | 1                       | P                       | V               |
|                                      |      | 5720.8               | 54.55               | -58.07                  | 112.62                      | 37.72                     | 32.69                         | 13.99                  | 29.85                      | 111                  | 1                       | P                       | V               |
|                                      | *    | 5785                 | 111.65              | -                       | -                           | 94.54                     | 32.83                         | 14.16                  | 29.88                      | 111                  | 1                       | P                       | V               |
|                                      | *    | 5785                 | 103.81              | -                       | -                           | 86.7                      | 32.83                         | 14.16                  | 29.88                      | 111                  | 1                       | A                       | V               |
|                                      |      | 5852.4               | 54.59               | -62.14                  | 116.73                      | 37.5                      | 32.98                         | 14.02                  | 29.91                      | 111                  | 1                       | P                       | V               |
|                                      |      | 5859.2               | 55.9                | -53.72                  | 109.62                      | 38.82                     | 32.99                         | 14                     | 29.91                      | 111                  | 1                       | P                       | V               |
|                                      |      | 5914.2               | 56.47               | -19.7                   | 76.17                       | 39.48                     | 33.11                         | 13.82                  | 29.94                      | 111                  | 1                       | P                       | V               |
|                                      |      | 5928                 | 55.44               | -12.76                  | 68.2                        | 38.48                     | 33.14                         | 13.77                  | 29.95                      | 111                  | 1                       | P                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 110.86              | -                       | -                           | 93.72                     | 32.92                         | 14.12                  | 29.9                       | 105                  | 23                      | P                       | H               |
|                                      | *                                                                                           | 5825                 | 103.48              | -                       | -                           | 86.34                     | 32.92                         | 14.12                  | 29.9                       | 105                  | 23                      | A                       | H               |
|                                      |                                                                                             | 5850.2               | 67.32               | -54.42                  | 121.74                      | 50.23                     | 32.97                         | 14.03                  | 29.91                      | 105                  | 23                      | P                       | H               |
|                                      |                                                                                             | 5855.2               | 64.67               | -46.07                  | 110.74                      | 47.58                     | 32.98                         | 14.02                  | 29.91                      | 105                  | 23                      | P                       | H               |
|                                      |                                                                                             | 5917.4               | 56.11               | -17.69                  | 73.8                        | 39.12                     | 33.12                         | 13.81                  | 29.94                      | 105                  | 23                      | P                       | H               |
|                                      |                                                                                             | 5926.4               | 54.57               | -13.63                  | 68.2                        | 37.59                     | 33.14                         | 13.78                  | 29.94                      | 105                  | 23                      | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      | *                                                                                           | 5825                 | 111.73              | -                       | -                           | 94.59                     | 32.92                         | 14.12                  | 29.9                       | 116                  | 1                       | P                       | V               |
|                                      | *                                                                                           | 5825                 | 103.93              | -                       | -                           | 86.79                     | 32.92                         | 14.12                  | 29.9                       | 116                  | 1                       | A                       | V               |
|                                      |                                                                                             | 5850.2               | 69.65               | -52.09                  | 121.74                      | 52.56                     | 32.97                         | 14.03                  | 29.91                      | 116                  | 1                       | P                       | V               |
|                                      |                                                                                             | 5855.2               | 66.38               | -44.36                  | 110.74                      | 49.29                     | 32.98                         | 14.02                  | 29.91                      | 116                  | 1                       | P                       | V               |
|                                      |                                                                                             | 5877                 | 56.31               | -47.4                   | 103.71                      | 39.26                     | 33.03                         | 13.94                  | 29.92                      | 116                  | 1                       | P                       | V               |
|                                      |                                                                                             | 5947                 | 54.44               | -13.76                  | 68.2                        | 37.5                      | 33.18                         | 13.71                  | 29.95                      | 116                  | 1                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 3                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |      | 5633      | 54         | -14.2  | 68.2       | 37.56    | 32.49    | 13.75  | 29.8   | 120    | 24      | P       | H       |
|                                      |      | 5698.8    | 64.91      | -39.41 | 104.32     | 48.18    | 32.64    | 13.93  | 29.84  | 120    | 24      | P       | H       |
|                                      |      | 5719      | 71.69      | -38.83 | 110.52     | 54.88    | 32.68    | 13.98  | 29.85  | 120    | 24      | P       | H       |
|                                      |      | 5723      | 74.46      | -43.18 | 117.64     | 57.63    | 32.69    | 13.99  | 29.85  | 120    | 24      | P       | H       |
|                                      | *    | 5755      | 108.1      | -      | -          | 91.12    | 32.76    | 14.08  | 29.86  | 120    | 24      | P       | H       |
|                                      | *    | 5755      | 100.47     | -      | -          | 83.49    | 32.76    | 14.08  | 29.86  | 120    | 24      | A       | H       |
|                                      |      | 5853.2    | 55.28      | -59.62 | 114.9      | 38.19    | 32.98    | 14.02  | 29.91  | 120    | 24      | P       | H       |
|                                      |      | 5863.6    | 54.96      | -53.43 | 108.39     | 37.88    | 33       | 13.99  | 29.91  | 120    | 24      | P       | H       |
|                                      |      | 5923.4    | 55.3       | -14.08 | 69.38      | 38.32    | 33.13    | 13.79  | 29.94  | 120    | 24      | P       | H       |
|                                      |      | 5940.2    | 55.7       | -12.5  | 68.2       | 38.75    | 33.17    | 13.73  | 29.95  | 120    | 24      | P       | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      | 5624.2    | 55.02      | -13.18 | 68.2       | 38.62    | 32.47    | 13.73  | 29.8   | 100    | 347     | P       | V       |
|                                      |      | 5697      | 64.47      | -38.52 | 102.99     | 47.75    | 32.63    | 13.92  | 29.83  | 100    | 347     | P       | V       |
|                                      |      | 5719.6    | 70.92      | -39.77 | 110.69     | 54.11    | 32.68    | 13.98  | 29.85  | 100    | 347     | P       | V       |
|                                      |      | 5721.6    | 73.22      | -41.23 | 114.45     | 56.39    | 32.69    | 13.99  | 29.85  | 100    | 347     | P       | V       |
|                                      | *    | 5755      | 108.77     | -      | -          | 91.79    | 32.76    | 14.08  | 29.86  | 100    | 347     | P       | V       |
|                                      | *    | 5755      | 101.14     | -      | -          | 84.16    | 32.76    | 14.08  | 29.86  | 100    | 347     | A       | V       |
|                                      |      | 5855      | 54.93      | -55.87 | 110.8      | 37.84    | 32.98    | 14.02  | 29.91  | 100    | 347     | P       | V       |
|                                      |      | 5861.4    | 55.17      | -53.84 | 109.01     | 38.09    | 33       | 13.99  | 29.91  | 100    | 347     | P       | V       |
|                                      |      | 5903.2    | 55.57      | -28.72 | 84.29      | 38.56    | 33.09    | 13.85  | 29.93  | 100    | 347     | P       | V       |
|                                      |      | 5936.2    | 55.34      | -12.86 | 68.2       | 38.39    | 33.16    | 13.74  | 29.95  | 100    | 347     | P       | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| WIFI<br>Ant.<br>3                              | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT40<br/>CH 159<br/>5795MHz</b> |                                                              | 5639.2               | 53.79               | -14.41                  | 68.2                        | 37.32                     | 32.51                         | 13.77                  | 29.81                      | 109                  | 25                      | P                       | H               |
|                                                |                                                              | 5698.4               | 57.67               | -46.35                  | 104.02                      | 40.94                     | 32.64                         | 13.93                  | 29.84                      | 109                  | 25                      | P                       | H               |
|                                                |                                                              | 5717.8               | 59.22               | -50.96                  | 110.18                      | 42.4                      | 32.68                         | 13.98                  | 29.84                      | 109                  | 25                      | P                       | H               |
|                                                |                                                              | 5723.2               | 61.55               | -56.55                  | 118.1                       | 44.72                     | 32.69                         | 13.99                  | 29.85                      | 109                  | 25                      | P                       | H               |
|                                                | *                                                            | 5795                 | 108.79              | -                       | -                           | 91.63                     | 32.85                         | 14.19                  | 29.88                      | 109                  | 25                      | P                       | H               |
|                                                | *                                                            | 5795                 | 100.65              | -                       | -                           | 83.49                     | 32.85                         | 14.19                  | 29.88                      | 109                  | 25                      | A                       | H               |
|                                                |                                                              | 5850.8               | 64.08               | -56.3                   | 120.38                      | 46.99                     | 32.97                         | 14.03                  | 29.91                      | 109                  | 25                      | P                       | H               |
|                                                |                                                              | 5857.4               | 62.54               | -47.59                  | 110.13                      | 45.45                     | 32.99                         | 14.01                  | 29.91                      | 109                  | 25                      | P                       | H               |
|                                                |                                                              | 5878.6               | 57.13               | -45.4                   | 102.53                      | 40.08                     | 33.03                         | 13.94                  | 29.92                      | 109                  | 25                      | P                       | H               |
|                                                |                                                              | 5929.2               | 54.42               | -13.78                  | 68.2                        | 37.46                     | 33.14                         | 13.77                  | 29.95                      | 109                  | 25                      | P                       | H               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |                                                              | 5629                 | 54.11               | -14.09                  | 68.2                        | 37.69                     | 32.48                         | 13.74                  | 29.8                       | 100                  | 356                     | P                       | V               |
|                                                |                                                              | 5697.4               | 55.73               | -47.55                  | 103.28                      | 39.01                     | 32.63                         | 13.92                  | 29.83                      | 100                  | 356                     | P                       | V               |
|                                                |                                                              | 5718.4               | 59.76               | -50.59                  | 110.35                      | 42.94                     | 32.68                         | 13.98                  | 29.84                      | 100                  | 356                     | P                       | V               |
|                                                |                                                              | 5723.6               | 60.51               | -58.5                   | 119.01                      | 43.68                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 356                     | P                       | V               |
|                                                | *                                                            | 5795                 | 109.28              | -                       | -                           | 92.12                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 356                     | P                       | V               |
|                                                | *                                                            | 5795                 | 101.54              | -                       | -                           | 84.38                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 356                     | A                       | V               |
|                                                |                                                              | 5852.6               | 66.7                | -49.57                  | 116.27                      | 49.61                     | 32.98                         | 14.02                  | 29.91                      | 100                  | 356                     | P                       | V               |
|                                                |                                                              | 5856.4               | 64.66               | -45.75                  | 110.41                      | 47.58                     | 32.98                         | 14.01                  | 29.91                      | 100                  | 356                     | P                       | V               |
|                                                |                                                              | 5883.2               | 57.1                | -42.01                  | 99.11                       | 40.06                     | 33.04                         | 13.92                  | 29.92                      | 100                  | 356                     | P                       | V               |
|                                                |                                                              | 5946.8               | 53.99               | -14.21                  | 68.2                        | 37.05                     | 33.18                         | 13.71                  | 29.95                      | 100                  | 356                     | P                       | V               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b>                                  | 1. No other spurious found.                                  |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                                | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Band 4 5725~5850MHz**

**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI                                   | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 3                                      |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                              | 5647      | 60.39      | -7.81  | 68.2       | 43.89    | 32.52    | 13.79  | 29.81  | 102    | 25      | P       | H       |
|                                        |                                                              | 5698.8    | 71.47      | -32.85 | 104.32     | 54.74    | 32.64    | 13.93  | 29.84  | 102    | 25      | P       | H       |
|                                        |                                                              | 5716.8    | 74.75      | -35.16 | 109.91     | 57.93    | 32.68    | 13.98  | 29.84  | 102    | 25      | P       | H       |
|                                        |                                                              | 5724      | 73.42      | -46.5  | 119.92     | 56.59    | 32.69    | 13.99  | 29.85  | 102    | 25      | P       | H       |
|                                        | *                                                            | 5775      | 105.79     | -      | -          | 88.72    | 32.81    | 14.13  | 29.87  | 102    | 25      | P       | H       |
|                                        | *                                                            | 5775      | 97.94      | -      | -          | 80.87    | 32.81    | 14.13  | 29.87  | 102    | 25      | A       | H       |
|                                        |                                                              | 5852.8    | 71.44      | -44.38 | 115.82     | 54.35    | 32.98    | 14.02  | 29.91  | 102    | 25      | P       | H       |
|                                        |                                                              | 5857.2    | 70.46      | -39.72 | 110.18     | 53.37    | 32.99    | 14.01  | 29.91  | 102    | 25      | P       | H       |
|                                        |                                                              | 5877.4    | 65.27      | -38.15 | 103.42     | 48.22    | 33.03    | 13.94  | 29.92  | 102    | 25      | P       | H       |
|                                        |                                                              | 5939.4    | 55.63      | -12.57 | 68.2       | 38.68    | 33.17    | 13.73  | 29.95  | 102    | 25      | P       | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              | 5649.8    | 60.45      | -7.75  | 68.2       | 43.94    | 32.53    | 13.79  | 29.81  | 117    | 0       | P       | V       |
|                                        |                                                              | 5697.4    | 72.22      | -31.06 | 103.28     | 55.5     | 32.63    | 13.92  | 29.83  | 117    | 0       | P       | V       |
|                                        |                                                              | 5717      | 75.07      | -34.89 | 109.96     | 58.25    | 32.68    | 13.98  | 29.84  | 117    | 0       | P       | V       |
|                                        |                                                              | 5721.4    | 74.61      | -39.38 | 113.99     | 57.78    | 32.69    | 13.99  | 29.85  | 117    | 0       | P       | V       |
|                                        | *                                                            | 5775      | 106.16     | -      | -          | 89.09    | 32.81    | 14.13  | 29.87  | 117    | 0       | P       | V       |
|                                        | *                                                            | 5775      | 98.1       | -      | -          | 81.03    | 32.81    | 14.13  | 29.87  | 117    | 0       | A       | V       |
|                                        |                                                              | 5852.4    | 72.83      | -43.9  | 116.73     | 55.74    | 32.98    | 14.02  | 29.91  | 117    | 0       | P       | V       |
|                                        |                                                              | 5856.4    | 71.07      | -39.34 | 110.41     | 53.99    | 32.98    | 14.01  | 29.91  | 117    | 0       | P       | V       |
|                                        |                                                              | 5875.2    | 66.44      | -38.61 | 105.05     | 49.38    | 33.03    | 13.95  | 29.92  | 117    | 0       | P       | V       |
|                                        |                                                              | 5944.6    | 57.68      | -10.52 | 68.2       | 40.73    | 33.18    | 13.72  | 29.95  | 117    | 0       | P       | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                        | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |

## Emission below 1GHz

### 5GHz WIFI 802.11n HT40 (LF @ 3m)

| WIFI                          | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                          |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3                             |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 5GHz<br>802.11n<br>HT40<br>LF |                                                                            | 98.87     | 35.27      | -8.23  | 43.5       | 50.89    | 15.7     | 1.05   | 32.37  | 100    | 0       | P     | H     |
|                               |                                                                            | 159.98    | 26.15      | -17.35 | 43.5       | 40.36    | 16.6     | 1.55   | 32.36  | -      | -       | P     | H     |
|                               |                                                                            | 267.65    | 25.97      | -20.03 | 46         | 36.58    | 19.44    | 2.35   | 32.4   | -      | -       | P     | H     |
|                               |                                                                            | 552.83    | 26.94      | -19.06 | 46         | 30.38    | 25.58    | 3.61   | 32.63  | -      | -       | P     | H     |
|                               |                                                                            | 763.32    | 30.9       | -15.1  | 46         | 30.61    | 28.23    | 4.48   | 32.42  | -      | -       | P     | H     |
|                               |                                                                            | 967.02    | 33.92      | -20.08 | 54         | 29.22    | 30.95    | 4.95   | 31.2   | -      | -       | P     | H     |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                               |                                                                            | 97.9      | 31.07      | -12.43 | 43.5       | 46.81    | 15.58    | 1.05   | 32.37  | 100    | 0       | P     | V     |
|                               |                                                                            | 164.83    | 25.23      | -18.27 | 43.5       | 40.03    | 15.99    | 1.57   | 32.36  | -      | -       | P     | V     |
|                               |                                                                            | 445.16    | 24.03      | -21.97 | 46         | 30.35    | 23.05    | 3.17   | 32.54  | -      | -       | P     | V     |
|                               |                                                                            | 661.47    | 28.36      | -17.64 | 46         | 30.52    | 26.35    | 4.08   | 32.59  | -      | -       | P     | V     |
|                               |                                                                            | 758.47    | 30.4       | -15.6  | 46         | 30.11    | 28.22    | 4.5    | 32.43  | -      | -       | P     | V     |
|                               |                                                                            | 942.77    | 33.23      | -12.77 | 46         | 29.48    | 30.54    | 4.62   | 31.41  | -      | -       | P     | V     |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         |       | V     |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         |       | V     |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                               |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
| Remark                        | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



## Band 4 - 5725~5850MHz

## WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 2                            |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |      | 5642.2    | 55.57      | -12.63 | 68.2       | 39.1     | 32.51    | 13.77  | 29.81  | 100    | 292     | P       | H       |
|                              |      | 5689      | 55.47      | -41.62 | 97.09      | 38.78    | 32.62    | 13.9   | 29.83  | 100    | 292     | P       | H       |
|                              |      | 5720      | 59.1       | -51.7  | 110.8      | 42.29    | 32.68    | 13.98  | 29.85  | 100    | 292     | P       | H       |
|                              |      | 5725      | 67.02      | -55.18 | 122.2      | 50.18    | 32.69    | 14     | 29.85  | 100    | 292     | P       | H       |
|                              | *    | 5745      | 108.02     | -      | -          | 91.09    | 32.74    | 14.05  | 29.86  | 100    | 292     | P       | H       |
|                              | *    | 5745      | 100.69     | -      | -          | 83.76    | 32.74    | 14.05  | 29.86  | 100    | 292     | A       | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      | 5634.4    | 53.97      | -14.23 | 68.2       | 37.52    | 32.5     | 13.75  | 29.8   | 100    | 203     | P       | V       |
|                              |      | 5688      | 54.47      | -41.88 | 96.35      | 37.79    | 32.61    | 13.9   | 29.83  | 100    | 203     | P       | V       |
|                              |      | 5717      | 56.01      | -53.95 | 109.96     | 39.19    | 32.68    | 13.98  | 29.84  | 100    | 203     | P       | V       |
|                              |      | 5724.4    | 56.84      | -63.99 | 120.83     | 40       | 32.69    | 14     | 29.85  | 100    | 203     | P       | V       |
|                              | *    | 5745      | 101.83     | -      | -          | 84.9     | 32.74    | 14.05  | 29.86  | 100    | 203     | P       | V       |
|                              | *    | 5745      | 94.31      | -      | -          | 77.38    | 32.74    | 14.05  | 29.86  | 100    | 203     | A       | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| WIFI<br>Ant.<br>2            | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 157<br>5785MHz |      | 5639.8               | 54.67               | -13.53                  | 68.2                        | 38.2                      | 32.51                         | 13.77                  | 29.81                      | 100                  | 294                     | P                       | H               |
|                              |      | 5692.6               | 53.76               | -45.98                  | 99.74                       | 37.06                     | 32.62                         | 13.91                  | 29.83                      | 100                  | 294                     | P                       | H               |
|                              |      | 5717.4               | 54.05               | -56.02                  | 110.07                      | 37.23                     | 32.68                         | 13.98                  | 29.84                      | 100                  | 294                     | P                       | H               |
|                              |      | 5724.2               | 54.06               | -66.32                  | 120.38                      | 37.22                     | 32.69                         | 14                     | 29.85                      | 100                  | 294                     | P                       | H               |
|                              | *    | 5785                 | 107.36              | -                       | -                           | 90.25                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 294                     | P                       | H               |
|                              | *    | 5785                 | 99.77               | -                       | -                           | 82.66                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 294                     | A                       | H               |
|                              |      | 5850.4               | 53.34               | -67.95                  | 121.29                      | 36.25                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 294                     | P                       | H               |
|                              |      | 5860.6               | 54.55               | -54.68                  | 109.23                      | 37.47                     | 32.99                         | 14                     | 29.91                      | 100                  | 294                     | P                       | H               |
|                              |      | 5875.8               | 55.24               | -49.37                  | 104.61                      | 38.18                     | 33.03                         | 13.95                  | 29.92                      | 100                  | 294                     | P                       | H               |
|                              |      | 5932.8               | 54.99               | -13.21                  | 68.2                        | 38.03                     | 33.15                         | 13.76                  | 29.95                      | 100                  | 294                     | P                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5605.6               | 53.61               | -14.59                  | 68.2                        | 37.29                     | 32.43                         | 13.68                  | 29.79                      | 100                  | 189                     | P                       | V               |
|                              |      | 5661.6               | 55.07               | -21.74                  | 76.81                       | 38.5                      | 32.56                         | 13.83                  | 29.82                      | 100                  | 189                     | P                       | V               |
|                              |      | 5715                 | 54.28               | -55.12                  | 109.4                       | 37.48                     | 32.67                         | 13.97                  | 29.84                      | 100                  | 189                     | P                       | V               |
|                              |      | 5723.6               | 55.17               | -63.84                  | 119.01                      | 38.34                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 189                     | P                       | V               |
|                              | *    | 5785                 | 102.35              | -                       | -                           | 85.24                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 189                     | P                       | V               |
|                              | *    | 5785                 | 95.07               | -                       | -                           | 77.96                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 189                     | A                       | V               |
|                              |      | 5852                 | 53.65               | -63.99                  | 117.64                      | 36.56                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 189                     | P                       | V               |
|                              |      | 5871                 | 55.12               | -51.2                   | 106.32                      | 38.06                     | 33.02                         | 13.96                  | 29.92                      | 100                  | 189                     | P                       | V               |
|                              |      | 5875.8               | 55.35               | -49.26                  | 104.61                      | 38.29                     | 33.03                         | 13.95                  | 29.92                      | 100                  | 189                     | P                       | V               |
|                              |      | 5935                 | 54.68               | -13.52                  | 68.2                        | 37.72                     | 33.16                         | 13.75                  | 29.95                      | 100                  | 189                     | P                       | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>2                                                                                            | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b>                                                                        | *    | 5825                 | 107.25              | -                       | -                           | 90.11                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 295                     | P                       | H               |
|                                                                                                              | *    | 5825                 | 99.71               | -                       | -                           | 82.57                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 295                     | A                       | H               |
|                                                                                                              |      | 5851.6               | 58.2                | -60.35                  | 118.55                      | 41.11                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 295                     | P                       | H               |
|                                                                                                              |      | 5855.6               | 56.67               | -53.96                  | 110.63                      | 39.59                     | 32.98                         | 14.01                  | 29.91                      | 100                  | 295                     | P                       | H               |
|                                                                                                              |      | 5875                 | 56.24               | -48.96                  | 105.2                       | 39.18                     | 33.03                         | 13.95                  | 29.92                      | 100                  | 295                     | P                       | H               |
|                                                                                                              |      | 5947                 | 55.26               | -12.94                  | 68.2                        | 38.32                     | 33.18                         | 13.71                  | 29.95                      | 100                  | 295                     | P                       | H               |
|                                                                                                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                                                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                                                              | *    | 5825                 | 102.09              | -                       | -                           | 84.95                     | 32.92                         | 14.12                  | 29.9                       | 106                  | 187                     | P                       | V               |
|                                                                                                              | *    | 5825                 | 94.96               | -                       | -                           | 77.82                     | 32.92                         | 14.12                  | 29.9                       | 106                  | 187                     | A                       | V               |
|                                                                                                              |      | 5853.2               | 54                  | -60.9                   | 114.9                       | 36.91                     | 32.98                         | 14.02                  | 29.91                      | 106                  | 187                     | P                       | V               |
|                                                                                                              |      | 5863                 | 55.16               | -53.4                   | 108.56                      | 38.08                     | 33                            | 13.99                  | 29.91                      | 106                  | 187                     | P                       | V               |
|                                                                                                              |      | 5902.6               | 56.07               | -28.67                  | 84.74                       | 39.05                     | 33.09                         | 13.86                  | 29.93                      | 106                  | 187                     | P                       | V               |
|                                                                                                              |      | 5925.8               | 54.89               | -13.31                  | 68.2                        | 37.91                     | 33.14                         | 13.78                  | 29.94                      | 106                  | 187                     | P                       | V               |
|                                                                                                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                                                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                                                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b><br>1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI                         | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 2                            |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |                                                              | 11490     | 46.41      | -27.59 | 74         | 50.52    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | H       |
|                              |                                                              | 17235     | 50.44      | -17.76 | 68.2       | 43.13    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11490     | 46.41      | -27.59 | 74         | 50.52    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | V       |
|                              |                                                              | 17235     | 49.83      | -18.37 | 68.2       | 42.52    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 157<br>5785MHz |                                                              | 11570     | 46.35      | -27.65 | 74         | 50.57    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | H       |
|                              |                                                              | 17355     | 49.84      | -18.36 | 68.2       | 41.48    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11570     | 45.9       | -28.1  | 74         | 50.12    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | V       |
|                              |                                                              | 17355     | 50.1       | -18.1  | 68.2       | 41.74    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 165<br>5825MHz |                                                              | 11650     | 46.53      | -27.47 | 74         | 50.86    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | H       |
|                              |                                                              | 17475     | 51.18      | -17.02 | 68.2       | 41.78    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11650     | 45.68      | -28.32 | 74         | 50.01    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | V       |
|                              |                                                              | 17475     | 50.9       | -17.3  | 68.2       | 41.5     | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                       | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                              | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 2                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |      | 5629.2    | 54.97      | -13.23 | 68.2       | 38.55    | 32.48    | 13.74  | 29.8   | 101    | 59      | P     | H     |
|                                      |      | 5694.2    | 55.82      | -45.1  | 100.92     | 39.11    | 32.63    | 13.91  | 29.83  | 101    | 59      | P     | H     |
|                                      |      | 5720      | 60.76      | -50.04 | 110.8      | 43.95    | 32.68    | 13.98  | 29.85  | 101    | 59      | P     | H     |
|                                      |      | 5725      | 68.38      | -53.82 | 122.2      | 51.54    | 32.69    | 14     | 29.85  | 101    | 59      | P     | H     |
|                                      | *    | 5745      | 109.4      | -      | -          | 92.47    | 32.74    | 14.05  | 29.86  | 101    | 59      | P     | H     |
|                                      | *    | 5745      | 101.69     | -      | -          | 84.76    | 32.74    | 14.05  | 29.86  | 101    | 59      | A     | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      | 5631      | 55.36      | -12.84 | 68.2       | 38.93    | 32.49    | 13.74  | 29.8   | 100    | 263     | P     | V     |
|                                      |      | 5679.6    | 55.55      | -34.59 | 90.14      | 38.91    | 32.6     | 13.87  | 29.83  | 100    | 263     | P     | V     |
|                                      |      | 5719.4    | 57.37      | -53.26 | 110.63     | 40.56    | 32.68    | 13.98  | 29.85  | 100    | 263     | P     | V     |
|                                      |      | 5724      | 62.72      | -57.2  | 119.92     | 45.89    | 32.69    | 13.99  | 29.85  | 100    | 263     | P     | V     |
|                                      | *    | 5745      | 103.94     | -      | -          | 87.01    | 32.74    | 14.05  | 29.86  | 100    | 263     | P     | V     |
|                                      | *    | 5745      | 95.67      | -      | -          | 78.74    | 32.74    | 14.05  | 29.86  | 100    | 263     | A     | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>2                    | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 157<br>5785MHz |      | 5641.8               | 55.55               | -12.65                  | 68.2                        | 39.08                     | 32.51                         | 13.77                  | 29.81                      | 101                  | 60                      | P                       | H               |
|                                      |      | 5670                 | 56.02               | -27.02                  | 83.04                       | 39.42                     | 32.57                         | 13.85                  | 29.82                      | 101                  | 60                      | P                       | H               |
|                                      |      | 5717.4               | 55.88               | -54.19                  | 110.07                      | 39.06                     | 32.68                         | 13.98                  | 29.84                      | 101                  | 60                      | P                       | H               |
|                                      |      | 5725                 | 54.53               | -67.67                  | 122.2                       | 37.69                     | 32.69                         | 14                     | 29.85                      | 101                  | 60                      | P                       | H               |
|                                      | *    | 5785                 | 109.41              | -                       | -                           | 92.3                      | 32.83                         | 14.16                  | 29.88                      | 101                  | 60                      | P                       | H               |
|                                      | *    | 5785                 | 101.89              | -                       | -                           | 84.78                     | 32.83                         | 14.16                  | 29.88                      | 101                  | 60                      | A                       | H               |
|                                      |      | 5851                 | 55.14               | -64.78                  | 119.92                      | 38.05                     | 32.97                         | 14.03                  | 29.91                      | 101                  | 60                      | P                       | H               |
|                                      |      | 5874                 | 55.95               | -49.53                  | 105.48                      | 38.9                      | 33.02                         | 13.95                  | 29.92                      | 101                  | 60                      | P                       | H               |
|                                      |      | 5879.8               | 56.28               | -45.35                  | 101.63                      | 39.23                     | 33.04                         | 13.93                  | 29.92                      | 101                  | 60                      | P                       | H               |
|                                      |      | 5931                 | 55.99               | -12.21                  | 68.2                        | 39.03                     | 33.15                         | 13.76                  | 29.95                      | 101                  | 60                      | P                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5637                 | 55.66               | -12.54                  | 68.2                        | 39.21                     | 32.5                          | 13.76                  | 29.81                      | 101                  | 259                     | P                       | V               |
|                                      |      | 5698.6               | 55.02               | -49.15                  | 104.17                      | 38.29                     | 32.64                         | 13.93                  | 29.84                      | 101                  | 259                     | P                       | V               |
|                                      |      | 5708.8               | 56.22               | -51.45                  | 107.67                      | 39.45                     | 32.66                         | 13.95                  | 29.84                      | 101                  | 259                     | P                       | V               |
|                                      |      | 5723.8               | 54.49               | -64.97                  | 119.46                      | 37.66                     | 32.69                         | 13.99                  | 29.85                      | 101                  | 259                     | P                       | V               |
|                                      | *    | 5785                 | 103.69              | -                       | -                           | 86.58                     | 32.83                         | 14.16                  | 29.88                      | 101                  | 259                     | P                       | V               |
|                                      | *    | 5785                 | 96.14               | -                       | -                           | 79.03                     | 32.83                         | 14.16                  | 29.88                      | 101                  | 259                     | A                       | V               |
|                                      |      | 5854.6               | 55.5                | -56.21                  | 111.71                      | 38.41                     | 32.98                         | 14.02                  | 29.91                      | 101                  | 259                     | P                       | V               |
|                                      |      | 5864.4               | 55.95               | -52.22                  | 108.17                      | 38.88                     | 33                            | 13.98                  | 29.91                      | 101                  | 259                     | P                       | V               |
|                                      |      | 5886.8               | 56.8                | -39.64                  | 96.44                       | 39.77                     | 33.05                         | 13.91                  | 29.93                      | 101                  | 259                     | P                       | V               |
|                                      |      | 5926.4               | 55.6                | -12.6                   | 68.2                        | 38.62                     | 33.14                         | 13.78                  | 29.94                      | 101                  | 259                     | P                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>2                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 109.27              | -                       | -                           | 92.13                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 59                      | P                       | H               |
|                                      | *                                                                                           | 5825                 | 101.76              | -                       | -                           | 84.62                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 59                      | A                       | H               |
|                                      |                                                                                             | 5850                 | 62.81               | -59.39                  | 122.2                       | 45.72                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 59                      | P                       | H               |
|                                      |                                                                                             | 5855.8               | 60.72               | -49.86                  | 110.58                      | 43.64                     | 32.98                         | 14.01                  | 29.91                      | 100                  | 59                      | P                       | H               |
|                                      |                                                                                             | 5877.4               | 56.78               | -46.64                  | 103.42                      | 39.73                     | 33.03                         | 13.94                  | 29.92                      | 100                  | 59                      | P                       | H               |
|                                      |                                                                                             | 5931.4               | 56.84               | -11.36                  | 68.2                        | 39.88                     | 33.15                         | 13.76                  | 29.95                      | 100                  | 59                      | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      | *                                                                                           | 5825                 | 103                 | -                       | -                           | 85.86                     | 32.92                         | 14.12                  | 29.9                       | 106                  | 259                     | P                       | V               |
|                                      | *                                                                                           | 5825                 | 95.58               | -                       | -                           | 78.44                     | 32.92                         | 14.12                  | 29.9                       | 106                  | 259                     | A                       | V               |
|                                      |                                                                                             | 5850.2               | 57.58               | -64.16                  | 121.74                      | 40.49                     | 32.97                         | 14.03                  | 29.91                      | 106                  | 259                     | P                       | V               |
|                                      |                                                                                             | 5870                 | 56.14               | -50.46                  | 106.6                       | 39.08                     | 33.01                         | 13.97                  | 29.92                      | 106                  | 259                     | P                       | V               |
|                                      |                                                                                             | 5885.4               | 56.46               | -41.02                  | 97.48                       | 39.42                     | 33.05                         | 13.91                  | 29.92                      | 106                  | 259                     | P                       | V               |
|                                      |                                                                                             | 5942                 | 55.39               | -12.81                  | 68.2                        | 38.45                     | 33.17                         | 13.72                  | 29.95                      | 106                  | 259                     | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 2                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |      | 5629.8    | 55.69      | -12.51 | 68.2       | 39.26    | 32.49    | 13.74  | 29.8   | 104    | 61      | P       | H       |
|                                      |      | 5699      | 62.66      | -41.8  | 104.46     | 45.93    | 32.64    | 13.93  | 29.84  | 104    | 61      | P       | H       |
|                                      |      | 5718.8    | 71.52      | -38.94 | 110.46     | 54.71    | 32.68    | 13.98  | 29.85  | 104    | 61      | P       | H       |
|                                      |      | 5724.6    | 74.8       | -46.49 | 121.29     | 57.96    | 32.69    | 14     | 29.85  | 104    | 61      | P       | H       |
|                                      | *    | 5755      | 106.77     | -      | -          | 89.79    | 32.76    | 14.08  | 29.86  | 104    | 61      | P       | H       |
|                                      | *    | 5755      | 98.72      | -      | -          | 81.74    | 32.76    | 14.08  | 29.86  | 104    | 61      | A       | H       |
|                                      |      | 5850.8    | 56.07      | -64.31 | 120.38     | 38.98    | 32.97    | 14.03  | 29.91  | 104    | 61      | P       | H       |
|                                      |      | 5860      | 56.82      | -52.58 | 109.4      | 39.74    | 32.99    | 14     | 29.91  | 104    | 61      | P       | H       |
|                                      |      | 5892      | 56.05      | -36.53 | 92.58      | 39.03    | 33.06    | 13.89  | 29.93  | 104    | 61      | P       | H       |
|                                      |      | 5948      | 56.11      | -12.09 | 68.2       | 39.18    | 33.19    | 13.7   | 29.96  | 104    | 61      | P       | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      | 5622.8    | 54.74      | -13.46 | 68.2       | 38.35    | 32.47    | 13.72  | 29.8   | 101    | 260     | P       | V       |
|                                      |      | 5699.4    | 57.29      | -47.47 | 104.76     | 40.56    | 32.64    | 13.93  | 29.84  | 101    | 260     | P       | V       |
|                                      |      | 5720      | 65.13      | -45.67 | 110.8      | 48.32    | 32.68    | 13.98  | 29.85  | 101    | 260     | P       | V       |
|                                      |      | 5724      | 67.24      | -52.68 | 119.92     | 50.41    | 32.69    | 13.99  | 29.85  | 101    | 260     | P       | V       |
|                                      | *    | 5755      | 100.79     | -      | -          | 83.81    | 32.76    | 14.08  | 29.86  | 101    | 260     | P       | V       |
|                                      | *    | 5755      | 92.93      | -      | -          | 75.95    | 32.76    | 14.08  | 29.86  | 101    | 260     | A       | V       |
|                                      |      | 5855      | 55.28      | -55.52 | 110.8      | 38.19    | 32.98    | 14.02  | 29.91  | 101    | 260     | P       | V       |
|                                      |      | 5872.4    | 55.98      | -49.95 | 105.93     | 38.92    | 33.02    | 13.96  | 29.92  | 101    | 260     | P       | V       |
|                                      |      | 5918      | 55.71      | -17.65 | 73.36      | 38.73    | 33.12    | 13.8   | 29.94  | 101    | 260     | P       | V       |
|                                      |      | 5933.4    | 55.78      | -12.42 | 68.2       | 38.83    | 33.15    | 13.75  | 29.95  | 101    | 260     | P       | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| WIFI<br>Ant.<br>2                    | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                              | 5623.2               | 55.65               | -12.55                  | 68.2                        | 39.26                     | 32.47                         | 13.72                  | 29.8                       | 103                  | 60                      | P                       | H               |
|                                      |                                                              | 5673.6               | 55.81               | -29.89                  | 85.7                        | 39.19                     | 32.58                         | 13.86                  | 29.82                      | 103                  | 60                      | P                       | H               |
|                                      |                                                              | 5712.4               | 56.5                | -52.17                  | 108.67                      | 39.71                     | 32.67                         | 13.96                  | 29.84                      | 103                  | 60                      | P                       | H               |
|                                      |                                                              | 5721.6               | 57.31               | -57.14                  | 114.45                      | 40.48                     | 32.69                         | 13.99                  | 29.85                      | 103                  | 60                      | P                       | H               |
|                                      | *                                                            | 5795                 | 107.34              | -                       | -                           | 90.18                     | 32.85                         | 14.19                  | 29.88                      | 103                  | 60                      | P                       | H               |
|                                      | *                                                            | 5795                 | 99.46               | -                       | -                           | 82.3                      | 32.85                         | 14.19                  | 29.88                      | 103                  | 60                      | A                       | H               |
|                                      |                                                              | 5852.4               | 64.03               | -52.7                   | 116.73                      | 46.94                     | 32.98                         | 14.02                  | 29.91                      | 103                  | 60                      | P                       | H               |
|                                      |                                                              | 5856.2               | 60.98               | -49.48                  | 110.46                      | 43.9                      | 32.98                         | 14.01                  | 29.91                      | 103                  | 60                      | P                       | H               |
|                                      |                                                              | 5883.6               | 56.87               | -41.94                  | 98.81                       | 39.83                     | 33.04                         | 13.92                  | 29.92                      | 103                  | 60                      | P                       | H               |
|                                      |                                                              | 5944.8               | 55.61               | -12.59                  | 68.2                        | 38.67                     | 33.18                         | 13.71                  | 29.95                      | 103                  | 60                      | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 5630.8               | 54.46               | -13.74                  | 68.2                        | 38.03                     | 32.49                         | 13.74                  | 29.8                       | 101                  | 260                     | P                       | V               |
|                                      |                                                              | 5675.6               | 55.94               | -31.24                  | 87.18                       | 39.31                     | 32.59                         | 13.86                  | 29.82                      | 101                  | 260                     | P                       | V               |
|                                      |                                                              | 5720                 | 55.5                | -55.3                   | 110.8                       | 38.69                     | 32.68                         | 13.98                  | 29.85                      | 101                  | 260                     | P                       | V               |
|                                      |                                                              | 5720.2               | 55.61               | -55.65                  | 111.26                      | 38.8                      | 32.68                         | 13.98                  | 29.85                      | 101                  | 260                     | P                       | V               |
|                                      | *                                                            | 5795                 | 101.57              | -                       | -                           | 84.41                     | 32.85                         | 14.19                  | 29.88                      | 101                  | 260                     | P                       | V               |
|                                      | *                                                            | 5795                 | 93.35               | -                       | -                           | 76.19                     | 32.85                         | 14.19                  | 29.88                      | 101                  | 260                     | A                       | V               |
|                                      |                                                              | 5852.4               | 57.38               | -59.35                  | 116.73                      | 40.29                     | 32.98                         | 14.02                  | 29.91                      | 101                  | 260                     | P                       | V               |
|                                      |                                                              | 5857.4               | 57.5                | -52.63                  | 110.13                      | 40.41                     | 32.99                         | 14.01                  | 29.91                      | 101                  | 260                     | P                       | V               |
|                                      |                                                              | 5876.6               | 56.04               | -47.97                  | 104.01                      | 38.99                     | 33.03                         | 13.94                  | 29.92                      | 101                  | 260                     | P                       | V               |
|                                      |                                                              | 5944                 | 55.92               | -12.28                  | 68.2                        | 38.97                     | 33.18                         | 13.72                  | 29.95                      | 101                  | 260                     | P                       | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.                                  |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                      | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI                                   | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 2                                      |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                              | 5648.6    | 57.12      | -11.08 | 68.2       | 40.61    | 32.53    | 13.79  | 29.81  | 100    | 59      | P       | H       |
|                                        |                                                              | 5697.2    | 69.37      | -33.77 | 103.14     | 52.65    | 32.63    | 13.92  | 29.83  | 100    | 59      | P       | H       |
|                                        |                                                              | 5717      | 73.14      | -36.82 | 109.96     | 56.32    | 32.68    | 13.98  | 29.84  | 100    | 59      | P       | H       |
|                                        |                                                              | 5720      | 72.93      | -37.87 | 110.8      | 56.12    | 32.68    | 13.98  | 29.85  | 100    | 59      | P       | H       |
|                                        | *                                                            | 5775      | 103.25     | -      | -          | 86.18    | 32.81    | 14.13  | 29.87  | 100    | 59      | P       | H       |
|                                        | *                                                            | 5775      | 95.78      | -      | -          | 78.71    | 32.81    | 14.13  | 29.87  | 100    | 59      | A       | H       |
|                                        |                                                              | 5852.6    | 72.55      | -43.72 | 116.27     | 55.46    | 32.98    | 14.02  | 29.91  | 100    | 59      | P       | H       |
|                                        |                                                              | 5857.6    | 71.05      | -39.02 | 110.07     | 53.96    | 32.99    | 14.01  | 29.91  | 100    | 59      | P       | H       |
|                                        |                                                              | 5875.2    | 65.83      | -39.22 | 105.05     | 48.77    | 33.03    | 13.95  | 29.92  | 100    | 59      | P       | H       |
|                                        |                                                              | 5933.4    | 56.6       | -11.6  | 68.2       | 39.65    | 33.15    | 13.75  | 29.95  | 100    | 59      | P       | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              | 5603.8    | 55.18      | -13.02 | 68.2       | 38.87    | 32.43    | 13.67  | 29.79  | 100    | 259     | P       | V       |
|                                        |                                                              | 5697.2    | 63.21      | -39.93 | 103.14     | 46.49    | 32.63    | 13.92  | 29.83  | 100    | 259     | P       | V       |
|                                        |                                                              | 5717.8    | 65.97      | -44.21 | 110.18     | 49.15    | 32.68    | 13.98  | 29.84  | 100    | 259     | P       | V       |
|                                        |                                                              | 5720.4    | 66.88      | -44.83 | 111.71     | 50.06    | 32.68    | 13.99  | 29.85  | 100    | 259     | P       | V       |
|                                        | *                                                            | 5775      | 98.3       | -      | -          | 81.23    | 32.81    | 14.13  | 29.87  | 100    | 259     | P       | V       |
|                                        | *                                                            | 5775      | 90.61      | -      | -          | 73.54    | 32.81    | 14.13  | 29.87  | 100    | 259     | A       | V       |
|                                        |                                                              | 5850.4    | 66.55      | -54.74 | 121.29     | 49.46    | 32.97    | 14.03  | 29.91  | 100    | 259     | P       | V       |
|                                        |                                                              | 5855.8    | 65.86      | -44.72 | 110.58     | 48.78    | 32.98    | 14.01  | 29.91  | 100    | 259     | P       | V       |
|                                        |                                                              | 5875.2    | 60.45      | -44.6  | 105.05     | 43.39    | 33.03    | 13.95  | 29.92  | 100    | 259     | P       | V       |
|                                        |                                                              | 5942.2    | 55.67      | -12.53 | 68.2       | 38.73    | 33.17    | 13.72  | 29.95  | 100    | 259     | P       | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                        | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |

## Emission below 1GHz

## 5GHz 802.11ac VHT80 (LF @ 3m)

| WIFI                                | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 2                                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 5GHz<br>802.11ac<br><br>VHT80<br>LF |                                                                            | 97.9      | 37.27      | -6.23  | 43.5       | 53.01    | 15.58    | 1.05   | 32.37  | 100    | 0       | P     | H     |
|                                     |                                                                            | 161.92    | 30.03      | -13.47 | 43.5       | 44.47    | 16.36    | 1.56   | 32.36  | -      | -       | P     | H     |
|                                     |                                                                            | 279.29    | 25.56      | -20.44 | 46         | 36.73    | 18.83    | 2.41   | 32.41  | -      | -       | P     | H     |
|                                     |                                                                            | 559.62    | 27.51      | -18.49 | 46         | 30.24    | 26.27    | 3.64   | 32.64  | -      | -       | P     | H     |
|                                     |                                                                            | 749.74    | 30.79      | -15.21 | 46         | 30.56    | 28.15    | 4.53   | 32.45  | -      | -       | P     | H     |
|                                     |                                                                            | 940.83    | 32.81      | -13.19 | 46         | 29.13    | 30.49    | 4.62   | 31.43  | -      | -       | P     | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            | 95.96     | 32.46      | -11.04 | 43.5       | 48.46    | 15.33    | 1.04   | 32.37  | 100    | 0       | P     | V     |
|                                     |                                                                            | 175.5     | 26.04      | -17.46 | 43.5       | 41.52    | 15.26    | 1.61   | 32.35  | -      | -       | P     | V     |
|                                     |                                                                            | 395.69    | 23.53      | -22.47 | 46         | 31.21    | 21.63    | 3.19   | 32.5   | -      | -       | P     | V     |
|                                     |                                                                            | 651.77    | 27.8       | -18.2  | 46         | 30.03    | 26.29    | 4.08   | 32.6   | -      | -       | P     | V     |
|                                     |                                                                            | 862.26    | 32.76      | -13.24 | 46         | 30.99    | 29.12    | 4.66   | 32.01  | -      | -       | P     | V     |
|                                     |                                                                            | 938.89    | 34.31      | -11.69 | 46         | 30.72    | 30.42    | 4.62   | 31.45  | -      | -       | P     | V     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



## Band 4 - 5725~5850MHz

## WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3+2                          |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11a<br>CH 149<br>5745MHz |      | 5648      | 54.4       | -13.8  | 68.2       | 37.89    | 32.53    | 13.79  | 29.81  | 150    | 351     | P     | H     |
|                              |      | 5679.6    | 54.78      | -35.36 | 90.14      | 38.14    | 32.6     | 13.87  | 29.83  | 150    | 351     | P     | H     |
|                              |      | 5719.8    | 59.37      | -51.37 | 110.74     | 42.56    | 32.68    | 13.98  | 29.85  | 150    | 351     | P     | H     |
|                              |      | 5724.8    | 63.79      | -57.95 | 121.74     | 46.95    | 32.69    | 14     | 29.85  | 150    | 351     | P     | H     |
|                              | *    | 5745      | 109.65     | -      | -          | 92.72    | 32.74    | 14.05  | 29.86  | 150    | 351     | P     | H     |
|                              | *    | 5745      | 102.12     | -      | -          | 85.19    | 32.74    | 14.05  | 29.86  | 150    | 351     | A     | H     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |      | 5621.6    | 54.99      | -13.21 | 68.2       | 38.6     | 32.47    | 13.72  | 29.8   | 106    | 360     | P     | V     |
|                              |      | 5698      | 56.05      | -47.68 | 103.73     | 39.33    | 32.64    | 13.92  | 29.84  | 106    | 360     | P     | V     |
|                              |      | 5718.8    | 57.48      | -52.98 | 110.46     | 40.67    | 32.68    | 13.98  | 29.85  | 106    | 360     | P     | V     |
|                              |      | 5725      | 64.57      | -57.63 | 122.2      | 47.73    | 32.69    | 14     | 29.85  | 106    | 360     | P     | V     |
|                              | *    | 5745      | 110.68     | -      | -          | 93.75    | 32.74    | 14.05  | 29.86  | 106    | 360     | P     | V     |
|                              | *    | 5745      | 102.43     | -      | -          | 85.5     | 32.74    | 14.05  | 29.86  | 106    | 360     | A     | V     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>3+2                   | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 157<br/>5785MHz</b> |      | 5628.2               | 55.27               | -12.93                  | 68.2                        | 38.85                     | 32.48                         | 13.74                  | 29.8                       | 154                  | 352                     | P                       | H               |
|                                       |      | 5663.2               | 56.04               | -21.96                  | 78                          | 39.47                     | 32.56                         | 13.83                  | 29.82                      | 154                  | 352                     | P                       | H               |
|                                       |      | 5715.2               | 55.13               | -54.33                  | 109.46                      | 38.33                     | 32.67                         | 13.97                  | 29.84                      | 154                  | 352                     | P                       | H               |
|                                       |      | 5720.4               | 54.87               | -56.84                  | 111.71                      | 38.05                     | 32.68                         | 13.99                  | 29.85                      | 154                  | 352                     | P                       | H               |
|                                       | *    | 5785                 | 109.78              | -                       | -                           | 92.67                     | 32.83                         | 14.16                  | 29.88                      | 154                  | 352                     | P                       | H               |
|                                       | *    | 5785                 | 101.97              | -                       | -                           | 84.86                     | 32.83                         | 14.16                  | 29.88                      | 154                  | 352                     | A                       | H               |
|                                       |      | 5851.8               | 54.57               | -63.53                  | 118.1                       | 37.48                     | 32.97                         | 14.03                  | 29.91                      | 154                  | 352                     | P                       | H               |
|                                       |      | 5857.4               | 55.75               | -54.38                  | 110.13                      | 38.66                     | 32.99                         | 14.01                  | 29.91                      | 154                  | 352                     | P                       | H               |
|                                       |      | 5922.8               | 55.51               | -14.31                  | 69.82                       | 38.53                     | 33.13                         | 13.79                  | 29.94                      | 154                  | 352                     | P                       | H               |
|                                       |      | 5933                 | 55.3                | -12.9                   | 68.2                        | 38.35                     | 33.15                         | 13.75                  | 29.95                      | 154                  | 352                     | P                       | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      | 5644.4               | 54.65               | -13.55                  | 68.2                        | 38.16                     | 32.52                         | 13.78                  | 29.81                      | 103                  | 348                     | P                       | V               |
|                                       |      | 5692                 | 55.3                | -44                     | 99.3                        | 38.6                      | 32.62                         | 13.91                  | 29.83                      | 103                  | 348                     | P                       | V               |
|                                       |      | 5709.6               | 54.86               | -53.03                  | 107.89                      | 38.08                     | 32.66                         | 13.96                  | 29.84                      | 103                  | 348                     | P                       | V               |
|                                       |      | 5721.4               | 55.47               | -58.52                  | 113.99                      | 38.64                     | 32.69                         | 13.99                  | 29.85                      | 103                  | 348                     | P                       | V               |
|                                       | *    | 5785                 | 110.27              | -                       | -                           | 93.16                     | 32.83                         | 14.16                  | 29.88                      | 103                  | 348                     | P                       | V               |
|                                       | *    | 5785                 | 102.69              | -                       | -                           | 85.58                     | 32.83                         | 14.16                  | 29.88                      | 103                  | 348                     | A                       | V               |
|                                       |      | 5854                 | 55.06               | -58.02                  | 113.08                      | 37.97                     | 32.98                         | 14.02                  | 29.91                      | 103                  | 348                     | P                       | V               |
|                                       |      | 5863.2               | 54.93               | -53.57                  | 108.5                       | 37.85                     | 33                            | 13.99                  | 29.91                      | 103                  | 348                     | P                       | V               |
|                                       |      | 5880.8               | 55.69               | -45.2                   | 100.89                      | 38.64                     | 33.04                         | 13.93                  | 29.92                      | 103                  | 348                     | P                       | V               |
|                                       |      | 5927.6               | 55.55               | -12.65                  | 68.2                        | 38.59                     | 33.14                         | 13.77                  | 29.95                      | 103                  | 348                     | P                       | V               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b> | *                                                                                           | 5825                 | 109.13              | -                       | -                           | 91.99                     | 32.92                         | 14.12                  | 29.9                       | 153                  | 352                     | P                       | H               |
|                                       | *                                                                                           | 5825                 | 101.16              | -                       | -                           | 84.02                     | 32.92                         | 14.12                  | 29.9                       | 153                  | 352                     | A                       | H               |
|                                       |                                                                                             | 5852                 | 56.2                | -61.44                  | 117.64                      | 39.11                     | 32.97                         | 14.03                  | 29.91                      | 153                  | 352                     | P                       | H               |
|                                       |                                                                                             | 5857.6               | 56.11               | -53.96                  | 110.07                      | 39.02                     | 32.99                         | 14.01                  | 29.91                      | 153                  | 352                     | P                       | H               |
|                                       |                                                                                             | 5907                 | 56.12               | -25.36                  | 81.48                       | 39.12                     | 33.1                          | 13.84                  | 29.94                      | 153                  | 352                     | P                       | H               |
|                                       |                                                                                             | 5935.2               | 55.52               | -12.68                  | 68.2                        | 38.56                     | 33.16                         | 13.75                  | 29.95                      | 153                  | 352                     | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       | *                                                                                           | 5825                 | 110.02              | -                       | -                           | 92.88                     | 32.92                         | 14.12                  | 29.9                       | 102                  | 348                     | P                       | V               |
|                                       | *                                                                                           | 5825                 | 102.27              | -                       | -                           | 85.13                     | 32.92                         | 14.12                  | 29.9                       | 102                  | 348                     | A                       | V               |
|                                       |                                                                                             | 5853.6               | 58.62               | -55.37                  | 113.99                      | 41.53                     | 32.98                         | 14.02                  | 29.91                      | 102                  | 348                     | P                       | V               |
|                                       |                                                                                             | 5856.2               | 55.57               | -54.89                  | 110.46                      | 38.49                     | 32.98                         | 14.01                  | 29.91                      | 102                  | 348                     | P                       | V               |
|                                       |                                                                                             | 5904.4               | 56.32               | -27.09                  | 83.41                       | 39.31                     | 33.09                         | 13.85                  | 29.93                      | 102                  | 348                     | P                       | V               |
|                                       |                                                                                             | 5950                 | 55.26               | -12.94                  | 68.2                        | 38.33                     | 33.19                         | 13.7                   | 29.96                      | 102                  | 348                     | P                       | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b>                         | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Band 4 5725~5850MHz**

**WIFI 802.11a (Harmonic @ 3m)**

| WIFI                         | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                         |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3+2                          |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11a<br>CH 149<br>5745MHz |                                                              | 11490     | 47.07      | -26.93 | 74         | 51.18    | 39.71    | 18.37  | 62.19  | 100    | 0       | P     | H     |
|                              |                                                              | 17235     | 51.32      | -16.88 | 68.2       | 44.01    | 43.12    | 23.27  | 59.08  | 100    | 0       | P     | H     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                              | 11490     | 47.8       | -26.2  | 74         | 51.91    | 39.71    | 18.37  | 62.19  | 100    | 0       | P     | V     |
|                              |                                                              | 17235     | 50.42      | -17.78 | 68.2       | 43.11    | 43.12    | 23.27  | 59.08  | 100    | 0       | P     | V     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | V     |
| 802.11a<br>CH 157<br>5785MHz |                                                              | 11570     | 47.53      | -26.47 | 74         | 51.75    | 39.6     | 18.44  | 62.26  | 100    | 0       | P     | H     |
|                              |                                                              | 17355     | 51.14      | -17.06 | 68.2       | 42.78    | 43.75    | 23.43  | 58.82  | 100    | 0       | P     | H     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                              | 11570     | 47.14      | -26.86 | 74         | 51.36    | 39.6     | 18.44  | 62.26  | 100    | 0       | P     | V     |
|                              |                                                              | 17355     | 52.19      | -16.01 | 68.2       | 43.83    | 43.75    | 23.43  | 58.82  | 100    | 0       | P     | V     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | V     |
| 802.11a<br>CH 165<br>5825MHz |                                                              | 11650     | 49.48      | -24.52 | 74         | 53.81    | 39.49    | 18.5   | 62.32  | 100    | 0       | P     | H     |
|                              |                                                              | 17475     | 51.86      | -16.34 | 68.2       | 42.46    | 44.37    | 23.59  | 58.56  | 100    | 0       | P     | H     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                              | 11650     | 48.21      | -25.79 | 74         | 52.54    | 39.49    | 18.5   | 62.32  | 100    | 0       | P     | V     |
|                              |                                                              | 17475     | 52.46      | -15.74 | 68.2       | 43.06    | 44.37    | 23.59  | 58.56  | 100    | 0       | P     | V     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |       | V     |
| Remark                       | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |       |       |
|                              | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3+2                                  |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |      | 5642.4    | 55.51      | -12.69 | 68.2       | 39.04    | 32.51    | 13.77  | 29.81  | 146    | 353     | P     | H     |
|                                      |      | 5688.6    | 55.75      | -41.04 | 96.79      | 39.07    | 32.61    | 13.9   | 29.83  | 146    | 353     | P     | H     |
|                                      |      | 5719.6    | 58.98      | -51.71 | 110.69     | 42.17    | 32.68    | 13.98  | 29.85  | 146    | 353     | P     | H     |
|                                      |      | 5722.8    | 65.06      | -52.12 | 117.18     | 48.23    | 32.69    | 13.99  | 29.85  | 146    | 353     | P     | H     |
|                                      | *    | 5745      | 109.38     | -      | -          | 92.45    | 32.74    | 14.05  | 29.86  | 146    | 353     | P     | H     |
|                                      | *    | 5745      | 101.75     | -      | -          | 84.82    | 32.74    | 14.05  | 29.86  | 146    | 353     | A     | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      | 5628.6    | 55.39      | -12.81 | 68.2       | 38.97    | 32.48    | 13.74  | 29.8   | 102    | 358     | P     | V     |
|                                      |      | 5694.4    | 56.18      | -44.89 | 101.07     | 39.47    | 32.63    | 13.91  | 29.83  | 102    | 358     | P     | V     |
|                                      |      | 5719.6    | 58.84      | -51.85 | 110.69     | 42.03    | 32.68    | 13.98  | 29.85  | 102    | 358     | P     | V     |
|                                      |      | 5724.8    | 65.07      | -56.67 | 121.74     | 48.23    | 32.69    | 14     | 29.85  | 102    | 358     | P     | V     |
|                                      | *    | 5745      | 110.06     | -      | -          | 93.13    | 32.74    | 14.05  | 29.86  | 102    | 358     | P     | V     |
|                                      | *    | 5745      | 102.14     | -      | -          | 85.21    | 32.74    | 14.05  | 29.86  | 102    | 358     | A     | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>3+2                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 157<br>5785MHz |      | 5610.4               | 55.87               | -12.33                  | 68.2                        | 39.53                     | 32.44                         | 13.69                  | 29.79                      | 153                  | 353                     | P                       | H               |
|                                      |      | 5672.6               | 55.57               | -29.39                  | 84.96                       | 38.95                     | 32.58                         | 13.86                  | 29.82                      | 153                  | 353                     | P                       | H               |
|                                      |      | 5707.4               | 55.62               | -51.65                  | 107.27                      | 38.85                     | 32.66                         | 13.95                  | 29.84                      | 153                  | 353                     | P                       | H               |
|                                      |      | 5724.8               | 55.76               | -65.98                  | 121.74                      | 38.92                     | 32.69                         | 14                     | 29.85                      | 153                  | 353                     | P                       | H               |
|                                      | *    | 5785                 | 108.64              | -                       | -                           | 91.53                     | 32.83                         | 14.16                  | 29.88                      | 153                  | 353                     | P                       | H               |
|                                      | *    | 5785                 | 100.91              | -                       | -                           | 83.8                      | 32.83                         | 14.16                  | 29.88                      | 153                  | 353                     | A                       | H               |
|                                      |      | 5852                 | 55.34               | -62.3                   | 117.64                      | 38.25                     | 32.97                         | 14.03                  | 29.91                      | 153                  | 353                     | P                       | H               |
|                                      |      | 5867.4               | 56.66               | -50.67                  | 107.33                      | 39.6                      | 33.01                         | 13.97                  | 29.92                      | 153                  | 353                     | P                       | H               |
|                                      |      | 5916                 | 56.58               | -18.26                  | 74.84                       | 39.59                     | 33.12                         | 13.81                  | 29.94                      | 153                  | 353                     | P                       | H               |
|                                      |      | 5934.4               | 56.08               | -12.12                  | 68.2                        | 39.12                     | 33.16                         | 13.75                  | 29.95                      | 153                  | 353                     | P                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5600.6               | 55.32               | -12.88                  | 68.2                        | 39.03                     | 32.42                         | 13.66                  | 29.79                      | 105                  | 357                     | P                       | V               |
|                                      |      | 5673.8               | 56.58               | -29.27                  | 85.85                       | 39.96                     | 32.58                         | 13.86                  | 29.82                      | 105                  | 357                     | P                       | V               |
|                                      |      | 5709.6               | 56                  | -51.89                  | 107.89                      | 39.22                     | 32.66                         | 13.96                  | 29.84                      | 105                  | 357                     | P                       | V               |
|                                      |      | 5724                 | 56.31               | -63.61                  | 119.92                      | 39.48                     | 32.69                         | 13.99                  | 29.85                      | 105                  | 357                     | P                       | V               |
|                                      | *    | 5785                 | 110.4               | -                       | -                           | 93.29                     | 32.83                         | 14.16                  | 29.88                      | 105                  | 357                     | P                       | V               |
|                                      | *    | 5785                 | 102.7               | -                       | -                           | 85.59                     | 32.83                         | 14.16                  | 29.88                      | 105                  | 357                     | A                       | V               |
|                                      |      | 5853.6               | 56.14               | -57.85                  | 113.99                      | 39.05                     | 32.98                         | 14.02                  | 29.91                      | 105                  | 357                     | P                       | V               |
|                                      |      | 5863                 | 56.05               | -52.51                  | 108.56                      | 38.97                     | 33                            | 13.99                  | 29.91                      | 105                  | 357                     | P                       | V               |
|                                      |      | 5902                 | 56.69               | -28.49                  | 85.18                       | 39.68                     | 33.08                         | 13.86                  | 29.93                      | 105                  | 357                     | P                       | V               |
|                                      |      | 5947                 | 55.95               | -12.25                  | 68.2                        | 39.01                     | 33.18                         | 13.71                  | 29.95                      | 105                  | 357                     | P                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>3+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 107.28              | -                       | -                           | 90.14                     | 32.92                         | 14.12                  | 29.9                       | 105                  | 53                      | P                       | H               |
|                                      | *                                                                                           | 5825                 | 99.49               | -                       | -                           | 82.35                     | 32.92                         | 14.12                  | 29.9                       | 105                  | 53                      | A                       | H               |
|                                      |                                                                                             | 5850                 | 60.74               | -61.46                  | 122.2                       | 43.65                     | 32.97                         | 14.03                  | 29.91                      | 105                  | 53                      | P                       | H               |
|                                      |                                                                                             | 5858                 | 57.94               | -52.02                  | 109.96                      | 40.85                     | 32.99                         | 14.01                  | 29.91                      | 105                  | 53                      | P                       | H               |
|                                      |                                                                                             | 5905.6               | 56.42               | -26.1                   | 82.52                       | 39.41                     | 33.09                         | 13.85                  | 29.93                      | 105                  | 53                      | P                       | H               |
|                                      |                                                                                             | 5937.8               | 55.91               | -12.29                  | 68.2                        | 38.96                     | 33.16                         | 13.74                  | 29.95                      | 105                  | 53                      | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      | *                                                                                           | 5825                 | 110.99              | -                       | -                           | 93.85                     | 32.92                         | 14.12                  | 29.9                       | 102                  | 352                     | P                       | V               |
|                                      | *                                                                                           | 5825                 | 103.02              | -                       | -                           | 85.88                     | 32.92                         | 14.12                  | 29.9                       | 102                  | 352                     | A                       | V               |
|                                      |                                                                                             | 5854.8               | 57.94               | -53.32                  | 111.26                      | 40.85                     | 32.98                         | 14.02                  | 29.91                      | 102                  | 352                     | P                       | V               |
|                                      |                                                                                             | 5859.4               | 57.79               | -51.78                  | 109.57                      | 40.71                     | 32.99                         | 14                     | 29.91                      | 102                  | 352                     | P                       | V               |
|                                      |                                                                                             | 5902.2               | 56.77               | -28.26                  | 85.03                       | 39.76                     | 33.08                         | 13.86                  | 29.93                      | 102                  | 352                     | P                       | V               |
|                                      |                                                                                             | 5939                 | 55.54               | -12.66                  | 68.2                        | 38.59                     | 33.17                         | 13.73                  | 29.95                      | 102                  | 352                     | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 3+2                                  |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |      | 5639.6    | 55.72      | -12.48 | 68.2       | 39.25    | 32.51    | 13.77  | 29.81  | 102    | 54      | P     | H     |
|                                      |      | 5689.4    | 57.22      | -40.16 | 97.38      | 40.53    | 32.62    | 13.9   | 29.83  | 102    | 54      | P     | H     |
|                                      |      | 5719      | 65.13      | -45.39 | 110.52     | 48.32    | 32.68    | 13.98  | 29.85  | 102    | 54      | P     | H     |
|                                      |      | 5723      | 66.03      | -51.61 | 117.64     | 49.2     | 32.69    | 13.99  | 29.85  | 102    | 54      | P     | H     |
|                                      | *    | 5755      | 105.28     | -      | -          | 88.3     | 32.76    | 14.08  | 29.86  | 102    | 54      | P     | H     |
|                                      | *    | 5755      | 97.55      | -      | -          | 80.57    | 32.76    | 14.08  | 29.86  | 102    | 54      | A     | H     |
|                                      |      | 5851.2    | 55.55      | -63.91 | 119.46     | 38.46    | 32.97    | 14.03  | 29.91  | 102    | 54      | P     | H     |
|                                      |      | 5867.8    | 55.82      | -51.39 | 107.21     | 38.76    | 33.01    | 13.97  | 29.92  | 102    | 54      | P     | H     |
|                                      |      | 5889.4    | 56.32      | -38.19 | 94.51      | 39.29    | 33.06    | 13.9   | 29.93  | 102    | 54      | P     | H     |
|                                      |      | 5930.2    | 55.51      | -12.69 | 68.2       | 38.55    | 33.15    | 13.76  | 29.95  | 102    | 54      | P     | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      | 5647.6    | 55.31      | -12.89 | 68.2       | 38.81    | 32.52    | 13.79  | 29.81  | 106    | 360     | P     | V     |
|                                      |      | 5698.4    | 58.36      | -45.66 | 104.02     | 41.63    | 32.64    | 13.93  | 29.84  | 106    | 360     | P     | V     |
|                                      |      | 5719      | 68.25      | -42.27 | 110.52     | 51.44    | 32.68    | 13.98  | 29.85  | 106    | 360     | P     | V     |
|                                      |      | 5723.2    | 69.21      | -48.89 | 118.1      | 52.38    | 32.69    | 13.99  | 29.85  | 106    | 360     | P     | V     |
|                                      | *    | 5755      | 107.74     | -      | -          | 90.76    | 32.76    | 14.08  | 29.86  | 106    | 360     | P     | V     |
|                                      | *    | 5755      | 99.88      | -      | -          | 82.9     | 32.76    | 14.08  | 29.86  | 106    | 360     | A     | V     |
|                                      |      | 5853.2    | 55.96      | -58.94 | 114.9      | 38.87    | 32.98    | 14.02  | 29.91  | 106    | 360     | P     | V     |
|                                      |      | 5864.6    | 57.14      | -50.97 | 108.11     | 40.08    | 33       | 13.98  | 29.92  | 106    | 360     | P     | V     |
|                                      |      | 5889.8    | 55.75      | -38.47 | 94.22      | 38.72    | 33.06    | 13.9   | 29.93  | 106    | 360     | P     | V     |
|                                      |      | 5948.4    | 55.61      | -12.59 | 68.2       | 38.68    | 33.19    | 13.7   | 29.96  | 106    | 360     | P     | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>3+2                  | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                              | 5601.2               | 54.26               | -13.94                  | 68.2                        | 37.97                     | 32.42                         | 13.66                  | 29.79                      | 100                  | 355                     | P                       | H               |
|                                      |                                                              | 5662                 | 55.48               | -21.63                  | 77.11                       | 38.91                     | 32.56                         | 13.83                  | 29.82                      | 100                  | 355                     | P                       | H               |
|                                      |                                                              | 5708.2               | 56.17               | -51.33                  | 107.5                       | 39.4                      | 32.66                         | 13.95                  | 29.84                      | 100                  | 355                     | P                       | H               |
|                                      |                                                              | 5723.6               | 55.81               | -63.2                   | 119.01                      | 38.98                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 355                     | P                       | H               |
|                                      | *                                                            | 5795                 | 106.73              | -                       | -                           | 89.57                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 355                     | P                       | H               |
|                                      | *                                                            | 5795                 | 98.93               | -                       | -                           | 81.77                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 355                     | A                       | H               |
|                                      |                                                              | 5851.2               | 56.67               | -62.79                  | 119.46                      | 39.58                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 355                     | P                       | H               |
|                                      |                                                              | 5859.4               | 56.18               | -53.39                  | 109.57                      | 39.1                      | 32.99                         | 14                     | 29.91                      | 100                  | 355                     | P                       | H               |
|                                      |                                                              | 5885.6               | 56.19               | -41.14                  | 97.33                       | 39.16                     | 33.05                         | 13.91                  | 29.93                      | 100                  | 355                     | P                       | H               |
|                                      |                                                              | 5939.4               | 55.47               | -12.73                  | 68.2                        | 38.52                     | 33.17                         | 13.73                  | 29.95                      | 100                  | 355                     | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 5624.2               | 54.77               | -13.43                  | 68.2                        | 38.37                     | 32.47                         | 13.73                  | 29.8                       | 100                  | 359                     | P                       | V               |
|                                      |                                                              | 5693.8               | 56.35               | -44.28                  | 100.63                      | 39.64                     | 32.63                         | 13.91                  | 29.83                      | 100                  | 359                     | P                       | V               |
|                                      |                                                              | 5708.2               | 55.7                | -51.8                   | 107.5                       | 38.93                     | 32.66                         | 13.95                  | 29.84                      | 100                  | 359                     | P                       | V               |
|                                      |                                                              | 5721.2               | 55.59               | -57.95                  | 113.54                      | 38.76                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 359                     | P                       | V               |
|                                      | *                                                            | 5795                 | 107.62              | -                       | -                           | 90.46                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 359                     | P                       | V               |
|                                      | *                                                            | 5795                 | 99.89               | -                       | -                           | 82.73                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 359                     | A                       | V               |
|                                      |                                                              | 5852.2               | 57.61               | -59.57                  | 117.18                      | 40.52                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 359                     | P                       | V               |
|                                      |                                                              | 5855.8               | 56.81               | -53.77                  | 110.58                      | 39.73                     | 32.98                         | 14.01                  | 29.91                      | 100                  | 359                     | P                       | V               |
|                                      |                                                              | 5883                 | 55.88               | -43.38                  | 99.26                       | 38.84                     | 33.04                         | 13.92                  | 29.92                      | 100                  | 359                     | P                       | V               |
|                                      |                                                              | 5938.6               | 55.37               | -12.83                  | 68.2                        | 38.42                     | 33.16                         | 13.74                  | 29.95                      | 100                  | 359                     | P                       | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.                                  |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                      | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI                                   | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 3+2                                    |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                              | 5621.4    | 54.84      | -13.36 | 68.2       | 38.45    | 32.47    | 13.72  | 29.8   | 117    | 360     | P       | H       |
|                                        |                                                              | 5691.8    | 62.35      | -36.8  | 99.15      | 45.65    | 32.62    | 13.91  | 29.83  | 117    | 360     | P       | H       |
|                                        |                                                              | 5718.6    | 66.81      | -43.6  | 110.41     | 49.99    | 32.68    | 13.98  | 29.84  | 117    | 360     | P       | H       |
|                                        |                                                              | 5723.2    | 67.81      | -50.29 | 118.1      | 50.98    | 32.69    | 13.99  | 29.85  | 117    | 360     | P       | H       |
|                                        | *                                                            | 5775      | 103.44     | -      | -          | 86.37    | 32.81    | 14.13  | 29.87  | 117    | 360     | P       | H       |
|                                        | *                                                            | 5775      | 95.95      | -      | -          | 78.88    | 32.81    | 14.13  | 29.87  | 117    | 360     | A       | H       |
|                                        |                                                              | 5853      | 58.16      | -57.2  | 115.36     | 41.07    | 32.98    | 14.02  | 29.91  | 117    | 360     | P       | H       |
|                                        |                                                              | 5856.4    | 58.38      | -52.03 | 110.41     | 41.3     | 32.98    | 14.01  | 29.91  | 117    | 360     | P       | H       |
|                                        |                                                              | 5883.2    | 56.48      | -42.63 | 99.11      | 39.44    | 33.04    | 13.92  | 29.92  | 117    | 360     | P       | H       |
|                                        |                                                              | 5927      | 54.79      | -13.41 | 68.2       | 37.82    | 33.14    | 13.77  | 29.94  | 117    | 360     | P       | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              | 5618.6    | 55.9       | -12.3  | 68.2       | 39.53    | 32.46    | 13.71  | 29.8   | 114    | 359     | P       | V       |
|                                        |                                                              | 5698      | 62.84      | -40.89 | 103.73     | 46.12    | 32.64    | 13.92  | 29.84  | 114    | 359     | P       | V       |
|                                        |                                                              | 5719.8    | 66.37      | -44.37 | 110.74     | 49.56    | 32.68    | 13.98  | 29.85  | 114    | 359     | P       | V       |
|                                        |                                                              | 5722.8    | 66.26      | -50.92 | 117.18     | 49.43    | 32.69    | 13.99  | 29.85  | 114    | 359     | P       | V       |
|                                        | *                                                            | 5775      | 103.94     | -      | -          | 86.87    | 32.81    | 14.13  | 29.87  | 114    | 359     | P       | V       |
|                                        | *                                                            | 5775      | 95.88      | -      | -          | 78.81    | 32.81    | 14.13  | 29.87  | 114    | 359     | A       | V       |
|                                        |                                                              | 5852.4    | 58.03      | -58.7  | 116.73     | 40.94    | 32.98    | 14.02  | 29.91  | 114    | 359     | P       | V       |
|                                        |                                                              | 5855.8    | 59.12      | -51.46 | 110.58     | 42.04    | 32.98    | 14.01  | 29.91  | 114    | 359     | P       | V       |
|                                        |                                                              | 5876.4    | 56.72      | -47.44 | 104.16     | 39.67    | 33.03    | 13.94  | 29.92  | 114    | 359     | P       | V       |
|                                        |                                                              | 5931.2    | 55.2       | -13    | 68.2       | 38.24    | 33.15    | 13.76  | 29.95  | 114    | 359     | P       | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                        | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |

## Emission below 1GHz

## 5GHz WIFI 802.11a (LF @ 3m)

| WIFI                  | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|-----------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                  |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 3+2                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 5GHz<br>802.11a<br>LF |                                                                            | 97.9      | 34.41      | -9.09  | 43.5       | 50.15    | 15.58    | 1.05   | 32.37  | 100    | 0       | P       | H       |
|                       |                                                                            | 160.95    | 26.5       | -17    | 43.5       | 40.83    | 16.48    | 1.55   | 32.36  | -      | -       | P       | H       |
|                       |                                                                            | 649.83    | 28.28      | -17.72 | 46         | 30.53    | 26.28    | 4.08   | 32.61  | -      | -       | P       | H       |
|                       |                                                                            | 769.14    | 29.98      | -16.02 | 46         | 29.71    | 28.22    | 4.46   | 32.41  | -      | -       | P       | H       |
|                       |                                                                            | 901.06    | 33.69      | -12.31 | 46         | 31.75    | 29.07    | 4.65   | 31.78  | -      | -       | P       | H       |
|                       |                                                                            | 976.72    | 34.99      | -19.01 | 54         | 30.08    | 30.88    | 5.14   | 31.11  | -      | -       | P       | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                       |                                                                            | 98.87     | 29.9       | -13.6  | 43.5       | 45.52    | 15.7     | 1.05   | 32.37  | -      | -       | P       | V       |
|                       |                                                                            | 162.89    | 25.46      | -18.04 | 43.5       | 40.02    | 16.24    | 1.56   | 32.36  | -      | -       | P       | V       |
|                       |                                                                            | 358.83    | 21.76      | -24.24 | 46         | 30.65    | 20.69    | 2.89   | 32.47  | -      | -       | P       | V       |
|                       |                                                                            | 559.62    | 27.45      | -18.55 | 46         | 30.18    | 26.27    | 3.64   | 32.64  | -      | -       | P       | V       |
|                       |                                                                            | 764.29    | 30.57      | -15.43 | 46         | 30.29    | 28.22    | 4.48   | 32.42  | -      | -       | P       | V       |
|                       |                                                                            | 940.83    | 33.12      | -12.88 | 46         | 29.44    | 30.49    | 4.62   | 31.43  | 100    | 0       | P       | V       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         | V       |         |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         | V       |         |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         | V       |         |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         | V       |         |
|                       |                                                                            |           |            |        |            |          |          |        |        |        |         | V       |         |
| Remark                | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## &lt;Gaming Mode&gt;

## Band 4 - 5725~5850MHz

## WIFI 802.11a (Band Edge @ 3m)

| WIFI Ant.                    | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1                            |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |      | 5643.2    | 54.79      | -13.41     | 68.2       | 38.3       | 32.52          | 13.78     | 29.81         | 100     | 57        | P         | H       |
|                              |      | 5697.8    | 56.34      | -47.24     | 103.58     | 39.61      | 32.64          | 13.92     | 29.83         | 100     | 57        | P         | H       |
|                              |      | 5714.6    | 57.07      | -52.22     | 109.29     | 40.27      | 32.67          | 13.97     | 29.84         | 100     | 57        | P         | H       |
|                              |      | 5725      | 61.09      | -61.11     | 122.2      | 44.25      | 32.69          | 14        | 29.85         | 100     | 57        | P         | H       |
|                              | *    | 5745      | 108.39     | -          | -          | 91.46      | 32.74          | 14.05     | 29.86         | 100     | 57        | P         | H       |
|                              | *    | 5745      | 100.65     | -          | -          | 83.72      | 32.74          | 14.05     | 29.86         | 100     | 57        | A         | H       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |      | 5602.4    | 54.55      | -13.65     | 68.2       | 38.24      | 32.43          | 13.67     | 29.79         | 400     | 34        | P         | V       |
|                              |      | 5695      | 54.67      | -46.84     | 101.51     | 37.95      | 32.63          | 13.92     | 29.83         | 400     | 34        | P         | V       |
|                              |      | 5712.8    | 54.97      | -53.82     | 108.79     | 38.18      | 32.67          | 13.96     | 29.84         | 400     | 34        | P         | V       |
|                              |      | 5723.6    | 56.24      | -62.77     | 119.01     | 39.41      | 32.69          | 13.99     | 29.85         | 400     | 34        | P         | V       |
|                              | *    | 5745      | 102.98     | -          | -          | 86.05      | 32.74          | 14.05     | 29.86         | 400     | 34        | P         | V       |
|                              | *    | 5745      | 95.45      | -          | -          | 78.52      | 32.74          | 14.05     | 29.86         | 400     | 34        | A         | V       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | V       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | V       |



| WIFI<br>Ant.<br>1            | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 157<br>5785MHz |      | 5636.2               | 54.74               | -13.46                  | 68.2                        | 38.29                     | 32.5                          | 13.76                  | 29.81                      | 100                  | 58                      | P                       | H               |
|                              |      | 5655.4               | 54.48               | -17.73                  | 72.21                       | 37.94                     | 32.54                         | 13.81                  | 29.81                      | 100                  | 58                      | P                       | H               |
|                              |      | 5706.2               | 53.91               | -53.03                  | 106.94                      | 37.15                     | 32.65                         | 13.95                  | 29.84                      | 100                  | 58                      | P                       | H               |
|                              |      | 5720.8               | 53.5                | -59.12                  | 112.62                      | 36.67                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 58                      | P                       | H               |
|                              | *    | 5785                 | 108.68              | -                       | -                           | 91.57                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 58                      | P                       | H               |
|                              | *    | 5785                 | 100.78              | -                       | -                           | 83.67                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 58                      | A                       | H               |
|                              |      | 5850.2               | 53.54               | -68.2                   | 121.74                      | 36.45                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 58                      | P                       | H               |
|                              |      | 5866.2               | 54.62               | -53.04                  | 107.66                      | 37.55                     | 33.01                         | 13.98                  | 29.92                      | 100                  | 58                      | P                       | H               |
|                              |      | 5905.4               | 55.87               | -26.8                   | 82.67                       | 38.86                     | 33.09                         | 13.85                  | 29.93                      | 100                  | 58                      | P                       | H               |
|                              |      | 5948.8               | 55.1                | -13.1                   | 68.2                        | 38.17                     | 33.19                         | 13.7                   | 29.96                      | 100                  | 58                      | P                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5626.4               | 54.06               | -14.14                  | 68.2                        | 37.65                     | 32.48                         | 13.73                  | 29.8                       | 394                  | 34                      | P                       | V               |
|                              |      | 5670.2               | 54.44               | -28.75                  | 83.19                       | 37.84                     | 32.57                         | 13.85                  | 29.82                      | 394                  | 34                      | P                       | V               |
|                              |      | 5711.2               | 55.04               | -53.3                   | 108.34                      | 38.26                     | 32.66                         | 13.96                  | 29.84                      | 394                  | 34                      | P                       | V               |
|                              |      | 5723.8               | 53.12               | -66.34                  | 119.46                      | 36.29                     | 32.69                         | 13.99                  | 29.85                      | 394                  | 34                      | P                       | V               |
|                              | *    | 5785                 | 102.85              | -                       | -                           | 85.74                     | 32.83                         | 14.16                  | 29.88                      | 394                  | 34                      | P                       | V               |
|                              | *    | 5785                 | 95.35               | -                       | -                           | 78.24                     | 32.83                         | 14.16                  | 29.88                      | 394                  | 34                      | A                       | V               |
|                              |      | 5853                 | 53.59               | -61.77                  | 115.36                      | 36.5                      | 32.98                         | 14.02                  | 29.91                      | 394                  | 34                      | P                       | V               |
|                              |      | 5872.4               | 55.78               | -50.15                  | 105.93                      | 38.72                     | 33.02                         | 13.96                  | 29.92                      | 394                  | 34                      | P                       | V               |
|                              |      | 5889.2               | 54.99               | -39.67                  | 94.66                       | 37.96                     | 33.06                         | 13.9                   | 29.93                      | 394                  | 34                      | P                       | V               |
|                              |      | 5939.6               | 54.81               | -13.39                  | 68.2                        | 37.86                     | 33.17                         | 13.73                  | 29.95                      | 394                  | 34                      | P                       | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1                                                                                            | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b>                                                                        | *    | 5825                 | 108.89              | -                       | -                           | 91.75                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 60                      | P                       | H               |
|                                                                                                              | *    | 5825                 | 101.04              | -                       | -                           | 83.9                      | 32.92                         | 14.12                  | 29.9                       | 100                  | 60                      | A                       | H               |
|                                                                                                              |      | 5853.2               | 58.17               | -56.73                  | 114.9                       | 41.08                     | 32.98                         | 14.02                  | 29.91                      | 100                  | 60                      | P                       | H               |
|                                                                                                              |      | 5855                 | 57.56               | -53.24                  | 110.8                       | 40.47                     | 32.98                         | 14.02                  | 29.91                      | 100                  | 60                      | P                       | H               |
|                                                                                                              |      | 5918.4               | 56                  | -17.07                  | 73.07                       | 39.02                     | 33.12                         | 13.8                   | 29.94                      | 100                  | 60                      | P                       | H               |
|                                                                                                              |      | 5944                 | 54.85               | -13.35                  | 68.2                        | 37.9                      | 33.18                         | 13.72                  | 29.95                      | 100                  | 60                      | P                       | H               |
|                                                                                                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                                                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                                                              | *    | 5825                 | 102.98              | -                       | -                           | 85.84                     | 32.92                         | 14.12                  | 29.9                       | 390                  | 33                      | P                       | V               |
|                                                                                                              | *    | 5825                 | 95.27               | -                       | -                           | 78.13                     | 32.92                         | 14.12                  | 29.9                       | 390                  | 33                      | A                       | V               |
|                                                                                                              |      | 5851.8               | 55.78               | -62.32                  | 118.1                       | 38.69                     | 32.97                         | 14.03                  | 29.91                      | 390                  | 33                      | P                       | V               |
|                                                                                                              |      | 5865.8               | 55.63               | -52.14                  | 107.77                      | 38.57                     | 33                            | 13.98                  | 29.92                      | 390                  | 33                      | P                       | V               |
|                                                                                                              |      | 5883.6               | 55.09               | -43.72                  | 98.81                       | 38.05                     | 33.04                         | 13.92                  | 29.92                      | 390                  | 33                      | P                       | V               |
|                                                                                                              |      | 5944.4               | 54.82               | -13.38                  | 68.2                        | 37.87                     | 33.18                         | 13.72                  | 29.95                      | 390                  | 33                      | P                       | V               |
|                                                                                                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                                                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                                                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b><br>1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI                         | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1                            |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |                                                              | 11490     | 46.03      | -27.97 | 74         | 50.14    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | H       |
|                              |                                                              | 17235     | 50.48      | -17.72 | 68.2       | 43.17    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11490     | 46.15      | -27.85 | 74         | 50.26    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | V       |
|                              |                                                              | 17235     | 49.67      | -18.53 | 68.2       | 42.36    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 157<br>5785MHz |                                                              | 11570     | 45.04      | -28.96 | 74         | 49.26    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | H       |
|                              |                                                              | 17355     | 50.86      | -17.34 | 68.2       | 42.5     | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11570     | 45.51      | -28.49 | 74         | 49.73    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | V       |
|                              |                                                              | 17355     | 50.16      | -18.04 | 68.2       | 41.8     | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 165<br>5825MHz |                                                              | 11650     | 45.88      | -28.12 | 74         | 50.21    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | H       |
|                              |                                                              | 17475     | 52.17      | -16.03 | 68.2       | 42.77    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11650     | 45.52      | -28.48 | 74         | 49.85    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | V       |
|                              |                                                              | 17475     | 51.27      | -16.93 | 68.2       | 41.87    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                       | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                              | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |      | 5644.2    | 54.3       | -13.9  | 68.2       | 37.81    | 32.52    | 13.78  | 29.81  | 100    | 62      | P     | H     |
|                                      |      | 5695.6    | 56.16      | -45.8  | 101.96     | 39.44    | 32.63    | 13.92  | 29.83  | 100    | 62      | P     | H     |
|                                      |      | 5718      | 58.21      | -52.03 | 110.24     | 41.39    | 32.68    | 13.98  | 29.84  | 100    | 62      | P     | H     |
|                                      |      | 5723.2    | 61.01      | -57.09 | 118.1      | 44.18    | 32.69    | 13.99  | 29.85  | 100    | 62      | P     | H     |
|                                      | *    | 5745      | 109.12     | -      | -          | 92.19    | 32.74    | 14.05  | 29.86  | 100    | 62      | P     | H     |
|                                      | *    | 5745      | 101.33     | -      | -          | 84.4     | 32.74    | 14.05  | 29.86  | 100    | 62      | A     | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      | 5604.6    | 54.75      | -13.45 | 68.2       | 38.44    | 32.43    | 13.67  | 29.79  | 399    | 34      | P     | V     |
|                                      |      | 5673.4    | 55.41      | -30.15 | 85.56      | 38.79    | 32.58    | 13.86  | 29.82  | 399    | 34      | P     | V     |
|                                      |      | 5713.4    | 55.55      | -53.4  | 108.95     | 38.75    | 32.67    | 13.97  | 29.84  | 399    | 34      | P     | V     |
|                                      |      | 5724.6    | 57.06      | -64.23 | 121.29     | 40.22    | 32.69    | 14     | 29.85  | 399    | 34      | P     | V     |
|                                      | *    | 5745      | 103.08     | -      | -          | 86.15    | 32.74    | 14.05  | 29.86  | 399    | 34      | P     | V     |
|                                      | *    | 5745      | 95.31      | -      | -          | 78.38    | 32.74    | 14.05  | 29.86  | 399    | 34      | A     | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>1                    | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 157<br>5785MHz |      | 5649.2               | 54.5                | -13.7                   | 68.2                        | 37.99                     | 32.53                         | 13.79                  | 29.81                      | 100                  | 57                      | P                       | H               |
|                                      |      | 5698.8               | 56.1                | -48.22                  | 104.32                      | 39.37                     | 32.64                         | 13.93                  | 29.84                      | 100                  | 57                      | P                       | H               |
|                                      |      | 5713                 | 54.26               | -54.58                  | 108.84                      | 37.46                     | 32.67                         | 13.97                  | 29.84                      | 100                  | 57                      | P                       | H               |
|                                      |      | 5722.4               | 53.69               | -62.58                  | 116.27                      | 36.86                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 57                      | P                       | H               |
|                                      | *    | 5785                 | 108.12              | -                       | -                           | 91.01                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 57                      | P                       | H               |
|                                      | *    | 5785                 | 100.53              | -                       | -                           | 83.42                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 57                      | A                       | H               |
|                                      |      | 5854.8               | 53.77               | -57.49                  | 111.26                      | 36.68                     | 32.98                         | 14.02                  | 29.91                      | 100                  | 57                      | P                       | H               |
|                                      |      | 5873.8               | 54.84               | -50.7                   | 105.54                      | 37.79                     | 33.02                         | 13.95                  | 29.92                      | 100                  | 57                      | P                       | H               |
|                                      |      | 5878.6               | 55.36               | -47.17                  | 102.53                      | 38.31                     | 33.03                         | 13.94                  | 29.92                      | 100                  | 57                      | P                       | H               |
|                                      |      | 5930                 | 54.43               | -13.77                  | 68.2                        | 37.47                     | 33.15                         | 13.76                  | 29.95                      | 100                  | 57                      | P                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5648.6               | 54.52               | -13.68                  | 68.2                        | 38.01                     | 32.53                         | 13.79                  | 29.81                      | 398                  | 34                      | P                       | V               |
|                                      |      | 5666.4               | 54.91               | -25.46                  | 80.37                       | 38.32                     | 32.57                         | 13.84                  | 29.82                      | 398                  | 34                      | P                       | V               |
|                                      |      | 5702.8               | 54.52               | -51.47                  | 105.99                      | 37.77                     | 32.65                         | 13.94                  | 29.84                      | 398                  | 34                      | P                       | V               |
|                                      |      | 5724.2               | 53.53               | -66.85                  | 120.38                      | 36.69                     | 32.69                         | 14                     | 29.85                      | 398                  | 34                      | P                       | V               |
|                                      | *    | 5785                 | 102.81              | -                       | -                           | 85.7                      | 32.83                         | 14.16                  | 29.88                      | 398                  | 34                      | P                       | V               |
|                                      | *    | 5785                 | 95.07               | -                       | -                           | 77.96                     | 32.83                         | 14.16                  | 29.88                      | 398                  | 34                      | A                       | V               |
|                                      |      | 5855                 | 54.53               | -56.27                  | 110.8                       | 37.44                     | 32.98                         | 14.02                  | 29.91                      | 398                  | 34                      | P                       | V               |
|                                      |      | 5892.4               | 54.72               | -37.57                  | 92.29                       | 37.7                      | 33.06                         | 13.89                  | 29.93                      | 398                  | 34                      | P                       | V               |
|                                      |      | 5912.6               | 54.86               | -22.49                  | 77.35                       | 37.87                     | 33.11                         | 13.82                  | 29.94                      | 398                  | 34                      | P                       | V               |
|                                      |      | 5949.2               | 54.32               | -13.88                  | 68.2                        | 37.39                     | 33.19                         | 13.7                   | 29.96                      | 398                  | 34                      | P                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 108.19              | -                       | -                           | 91.05                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 61                      | P                       | H               |
|                                      | *                                                                                           | 5825                 | 100.41              | -                       | -                           | 83.27                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 61                      | A                       | H               |
|                                      |                                                                                             | 5850                 | 58.76               | -63.44                  | 122.2                       | 41.67                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 61                      | P                       | H               |
|                                      |                                                                                             | 5857.6               | 57.19               | -52.88                  | 110.07                      | 40.1                      | 32.99                         | 14.01                  | 29.91                      | 100                  | 61                      | P                       | H               |
|                                      |                                                                                             | 5880                 | 54.72               | -46.77                  | 101.49                      | 37.67                     | 33.04                         | 13.93                  | 29.92                      | 100                  | 61                      | P                       | H               |
|                                      |                                                                                             | 5931.8               | 54.45               | -13.75                  | 68.2                        | 37.49                     | 33.15                         | 13.76                  | 29.95                      | 100                  | 61                      | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      | *                                                                                           | 5825                 | 102.63              | -                       | -                           | 85.49                     | 32.92                         | 14.12                  | 29.9                       | 391                  | 34                      | P                       | V               |
|                                      | *                                                                                           | 5825                 | 94.97               | -                       | -                           | 77.83                     | 32.92                         | 14.12                  | 29.9                       | 391                  | 34                      | A                       | V               |
|                                      |                                                                                             | 5850.6               | 55.4                | -65.43                  | 120.83                      | 38.31                     | 32.97                         | 14.03                  | 29.91                      | 391                  | 34                      | P                       | V               |
|                                      |                                                                                             | 5855                 | 55.09               | -55.71                  | 110.8                       | 38                        | 32.98                         | 14.02                  | 29.91                      | 391                  | 34                      | P                       | V               |
|                                      |                                                                                             | 5917.2               | 54.84               | -19.11                  | 73.95                       | 37.85                     | 33.12                         | 13.81                  | 29.94                      | 391                  | 34                      | P                       | V               |
|                                      |                                                                                             | 5936.6               | 55.12               | -13.08                  | 68.2                        | 38.17                     | 33.16                         | 13.74                  | 29.95                      | 391                  | 34                      | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |      | 5639.8    | 54.18      | -14.02 | 68.2       | 37.71    | 32.51    | 13.77  | 29.81  | 100    | 61      | P     | H     |
|                                      |      | 5699.8    | 57.25      | -47.8  | 105.05     | 40.52    | 32.64    | 13.93  | 29.84  | 100    | 61      | P     | H     |
|                                      |      | 5717.4    | 61.27      | -48.8  | 110.07     | 44.45    | 32.68    | 13.98  | 29.84  | 100    | 61      | P     | H     |
|                                      |      | 5723.2    | 63.46      | -54.64 | 118.1      | 46.63    | 32.69    | 13.99  | 29.85  | 100    | 61      | P     | H     |
|                                      | *    | 5755      | 104.93     | -      | -          | 87.95    | 32.76    | 14.08  | 29.86  | 100    | 61      | P     | H     |
|                                      | *    | 5755      | 97.19      | -      | -          | 80.21    | 32.76    | 14.08  | 29.86  | 100    | 61      | A     | H     |
|                                      |      | 5852.6    | 54.62      | -61.65 | 116.27     | 37.53    | 32.98    | 14.02  | 29.91  | 100    | 61      | P     | H     |
|                                      |      | 5866      | 54.3       | -53.42 | 107.72     | 37.23    | 33.01    | 13.98  | 29.92  | 100    | 61      | P     | H     |
|                                      |      | 5879.2    | 55.43      | -46.65 | 102.08     | 38.39    | 33.03    | 13.93  | 29.92  | 100    | 61      | P     | H     |
|                                      |      | 5942.2    | 55.75      | -12.45 | 68.2       | 38.81    | 33.17    | 13.72  | 29.95  | 100    | 61      | P     | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      | 5612.2    | 54.03      | -14.17 | 68.2       | 37.68    | 32.45    | 13.69  | 29.79  | 400    | 36      | P     | V     |
|                                      |      | 5687.4    | 55.44      | -40.47 | 95.91      | 38.76    | 32.61    | 13.9   | 29.83  | 400    | 36      | P     | V     |
|                                      |      | 5716.2    | 57.95      | -51.79 | 109.74     | 41.14    | 32.68    | 13.97  | 29.84  | 400    | 36      | P     | V     |
|                                      |      | 5722.6    | 59.35      | -57.38 | 116.73     | 42.52    | 32.69    | 13.99  | 29.85  | 400    | 36      | P     | V     |
|                                      | *    | 5755      | 100.11     | -      | -          | 83.13    | 32.76    | 14.08  | 29.86  | 400    | 36      | P     | V     |
|                                      | *    | 5755      | 92.17      | -      | -          | 75.19    | 32.76    | 14.08  | 29.86  | 400    | 36      | A     | V     |
|                                      |      | 5853.4    | 55.7       | -58.75 | 114.45     | 38.61    | 32.98    | 14.02  | 29.91  | 400    | 36      | P     | V     |
|                                      |      | 5866      | 54.69      | -53.03 | 107.72     | 37.62    | 33.01    | 13.98  | 29.92  | 400    | 36      | P     | V     |
|                                      |      | 5916.6    | 54.73      | -19.66 | 74.39      | 37.74    | 33.12    | 13.81  | 29.94  | 400    | 36      | P     | V     |
|                                      |      | 5925.4    | 55.39      | -12.81 | 68.2       | 38.41    | 33.14    | 13.78  | 29.94  | 400    | 36      | P     | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>1                    | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                              | 5617                 | 54.05               | -14.15                  | 68.2                        | 37.68                     | 32.46                         | 13.71                  | 29.8                       | 100                  | 62                      | P                       | H               |
|                                      |                                                              | 5696                 | 54.89               | -47.36                  | 102.25                      | 38.17                     | 32.63                         | 13.92                  | 29.83                      | 100                  | 62                      | P                       | H               |
|                                      |                                                              | 5717.4               | 55.91               | -54.16                  | 110.07                      | 39.09                     | 32.68                         | 13.98                  | 29.84                      | 100                  | 62                      | P                       | H               |
|                                      |                                                              | 5723.4               | 56.09               | -62.46                  | 118.55                      | 39.26                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 62                      | P                       | H               |
|                                      | *                                                            | 5795                 | 105.68              | -                       | -                           | 88.52                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 62                      | P                       | H               |
|                                      | *                                                            | 5795                 | 97.8                | -                       | -                           | 80.64                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 62                      | A                       | H               |
|                                      |                                                              | 5852                 | 58.4                | -59.24                  | 117.64                      | 41.31                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 62                      | P                       | H               |
|                                      |                                                              | 5856.6               | 58.48               | -51.87                  | 110.35                      | 41.4                      | 32.98                         | 14.01                  | 29.91                      | 100                  | 62                      | P                       | H               |
|                                      |                                                              | 5881.4               | 55.32               | -45.13                  | 100.45                      | 38.27                     | 33.04                         | 13.93                  | 29.92                      | 100                  | 62                      | P                       | H               |
|                                      |                                                              | 5941.4               | 54.72               | -13.48                  | 68.2                        | 37.77                     | 33.17                         | 13.73                  | 29.95                      | 100                  | 62                      | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 5624.4               | 55.56               | -12.64                  | 68.2                        | 39.16                     | 32.47                         | 13.73                  | 29.8                       | 396                  | 34                      | P                       | V               |
|                                      |                                                              | 5677.8               | 54.37               | -34.44                  | 88.81                       | 37.74                     | 32.59                         | 13.87                  | 29.83                      | 396                  | 34                      | P                       | V               |
|                                      |                                                              | 5710                 | 53.71               | -54.29                  | 108                         | 36.93                     | 32.66                         | 13.96                  | 29.84                      | 396                  | 34                      | P                       | V               |
|                                      |                                                              | 5722.4               | 53.69               | -62.58                  | 116.27                      | 36.86                     | 32.69                         | 13.99                  | 29.85                      | 396                  | 34                      | P                       | V               |
|                                      | *                                                            | 5795                 | 99.68               | -                       | -                           | 82.52                     | 32.85                         | 14.19                  | 29.88                      | 396                  | 34                      | P                       | V               |
|                                      | *                                                            | 5795                 | 92.07               | -                       | -                           | 74.91                     | 32.85                         | 14.19                  | 29.88                      | 396                  | 34                      | A                       | V               |
|                                      |                                                              | 5854.4               | 55.49               | -56.68                  | 112.17                      | 38.4                      | 32.98                         | 14.02                  | 29.91                      | 396                  | 34                      | P                       | V               |
|                                      |                                                              | 5869                 | 54.68               | -52.2                   | 106.88                      | 37.62                     | 33.01                         | 13.97                  | 29.92                      | 396                  | 34                      | P                       | V               |
|                                      |                                                              | 5875.8               | 54.66               | -49.95                  | 104.61                      | 37.6                      | 33.03                         | 13.95                  | 29.92                      | 396                  | 34                      | P                       | V               |
|                                      |                                                              | 5947.6               | 55.29               | -12.91                  | 68.2                        | 38.35                     | 33.18                         | 13.71                  | 29.95                      | 396                  | 34                      | P                       | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.                                  |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                      | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI                                   | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1                                      |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                              | 5643.2    | 55.15      | -13.05 | 68.2       | 38.66    | 32.52    | 13.78  | 29.81  | 100    | 62      | P       | H       |
|                                        |                                                              | 5698.2    | 63.47      | -40.4  | 103.87     | 46.74    | 32.64    | 13.93  | 29.84  | 100    | 62      | P       | H       |
|                                        |                                                              | 5712.8    | 65.17      | -43.62 | 108.79     | 48.38    | 32.67    | 13.96  | 29.84  | 100    | 62      | P       | H       |
|                                        |                                                              | 5723.8    | 65.26      | -54.2  | 119.46     | 48.43    | 32.69    | 13.99  | 29.85  | 100    | 62      | P       | H       |
|                                        | *                                                            | 5775      | 102.26     | -      | -          | 85.19    | 32.81    | 14.13  | 29.87  | 100    | 62      | P       | H       |
|                                        | *                                                            | 5775      | 94.39      | -      | -          | 77.32    | 32.81    | 14.13  | 29.87  | 100    | 62      | A       | H       |
|                                        |                                                              | 5853      | 65.89      | -49.47 | 115.36     | 48.8     | 32.98    | 14.02  | 29.91  | 100    | 62      | P       | H       |
|                                        |                                                              | 5855.8    | 64.19      | -46.39 | 110.58     | 47.11    | 32.98    | 14.01  | 29.91  | 100    | 62      | P       | H       |
|                                        |                                                              | 5877.2    | 58.79      | -44.78 | 103.57     | 41.74    | 33.03    | 13.94  | 29.92  | 100    | 62      | P       | H       |
|                                        |                                                              | 5931.6    | 56.57      | -11.63 | 68.2       | 39.61    | 33.15    | 13.76  | 29.95  | 100    | 62      | P       | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              | 5644.2    | 53.89      | -14.31 | 68.2       | 37.4     | 32.52    | 13.78  | 29.81  | 400    | 34      | P       | V       |
|                                        |                                                              | 5696.8    | 61.28      | -41.56 | 102.84     | 44.56    | 32.63    | 13.92  | 29.83  | 400    | 34      | P       | V       |
|                                        |                                                              | 5717.2    | 62.69      | -47.33 | 110.02     | 45.87    | 32.68    | 13.98  | 29.84  | 400    | 34      | P       | V       |
|                                        |                                                              | 5720.4    | 62         | -49.71 | 111.71     | 45.18    | 32.68    | 13.99  | 29.85  | 400    | 34      | P       | V       |
|                                        | *                                                            | 5775      | 97.05      | -      | -          | 79.98    | 32.81    | 14.13  | 29.87  | 400    | 34      | P       | V       |
|                                        | *                                                            | 5775      | 89.33      | -      | -          | 72.26    | 32.81    | 14.13  | 29.87  | 400    | 34      | A       | V       |
|                                        |                                                              | 5852.4    | 58.8       | -57.93 | 116.73     | 41.71    | 32.98    | 14.02  | 29.91  | 400    | 34      | P       | V       |
|                                        |                                                              | 5857.8    | 58.83      | -51.18 | 110.01     | 41.74    | 32.99    | 14.01  | 29.91  | 400    | 34      | P       | V       |
|                                        |                                                              | 5876.6    | 55.8       | -48.21 | 104.01     | 38.75    | 33.03    | 13.94  | 29.92  | 400    | 34      | P       | V       |
|                                        |                                                              | 5927      | 54.52      | -13.68 | 68.2       | 37.55    | 33.14    | 13.77  | 29.94  | 400    | 34      | P       | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                        | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |

## Emission below 1GHz

## 5GHz WIFI 802.11ac VHT80 (LF @ 3m)

| WIFI                                | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1                                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 5GHz<br>802.11ac<br><br>VHT80<br>LF |                                                                            | 98.87     | 34.92      | -8.58  | 43.5       | 50.54    | 15.7     | 1.05   | 32.37  | 100    | 0       | P     | H     |
|                                     |                                                                            | 162.89    | 27.42      | -16.08 | 43.5       | 41.98    | 16.24    | 1.56   | 32.36  | -      | -       | P     | H     |
|                                     |                                                                            | 377.26    | 25         | -21    | 46         | 33.39    | 21.05    | 3.04   | 32.48  | -      | -       | P     | H     |
|                                     |                                                                            | 676.02    | 28.3       | -17.7  | 46         | 30.34    | 26.45    | 4.08   | 32.57  | -      | -       | P     | H     |
|                                     |                                                                            | 861.29    | 32.71      | -13.29 | 46         | 30.93    | 29.13    | 4.66   | 32.01  | -      | -       | P     | H     |
|                                     |                                                                            | 967.02    | 34.19      | -19.81 | 54         | 29.49    | 30.95    | 4.95   | 31.2   | -      | -       | P     | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                     |                                                                            | 97.9      | 30.76      | -12.74 | 43.5       | 46.5     | 15.58    | 1.05   | 32.37  | 100    | 0       | P     | V     |
|                                     |                                                                            | 163.86    | 25.54      | -17.96 | 43.5       | 40.22    | 16.11    | 1.57   | 32.36  | -      | -       | P     | V     |
|                                     |                                                                            | 364.65    | 25.7       | -20.3  | 46         | 34.42    | 20.82    | 2.94   | 32.48  | -      | -       | P     | V     |
|                                     |                                                                            | 678.93    | 28.02      | -17.98 | 46         | 30.03    | 26.47    | 4.08   | 32.56  | -      | -       | P     | V     |
|                                     |                                                                            | 851.59    | 32.67      | -13.33 | 46         | 31.02    | 29.06    | 4.66   | 32.07  | -      | -       | P     | V     |
|                                     |                                                                            | 988.36    | 34.1       | -19.9  | 54         | 29.03    | 30.71    | 5.37   | 31.01  | -      | -       | P     | V     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                     |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



## Band 4 - 5725~5850MHz

## WIFI 802.11a (Band Edge @ 3m)

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0+1                          |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11a<br>CH 149<br>5745MHz |      | 5608.8    | 55.43      | -12.77 | 68.2       | 39.1     | 32.44    | 13.68  | 29.79  | 263    | 66      | P     | H     |
|                              |      | 5691.4    | 55.44      | -43.42 | 98.86      | 38.74    | 32.62    | 13.91  | 29.83  | 263    | 66      | P     | H     |
|                              |      | 5720      | 58.65      | -52.15 | 110.8      | 41.84    | 32.68    | 13.98  | 29.85  | 263    | 66      | P     | H     |
|                              |      | 5724.2    | 61.83      | -58.55 | 120.38     | 44.99    | 32.69    | 14     | 29.85  | 263    | 66      | P     | H     |
|                              | *    | 5745      | 112.54     | -      | -          | 95.61    | 32.74    | 14.05  | 29.86  | 263    | 66      | P     | H     |
|                              | *    | 5745      | 105        | -      | -          | 88.07    | 32.74    | 14.05  | 29.86  | 263    | 66      | A     | H     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |      | 5635.8    | 54.91      | -13.29 | 68.2       | 38.46    | 32.5     | 13.76  | 29.81  | 100    | 85      | P     | V     |
|                              |      | 5686.8    | 55.24      | -40.22 | 95.46      | 38.57    | 32.61    | 13.89  | 29.83  | 100    | 85      | P     | V     |
|                              |      | 5705      | 56.28      | -50.32 | 106.6      | 39.53    | 32.65    | 13.94  | 29.84  | 100    | 85      | P     | V     |
|                              |      | 5723.6    | 58.72      | -60.29 | 119.01     | 41.89    | 32.69    | 13.99  | 29.85  | 100    | 85      | P     | V     |
|                              | *    | 5745      | 109.95     | -      | -          | 93.02    | 32.74    | 14.05  | 29.86  | 100    | 85      | P     | V     |
|                              | *    | 5745      | 102.06     | -      | -          | 85.13    | 32.74    | 14.05  | 29.86  | 100    | 85      | A     | V     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>0+1          | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 157<br>5785MHz |      | 5632.4               | 54.39               | -13.81                  | 68.2                        | 37.95                     | 32.49                         | 13.75                  | 29.8                       | 259                  | 67                      | P                       | H               |
|                              |      | 5698.8               | 55.13               | -49.19                  | 104.32                      | 38.4                      | 32.64                         | 13.93                  | 29.84                      | 259                  | 67                      | P                       | H               |
|                              |      | 5703.4               | 55.46               | -50.69                  | 106.15                      | 38.71                     | 32.65                         | 13.94                  | 29.84                      | 259                  | 67                      | P                       | H               |
|                              |      | 5723.4               | 54.59               | -63.96                  | 118.55                      | 37.76                     | 32.69                         | 13.99                  | 29.85                      | 259                  | 67                      | P                       | H               |
|                              | *    | 5785                 | 112.54              | -                       | -                           | 95.43                     | 32.83                         | 14.16                  | 29.88                      | 259                  | 67                      | P                       | H               |
|                              | *    | 5785                 | 104.95              | -                       | -                           | 87.84                     | 32.83                         | 14.16                  | 29.88                      | 259                  | 67                      | A                       | H               |
|                              |      | 5852.2               | 55.21               | -61.97                  | 117.18                      | 38.12                     | 32.97                         | 14.03                  | 29.91                      | 259                  | 67                      | P                       | H               |
|                              |      | 5872.8               | 55                  | -50.82                  | 105.82                      | 37.94                     | 33.02                         | 13.96                  | 29.92                      | 259                  | 67                      | P                       | H               |
|                              |      | 5890.8               | 55.29               | -38.18                  | 93.47                       | 38.26                     | 33.06                         | 13.9                   | 29.93                      | 259                  | 67                      | P                       | H               |
|                              |      | 5944.6               | 55.35               | -12.85                  | 68.2                        | 38.4                      | 33.18                         | 13.72                  | 29.95                      | 259                  | 67                      | P                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5628.8               | 54.28               | -13.92                  | 68.2                        | 37.86                     | 32.48                         | 13.74                  | 29.8                       | 100                  | 106                     | P                       | V               |
|                              |      | 5658.4               | 55.7                | -18.74                  | 74.44                       | 39.15                     | 32.55                         | 13.82                  | 29.82                      | 100                  | 106                     | P                       | V               |
|                              |      | 5713                 | 54.48               | -54.36                  | 108.84                      | 37.68                     | 32.67                         | 13.97                  | 29.84                      | 100                  | 106                     | P                       | V               |
|                              |      | 5725                 | 54.15               | -68.05                  | 122.2                       | 37.31                     | 32.69                         | 14                     | 29.85                      | 100                  | 106                     | P                       | V               |
|                              | *    | 5785                 | 109.34              | -                       | -                           | 92.23                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 106                     | P                       | V               |
|                              | *    | 5785                 | 101.46              | -                       | -                           | 84.35                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 106                     | A                       | V               |
|                              |      | 5851.6               | 55.99               | -62.56                  | 118.55                      | 38.9                      | 32.97                         | 14.03                  | 29.91                      | 100                  | 106                     | P                       | V               |
|                              |      | 5864                 | 55                  | -53.28                  | 108.28                      | 37.92                     | 33                            | 13.99                  | 29.91                      | 100                  | 106                     | P                       | V               |
|                              |      | 5895.4               | 55.44               | -34.63                  | 90.07                       | 38.42                     | 33.07                         | 13.88                  | 29.93                      | 100                  | 106                     | P                       | V               |
|                              |      | 5932.2               | 55.1                | -13.1                   | 68.2                        | 38.14                     | 33.15                         | 13.76                  | 29.95                      | 100                  | 106                     | P                       | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>0+1          | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 111.31              | -                       | -                           | 94.17                     | 32.92                         | 14.12                  | 29.9                       | 268                  | 66                      | P                       | H               |
|                              | *                                                                                           | 5825                 | 103.74              | -                       | -                           | 86.6                      | 32.92                         | 14.12                  | 29.9                       | 268                  | 66                      | A                       | H               |
|                              |                                                                                             | 5851                 | 56.59               | -63.33                  | 119.92                      | 39.5                      | 32.97                         | 14.03                  | 29.91                      | 268                  | 66                      | P                       | H               |
|                              |                                                                                             | 5855.4               | 56.39               | -54.3                   | 110.69                      | 39.31                     | 32.98                         | 14.01                  | 29.91                      | 268                  | 66                      | P                       | H               |
|                              |                                                                                             | 5893.8               | 56.3                | -34.95                  | 91.25                       | 39.27                     | 33.07                         | 13.89                  | 29.93                      | 268                  | 66                      | P                       | H               |
|                              |                                                                                             | 5933                 | 54.5                | -13.7                   | 68.2                        | 37.55                     | 33.15                         | 13.75                  | 29.95                      | 268                  | 66                      | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              | *                                                                                           | 5825                 | 108.48              | -                       | -                           | 91.34                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 104                     | P                       | V               |
|                              | *                                                                                           | 5825                 | 101.02              | -                       | -                           | 83.88                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 104                     | A                       | V               |
|                              |                                                                                             | 5851.4               | 56.16               | -62.85                  | 119.01                      | 39.07                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 104                     | P                       | V               |
|                              |                                                                                             | 5865.6               | 56.87               | -50.96                  | 107.83                      | 39.81                     | 33                            | 13.98                  | 29.92                      | 100                  | 104                     | P                       | V               |
|                              |                                                                                             | 5879.6               | 56.84               | -44.94                  | 101.78                      | 39.79                     | 33.04                         | 13.93                  | 29.92                      | 100                  | 104                     | P                       | V               |
|                              |                                                                                             | 5928.6               | 55.21               | -12.99                  | 68.2                        | 38.25                     | 33.14                         | 13.77                  | 29.95                      | 100                  | 104                     | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI                         | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+1                          |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |                                                              | 11490     | 49.74      | -24.26 | 74         | 53.85    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | H       |
|                              |                                                              | 17235     | 50.47      | -17.73 | 68.2       | 43.16    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11490     | 48.26      | -25.74 | 74         | 52.37    | 39.71    | 18.37  | 62.19  | 100    | 0       | P       | V       |
|                              |                                                              | 17235     | 50.99      | -17.21 | 68.2       | 43.68    | 43.12    | 23.27  | 59.08  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 157<br>5785MHz |                                                              | 11570     | 49.75      | -24.25 | 74         | 53.97    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | H       |
|                              |                                                              | 17355     | 50.19      | -18.01 | 68.2       | 41.83    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11570     | 47.81      | -26.19 | 74         | 52.03    | 39.6     | 18.44  | 62.26  | 100    | 0       | P       | V       |
|                              |                                                              | 17355     | 49.23      | -18.97 | 68.2       | 40.87    | 43.75    | 23.43  | 58.82  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| 802.11a<br>CH 165<br>5825MHz |                                                              | 11650     | 49.82      | -24.18 | 74         | 54.15    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | H       |
|                              |                                                              | 17475     | 50.03      | -18.17 | 68.2       | 40.63    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 11650     | 48.58      | -25.42 | 74         | 52.91    | 39.49    | 18.5   | 62.32  | 100    | 0       | P       | V       |
|                              |                                                              | 17475     | 51.09      | -17.11 | 68.2       | 41.69    | 44.37    | 23.59  | 58.56  | 100    | 0       | P       | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                       | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                              | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Band 4 5725~5850MHz

## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0+1                                  |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11n<br>HT20<br>CH 149<br>5745MHz |      | 5628.6    | 55.36      | -12.84 | 68.2       | 38.94    | 32.48    | 13.74  | 29.8   | 259    | 67      | P     | H     |
|                                      |      | 5683.2    | 56.02      | -36.78 | 92.8       | 39.37    | 32.6     | 13.88  | 29.83  | 259    | 67      | P     | H     |
|                                      |      | 5718.8    | 57.45      | -53.01 | 110.46     | 40.64    | 32.68    | 13.98  | 29.85  | 259    | 67      | P     | H     |
|                                      |      | 5724.4    | 61.88      | -58.95 | 120.83     | 45.04    | 32.69    | 14     | 29.85  | 259    | 67      | P     | H     |
|                                      | *    | 5745      | 112.58     | -      | -          | 95.65    | 32.74    | 14.05  | 29.86  | 259    | 67      | P     | H     |
|                                      | *    | 5745      | 104.22     | -      | -          | 87.29    | 32.74    | 14.05  | 29.86  | 259    | 67      | A     | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                      |      | 5623.8    | 54.3       | -13.9  | 68.2       | 37.91    | 32.47    | 13.72  | 29.8   | 100    | 90      | P     | V     |
|                                      |      | 5679.6    | 55.59      | -34.55 | 90.14      | 38.95    | 32.6     | 13.87  | 29.83  | 100    | 90      | P     | V     |
|                                      |      | 5716.2    | 56.48      | -53.26 | 109.74     | 39.67    | 32.68    | 13.97  | 29.84  | 100    | 90      | P     | V     |
|                                      |      | 5725      | 59.14      | -63.06 | 122.2      | 42.3     | 32.69    | 14     | 29.85  | 100    | 90      | P     | V     |
|                                      | *    | 5745      | 109.72     | -      | -          | 92.79    | 32.74    | 14.05  | 29.86  | 100    | 90      | P     | V     |
|                                      | *    | 5745      | 101.24     | -      | -          | 84.31    | 32.74    | 14.05  | 29.86  | 100    | 90      | A     | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                      |      |           |            |        |            |          |          |        |        |        |         |       | V     |



| WIFI<br>Ant.<br>0+1                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 157<br>5785MHz |      | 5618.8               | 54.98               | -13.22                  | 68.2                        | 38.61                     | 32.46                         | 13.71                  | 29.8                       | 258                  | 66                      | P                       | H               |
|                                      |      | 5688.2               | 55.05               | -41.45                  | 96.5                        | 38.37                     | 32.61                         | 13.9                   | 29.83                      | 258                  | 66                      | P                       | H               |
|                                      |      | 5701.8               | 55.33               | -50.37                  | 105.7                       | 38.6                      | 32.64                         | 13.93                  | 29.84                      | 258                  | 66                      | P                       | H               |
|                                      |      | 5725                 | 55.88               | -66.32                  | 122.2                       | 39.04                     | 32.69                         | 14                     | 29.85                      | 258                  | 66                      | P                       | H               |
|                                      | *    | 5785                 | 112.9               | -                       | -                           | 95.79                     | 32.83                         | 14.16                  | 29.88                      | 258                  | 66                      | P                       | H               |
|                                      | *    | 5785                 | 104.45              | -                       | -                           | 87.34                     | 32.83                         | 14.16                  | 29.88                      | 258                  | 66                      | A                       | H               |
|                                      |      | 5854.2               | 55.16               | -57.46                  | 112.62                      | 38.07                     | 32.98                         | 14.02                  | 29.91                      | 258                  | 66                      | P                       | H               |
|                                      |      | 5855.8               | 55.18               | -55.4                   | 110.58                      | 38.1                      | 32.98                         | 14.01                  | 29.91                      | 258                  | 66                      | P                       | H               |
|                                      |      | 5883.4               | 55.13               | -43.83                  | 98.96                       | 38.09                     | 33.04                         | 13.92                  | 29.92                      | 258                  | 66                      | P                       | H               |
|                                      |      | 5930.8               | 54.91               | -13.29                  | 68.2                        | 37.95                     | 33.15                         | 13.76                  | 29.95                      | 258                  | 66                      | P                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5608.2               | 55.65               | -12.55                  | 68.2                        | 39.32                     | 32.44                         | 13.68                  | 29.79                      | 100                  | 91                      | P                       | V               |
|                                      |      | 5655.6               | 55.08               | -17.28                  | 72.36                       | 38.54                     | 32.54                         | 13.81                  | 29.81                      | 100                  | 91                      | P                       | V               |
|                                      |      | 5713.4               | 54.73               | -54.22                  | 108.95                      | 37.93                     | 32.67                         | 13.97                  | 29.84                      | 100                  | 91                      | P                       | V               |
|                                      |      | 5721.6               | 54.42               | -60.03                  | 114.45                      | 37.59                     | 32.69                         | 13.99                  | 29.85                      | 100                  | 91                      | P                       | V               |
|                                      | *    | 5785                 | 109.32              | -                       | -                           | 92.21                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 91                      | P                       | V               |
|                                      | *    | 5785                 | 101.58              | -                       | -                           | 84.47                     | 32.83                         | 14.16                  | 29.88                      | 100                  | 91                      | A                       | V               |
|                                      |      | 5851.2               | 54.66               | -64.8                   | 119.46                      | 37.57                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 91                      | P                       | V               |
|                                      |      | 5870.8               | 55.33               | -51.04                  | 106.37                      | 38.27                     | 33.02                         | 13.96                  | 29.92                      | 100                  | 91                      | P                       | V               |
|                                      |      | 5879.8               | 55.27               | -46.36                  | 101.63                      | 38.22                     | 33.04                         | 13.93                  | 29.92                      | 100                  | 91                      | P                       | V               |
|                                      |      | 5942.2               | 55.47               | -12.73                  | 68.2                        | 38.53                     | 33.17                         | 13.72                  | 29.95                      | 100                  | 91                      | P                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>0+1                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 111.69              | -                       | -                           | 94.55                     | 32.92                         | 14.12                  | 29.9                       | 255                  | 66                      | P                       | H               |
|                                      | *                                                                                           | 5825                 | 104.06              | -                       | -                           | 86.92                     | 32.92                         | 14.12                  | 29.9                       | 255                  | 66                      | A                       | H               |
|                                      |                                                                                             | 5850.4               | 59.33               | -61.96                  | 121.29                      | 42.24                     | 32.97                         | 14.03                  | 29.91                      | 255                  | 66                      | P                       | H               |
|                                      |                                                                                             | 5855.6               | 57.85               | -52.78                  | 110.63                      | 40.77                     | 32.98                         | 14.01                  | 29.91                      | 255                  | 66                      | P                       | H               |
|                                      |                                                                                             | 5880.6               | 56.25               | -44.79                  | 101.04                      | 39.2                      | 33.04                         | 13.93                  | 29.92                      | 255                  | 66                      | P                       | H               |
|                                      |                                                                                             | 5937.6               | 55.39               | -12.81                  | 68.2                        | 38.44                     | 33.16                         | 13.74                  | 29.95                      | 255                  | 66                      | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      | *                                                                                           | 5825                 | 109.52              | -                       | -                           | 92.38                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 85                      | P                       | V               |
|                                      | *                                                                                           | 5825                 | 101.48              | -                       | -                           | 84.34                     | 32.92                         | 14.12                  | 29.9                       | 100                  | 85                      | A                       | V               |
|                                      |                                                                                             | 5850.4               | 57.82               | -63.47                  | 121.29                      | 40.73                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 85                      | P                       | V               |
|                                      |                                                                                             | 5860.8               | 57.68               | -51.49                  | 109.17                      | 40.6                      | 32.99                         | 14                     | 29.91                      | 100                  | 85                      | P                       | V               |
|                                      |                                                                                             | 5879.8               | 55.76               | -45.87                  | 101.63                      | 38.71                     | 33.04                         | 13.93                  | 29.92                      | 100                  | 85                      | P                       | V               |
|                                      |                                                                                             | 5931.8               | 56.85               | -11.35                  | 68.2                        | 39.89                     | 33.15                         | 13.76                  | 29.95                      | 100                  | 85                      | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI                                 | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|--------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                 |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+1                                  |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11n<br>HT40<br>CH 151<br>5755MHz |      | 5649.2    | 54.95      | -13.25 | 68.2       | 38.44    | 32.53    | 13.79  | 29.81  | 261    | 65      | P       | H       |
|                                      |      | 5699      | 62.65      | -41.81 | 104.46     | 45.92    | 32.64    | 13.93  | 29.84  | 261    | 65      | P       | H       |
|                                      |      | 5719.8    | 66.1       | -44.64 | 110.74     | 49.29    | 32.68    | 13.98  | 29.85  | 261    | 65      | P       | H       |
|                                      |      | 5723.8    | 67.2       | -52.26 | 119.46     | 50.37    | 32.69    | 13.99  | 29.85  | 261    | 65      | P       | H       |
|                                      | *    | 5755      | 109.52     | -      | -          | 92.54    | 32.76    | 14.08  | 29.86  | 261    | 65      | P       | H       |
|                                      | *    | 5755      | 101.78     | -      | -          | 84.8     | 32.76    | 14.08  | 29.86  | 261    | 65      | A       | H       |
|                                      |      | 5850.8    | 54.53      | -65.85 | 120.38     | 37.44    | 32.97    | 14.03  | 29.91  | 261    | 65      | P       | H       |
|                                      |      | 5866.2    | 55.1       | -52.56 | 107.66     | 38.03    | 33.01    | 13.98  | 29.92  | 261    | 65      | P       | H       |
|                                      |      | 5887.2    | 55.24      | -40.9  | 96.14      | 38.21    | 33.05    | 13.91  | 29.93  | 261    | 65      | P       | H       |
|                                      |      | 5941.2    | 56.09      | -12.11 | 68.2       | 39.14    | 33.17    | 13.73  | 29.95  | 261    | 65      | P       | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                      |      | 5634.4    | 55.59      | -12.61 | 68.2       | 39.14    | 32.5     | 13.75  | 29.8   | 100    | 90      | P       | V       |
|                                      |      | 5698.8    | 60.4       | -43.92 | 104.32     | 43.67    | 32.64    | 13.93  | 29.84  | 100    | 90      | P       | V       |
|                                      |      | 5717      | 64.49      | -45.47 | 109.96     | 47.67    | 32.68    | 13.98  | 29.84  | 100    | 90      | P       | V       |
|                                      |      | 5725      | 64.48      | -57.72 | 122.2      | 47.64    | 32.69    | 14     | 29.85  | 100    | 90      | P       | V       |
|                                      | *    | 5755      | 106.67     | -      | -          | 89.69    | 32.76    | 14.08  | 29.86  | 100    | 90      | P       | V       |
|                                      | *    | 5755      | 98.74      | -      | -          | 81.76    | 32.76    | 14.08  | 29.86  | 100    | 90      | A       | V       |
|                                      |      | 5852.2    | 54.22      | -62.96 | 117.18     | 37.13    | 32.97    | 14.03  | 29.91  | 100    | 90      | P       | V       |
|                                      |      | 5869.2    | 54.53      | -52.29 | 106.82     | 37.47    | 33.01    | 13.97  | 29.92  | 100    | 90      | P       | V       |
|                                      |      | 5910.6    | 55.18      | -23.64 | 78.82      | 38.19    | 33.1     | 13.83  | 29.94  | 100    | 90      | P       | V       |
|                                      |      | 5942.8    | 55.68      | -12.52 | 68.2       | 38.74    | 33.17    | 13.72  | 29.95  | 100    | 90      | P       | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                      |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| WIFI<br>Ant.<br>0+1                  | Note                                                         | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                              | 5619                 | 54.49               | -13.71                  | 68.2                        | 38.12                     | 32.46                         | 13.71                  | 29.8                       | 259                  | 65                      | P                       | H               |
|                                      |                                                              | 5661.6               | 55.01               | -21.8                   | 76.81                       | 38.44                     | 32.56                         | 13.83                  | 29.82                      | 259                  | 65                      | P                       | H               |
|                                      |                                                              | 5719.6               | 56.94               | -53.75                  | 110.69                      | 40.13                     | 32.68                         | 13.98                  | 29.85                      | 259                  | 65                      | P                       | H               |
|                                      |                                                              | 5722.4               | 58.25               | -58.02                  | 116.27                      | 41.42                     | 32.69                         | 13.99                  | 29.85                      | 259                  | 65                      | P                       | H               |
|                                      | *                                                            | 5795                 | 109.73              | -                       | -                           | 92.57                     | 32.85                         | 14.19                  | 29.88                      | 259                  | 65                      | P                       | H               |
|                                      | *                                                            | 5795                 | 101.91              | -                       | -                           | 84.75                     | 32.85                         | 14.19                  | 29.88                      | 259                  | 65                      | A                       | H               |
|                                      |                                                              | 5853.6               | 60.23               | -53.76                  | 113.99                      | 43.14                     | 32.98                         | 14.02                  | 29.91                      | 259                  | 65                      | P                       | H               |
|                                      |                                                              | 5855.8               | 61.16               | -49.42                  | 110.58                      | 44.08                     | 32.98                         | 14.01                  | 29.91                      | 259                  | 65                      | P                       | H               |
|                                      |                                                              | 5903.2               | 56.39               | -27.9                   | 84.29                       | 39.38                     | 33.09                         | 13.85                  | 29.93                      | 259                  | 65                      | P                       | H               |
|                                      |                                                              | 5935.8               | 54.58               | -13.62                  | 68.2                        | 37.62                     | 33.16                         | 13.75                  | 29.95                      | 259                  | 65                      | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 5609.8               | 54.09               | -14.11                  | 68.2                        | 37.75                     | 32.44                         | 13.69                  | 29.79                      | 100                  | 84                      | P                       | V               |
|                                      |                                                              | 5686                 | 54.97               | -39.9                   | 94.87                       | 38.3                      | 32.61                         | 13.89                  | 29.83                      | 100                  | 84                      | P                       | V               |
|                                      |                                                              | 5719.2               | 55.95               | -54.63                  | 110.58                      | 39.14                     | 32.68                         | 13.98                  | 29.85                      | 100                  | 84                      | P                       | V               |
|                                      |                                                              | 5725                 | 56.94               | -65.26                  | 122.2                       | 40.1                      | 32.69                         | 14                     | 29.85                      | 100                  | 84                      | P                       | V               |
|                                      | *                                                            | 5795                 | 106.86              | -                       | -                           | 89.7                      | 32.85                         | 14.19                  | 29.88                      | 100                  | 84                      | P                       | V               |
|                                      | *                                                            | 5795                 | 99.05               | -                       | -                           | 81.89                     | 32.85                         | 14.19                  | 29.88                      | 100                  | 84                      | A                       | V               |
|                                      |                                                              | 5850.2               | 58.88               | -62.86                  | 121.74                      | 41.79                     | 32.97                         | 14.03                  | 29.91                      | 100                  | 84                      | P                       | V               |
|                                      |                                                              | 5855.8               | 57.96               | -52.62                  | 110.58                      | 40.88                     | 32.98                         | 14.01                  | 29.91                      | 100                  | 84                      | P                       | V               |
|                                      |                                                              | 5877                 | 56.95               | -46.76                  | 103.71                      | 39.9                      | 33.03                         | 13.94                  | 29.92                      | 100                  | 84                      | P                       | V               |
|                                      |                                                              | 5936.6               | 54.39               | -13.81                  | 68.2                        | 37.44                     | 33.16                         | 13.74                  | 29.95                      | 100                  | 84                      | P                       | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                               | 1. No other spurious found.                                  |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                      | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI                                   | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 0+1                                    |                                                              | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                              | 5646      | 58.91      | -9.29  | 68.2       | 42.42    | 32.52    | 13.78  | 29.81  | 259    | 66      | P       | H       |
|                                        |                                                              | 5696.8    | 65.76      | -37.08 | 102.84     | 49.04    | 32.63    | 13.92  | 29.83  | 259    | 66      | P       | H       |
|                                        |                                                              | 5713.2    | 69.54      | -39.36 | 108.9      | 52.74    | 32.67    | 13.97  | 29.84  | 259    | 66      | P       | H       |
|                                        |                                                              | 5724      | 69.36      | -50.56 | 119.92     | 52.53    | 32.69    | 13.99  | 29.85  | 259    | 66      | P       | H       |
|                                        | *                                                            | 5775      | 106.63     | -      | -          | 89.56    | 32.81    | 14.13  | 29.87  | 259    | 66      | P       | H       |
|                                        | *                                                            | 5775      | 98.53      | -      | -          | 81.46    | 32.81    | 14.13  | 29.87  | 259    | 66      | A       | H       |
|                                        |                                                              | 5852.8    | 66.62      | -49.2  | 115.82     | 49.53    | 32.98    | 14.02  | 29.91  | 259    | 66      | P       | H       |
|                                        |                                                              | 5861.4    | 65.87      | -43.14 | 109.01     | 48.79    | 33       | 13.99  | 29.91  | 259    | 66      | P       | H       |
|                                        |                                                              | 5876      | 61.98      | -42.48 | 104.46     | 44.92    | 33.03    | 13.95  | 29.92  | 259    | 66      | P       | H       |
|                                        |                                                              | 5945.8    | 56.24      | -11.96 | 68.2       | 39.3     | 33.18    | 13.71  | 29.95  | 259    | 66      | P       | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              | 5644.6    | 56         | -12.2  | 68.2       | 39.51    | 32.52    | 13.78  | 29.81  | 109    | 85      | P       | V       |
|                                        |                                                              | 5697.2    | 64.28      | -38.86 | 103.14     | 47.56    | 32.63    | 13.92  | 29.83  | 109    | 85      | P       | V       |
|                                        |                                                              | 5717.2    | 64.6       | -45.42 | 110.02     | 47.78    | 32.68    | 13.98  | 29.84  | 109    | 85      | P       | V       |
|                                        |                                                              | 5720.4    | 64.93      | -46.78 | 111.71     | 48.11    | 32.68    | 13.99  | 29.85  | 109    | 85      | P       | V       |
|                                        | *                                                            | 5775      | 103.79     | -      | -          | 86.72    | 32.81    | 14.13  | 29.87  | 109    | 85      | P       | V       |
|                                        | *                                                            | 5775      | 95.61      | -      | -          | 78.54    | 32.81    | 14.13  | 29.87  | 109    | 85      | A       | V       |
|                                        |                                                              | 5852.8    | 64.67      | -51.15 | 115.82     | 47.58    | 32.98    | 14.02  | 29.91  | 109    | 85      | P       | V       |
|                                        |                                                              | 5859.4    | 63.98      | -45.59 | 109.57     | 46.9     | 32.99    | 14     | 29.91  | 109    | 85      | P       | V       |
|                                        |                                                              | 5877.2    | 59.22      | -44.35 | 103.57     | 42.17    | 33.03    | 13.94  | 29.92  | 109    | 85      | P       | V       |
|                                        |                                                              | 5935.2    | 55.52      | -12.68 | 68.2       | 38.56    | 33.16    | 13.75  | 29.95  | 109    | 85      | P       | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                        | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |

## Emission below 1GHz

## 5GHz WIFI 802.11ac VHT80 (LF @ 3m)

| WIFI                                    | Note                                                                       | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-----------------------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                    |                                                                            |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 0+1                                     |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 5GHz<br>802.11ac<br><br>VHT80<br><br>LF |                                                                            | 97.9      | 36.47      | -7.03  | 43.5       | 52.21    | 15.58    | 1.05   | 32.37  | 100    | 0       | P     | H     |
|                                         |                                                                            | 159.98    | 28.7       | -14.8  | 43.5       | 42.91    | 16.6     | 1.55   | 32.36  | -      | -       | P     | H     |
|                                         |                                                                            | 276.38    | 23.82      | -22.18 | 46         | 34.85    | 18.98    | 2.4    | 32.41  | -      | -       | P     | H     |
|                                         |                                                                            | 528.58    | 25.89      | -20.11 | 46         | 30.94    | 24.1     | 3.46   | 32.61  | -      | -       | P     | H     |
|                                         |                                                                            | 676.99    | 28.35      | -17.65 | 46         | 30.37    | 26.46    | 4.08   | 32.56  | -      | -       | P     | H     |
|                                         |                                                                            | 893.3     | 32.71      | -13.29 | 46         | 30.88    | 29.01    | 4.65   | 31.83  | -      | -       | P     | H     |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         |       | H     |
|                                         |                                                                            | 96.93     | 33.28      | -10.22 | 43.5       | 49.16    | 15.45    | 1.04   | 32.37  | 100    | 0       | P     | V     |
|                                         |                                                                            | 173.56    | 25.82      | -17.68 | 43.5       | 41.22    | 15.36    | 1.6    | 32.36  | -      | -       | P     | V     |
|                                         |                                                                            | 562.53    | 27.47      | -18.53 | 46         | 30.26    | 26.19    | 3.66   | 32.64  | -      | -       | P     | V     |
|                                         |                                                                            | 727.43    | 29.31      | -16.69 | 46         | 30       | 27.46    | 4.33   | 32.48  | -      | -       | P     | V     |
|                                         |                                                                            | 848.68    | 32.62      | -13.38 | 46         | 31.02    | 29.03    | 4.65   | 32.08  | -      | -       | P     | V     |
|                                         |                                                                            | 990.3     | 34.07      | -19.93 | 54         | 28.99    | 30.68    | 5.4    | 31     | -      | -       | P     | V     |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         |       | V     |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
|                                         |                                                                            |           |            |        |            |          |          |        |        |        |         | V     |       |
| Remark                                  | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



**Note symbol**

|     |                                                                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| *   | <b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| !   | Test result is <b>over limit</b> line.                                                                                                                   |
| P/A | <b>P</b> eak or <b>A</b> verage                                                                                                                          |
| H/V | <b>H</b> orizontal or <b>V</b> ertical                                                                                                                   |



A calculation example for radiated spurious emission is shown as below:

| WIFI    | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2     |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 2412MHz |      | 2390      | 43.54      | -10.46 | 54         | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

1. Path Loss(dB) = Cable loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)
3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

**For Peak Limit @ 2390MHz:**

1. Level(dBμV/m)  
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
 = 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
 = 55.45 (dBμV/m)
2. Over Limit(dB)  
 = Level(dBμV/m) – Limit Line(dBμV/m)  
 = 55.45(dBμV/m) – 74(dBμV/m)  
 = -18.55(dB)

**For Average Limit @ 2390MHz:**

1. Level(dBμV/m)  
 = Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
 = 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
 = 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)  
 = 43.54(dBμV/m) – 54(dBμV/m)  
 = -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.



## Appendix D. Radiated Spurious Emission Plots

|                 |                                    |                     |         |
|-----------------|------------------------------------|---------------------|---------|
| Test Engineer : | Jacky Hung, Austin Li, and CR Liao | Temperature :       | 20~25°C |
|                 |                                    | Relative Humidity : | 50~60%  |

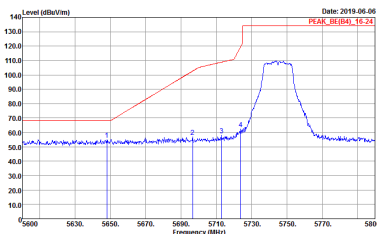
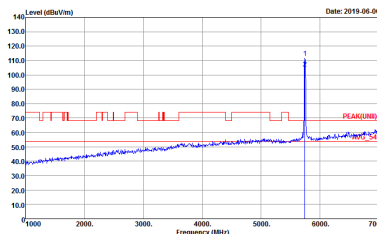
Note symbol

|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |

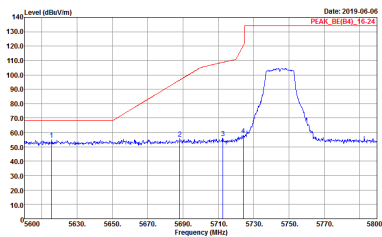
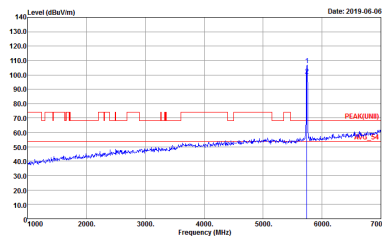
<Calling Mode>

Band 4 - 5725~5850MHz

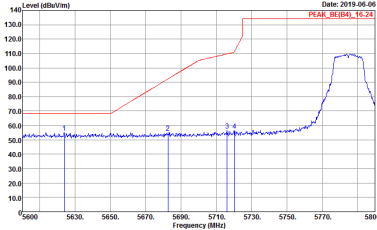
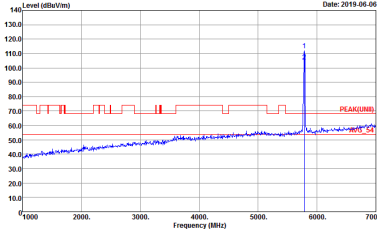
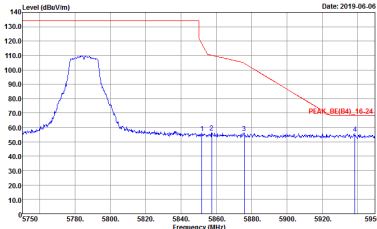
WIFI 802.11a (Band Edge @ 3m)

|      |                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                         |
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                         |
| 0    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14</p> |

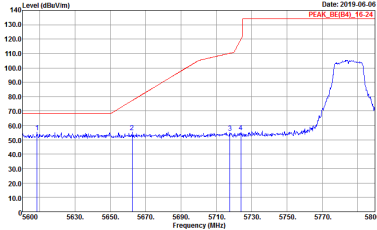
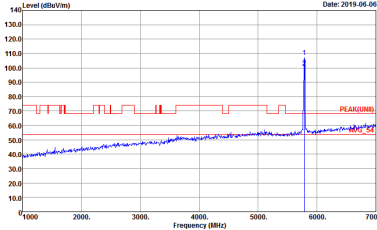
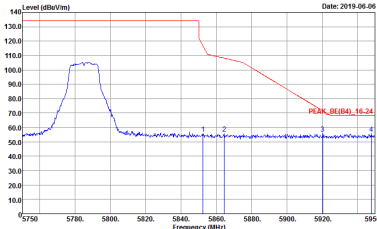


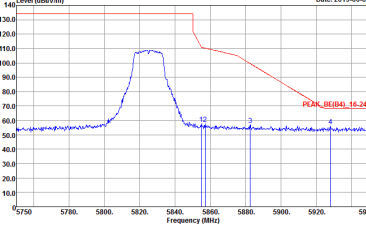
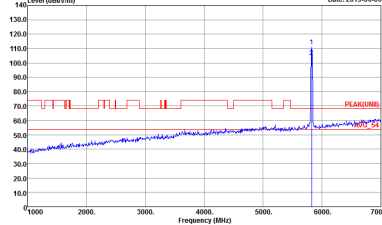
|      |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                |
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                |
| 0    | Vertical                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14</p></div> |



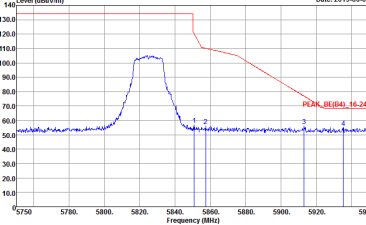
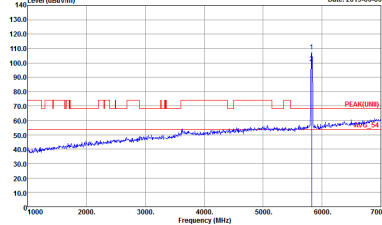
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| 0    | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> |
|      | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> | Left blank                                                                                                                                                                                                                           |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                      |                                                                                                                                                                                                                                    |
| 0    | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> |
|      | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> | Left blank                                                                                                                                                                                                                         |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                |
| 0    | Horizontal                                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                                    |
| Peak |  <p>Site : 03CH165-11Y<br/> Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 931316<br/> Setting : 14.5</p> |  <p>Site : 03CH165-11Y<br/> Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 931316<br/> Setting : 14.5</p> |

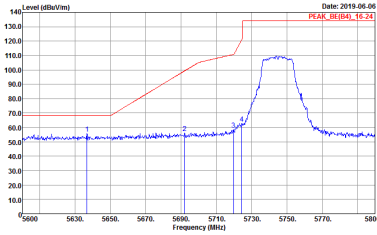
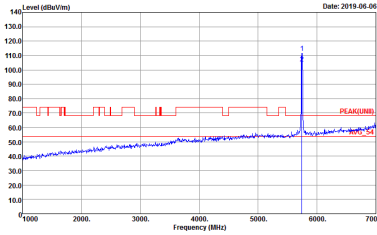


|      |                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                   |
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                   |
| 0    | Vertical                                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH165-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> | <div><p>Site : 03CH165-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> |

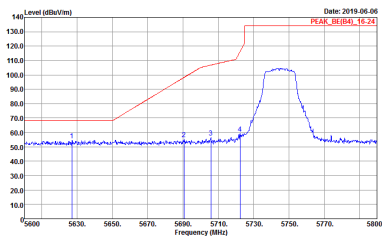
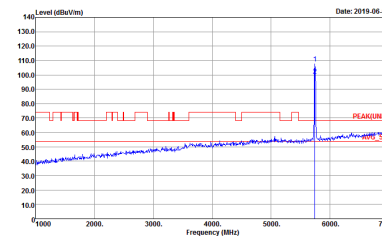


## Band 4 5725~5850MHz

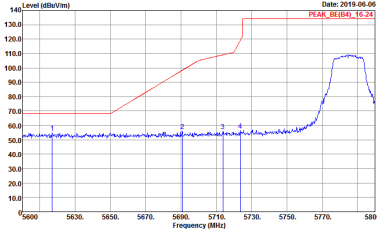
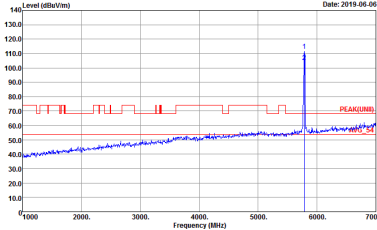
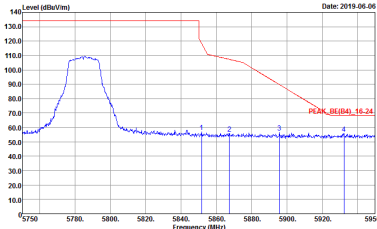
## WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                         |
| 0    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_RE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |

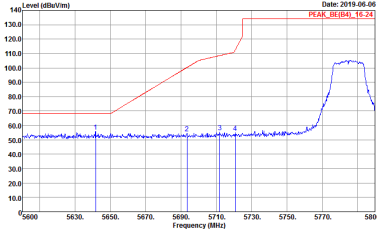
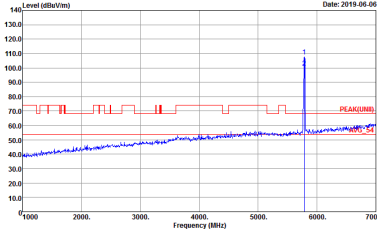
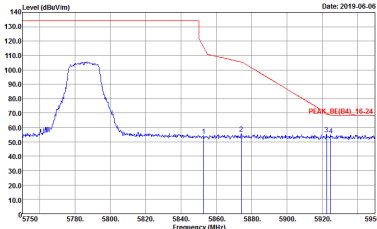


|      |                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                  |
| ANT  | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                  |
| 0    | Vertical                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> |

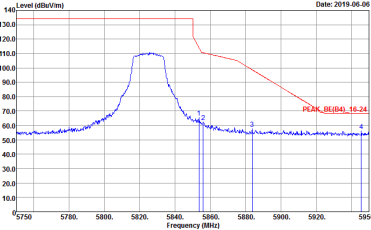
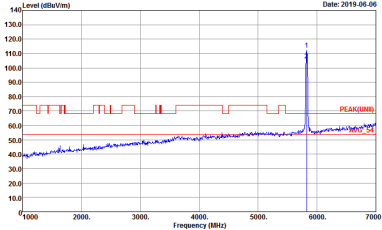


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                           |                                                                                                                                                                                                                                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                                                   |                                                                                                                                                                                                                                      |
| 0    | Horizontal                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> |
|      | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> | Left blank                                                                                                                                                                                                                           |

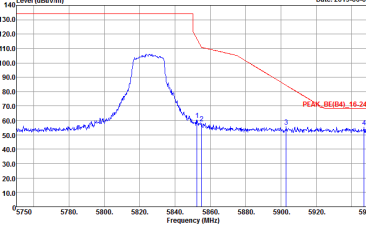
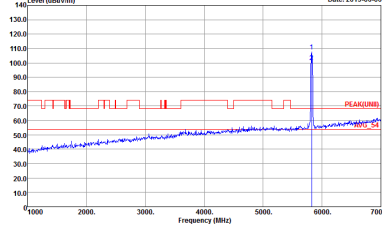


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                                                 |                                                                                                                                                                                                                                    |
| 0    | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> |
|      | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> | Left blank                                                                                                                                                                                                                         |

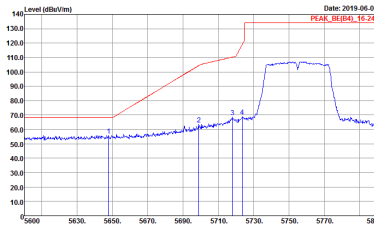
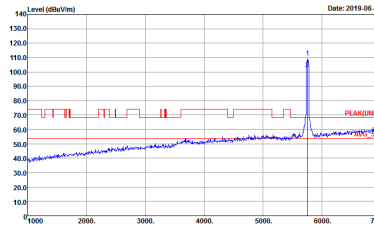
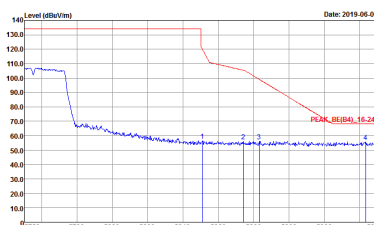


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                            |
| 0    | Horizontal                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                                |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Setting : 931316<br/>Setting : 16</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Setting : 931316<br/>Setting : 16</p></div> |

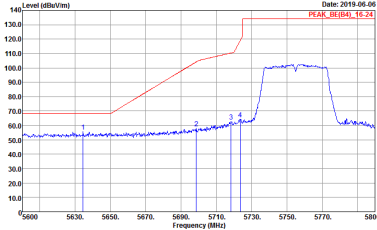
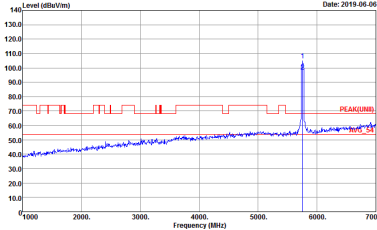
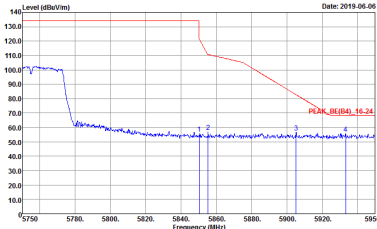


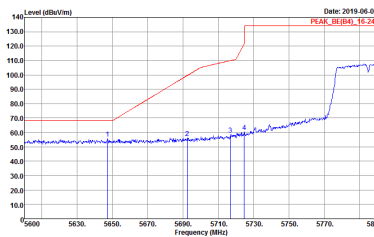
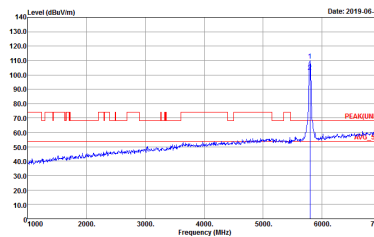
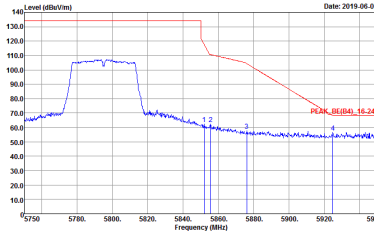
|      |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                          |
| ANT  | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                          |
| 0    | Vertical                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                              |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Setting : 931316<br/>Setting : 16</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>Setting : 931316<br/>Setting : 16</p></div> |

**Band 4 5725~5850MHz**
**WIFI 802.11n HT40 (Band Edge @ 3m)**

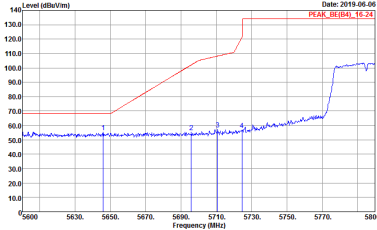
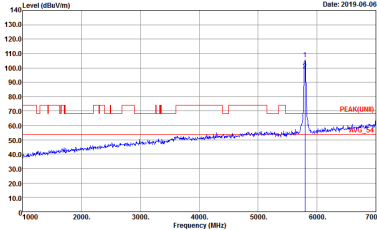
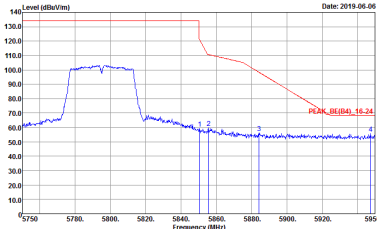
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                      |
| 0    | Horizontal                                                                                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                                                                                          |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 14         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 14         </p> |
|      |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 14         </p> | Left blank                                                                                                                                                                                                                                                                                                                                           |



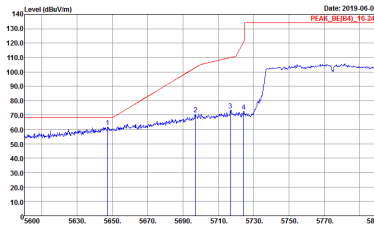
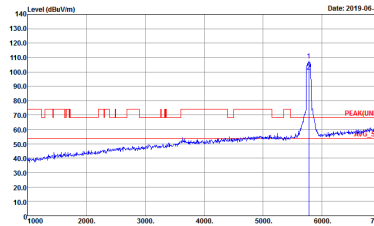
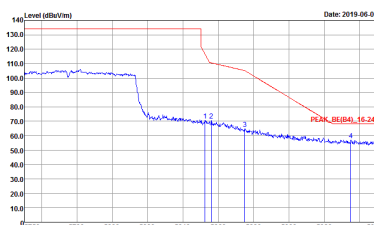
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                                     |                                                                                                                                                                                                                        |
| 0    | Vertical                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14</p> | Left blank                                                                                                                                                                                                             |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                                         |                                                                                                                                                                                                                            |
| 0    | Horizontal                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> | Left blank                                                                                                                                                                                                                 |

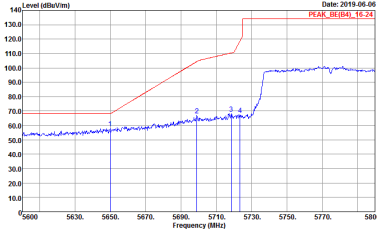
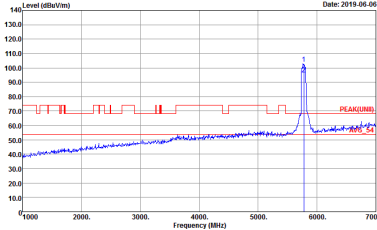
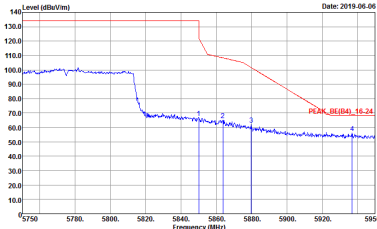


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                                       |                                                                                                                                                                                                                          |
| 0    | Vertical                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> | Left blank                                                                                                                                                                                                               |

**Band 4 5725~5850MHz**
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                 |
| 0    | Horizontal                                                                                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                                                                                     |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 15         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(LNB) 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 15         </p> |
|      |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 15         </p> | Left blank                                                                                                                                                                                                                                                                                                                                      |

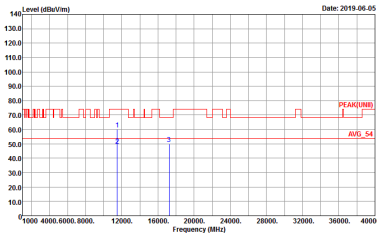
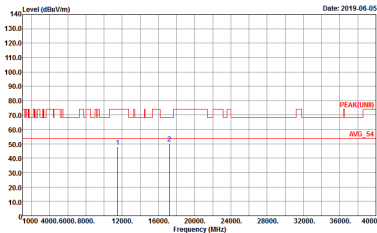


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                   |                                                                                                                                                                                                                        |
| 0    | Vertical                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 15</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 15</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 15</p> | Left blank                                                                                                                                                                                                             |

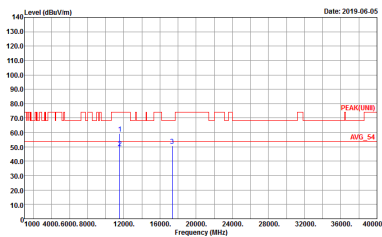
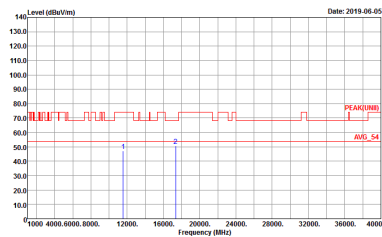


Band 4 - 5725~5850MHz

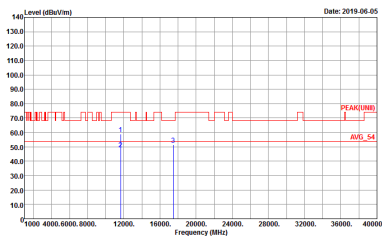
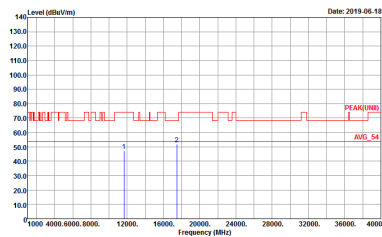
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                        |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH149 5745MHz                                                                                                                                                                                                   |                                                                                                                                                                                                                        |
| 0            | Horizontal                                                                                                                                                                                                              | Vertical                                                                                                                                                                                                               |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14</p> |

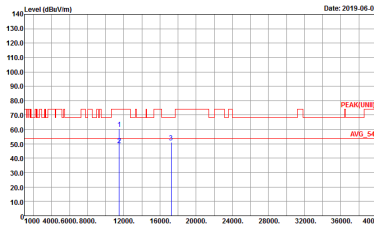
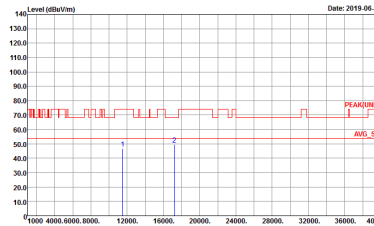


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                           |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH157 5785MHz                                                                                                                                                                                                      |                                                                                                                                                                                                                           |
| 0            | Horizontal                                                                                                                                                                                                                 | Vertical                                                                                                                                                                                                                  |
| Peak<br>Avg. |  <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |  <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |
|              |                                                                                                                                                                                                                            |                                                                                                                                                                                                                           |



| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                           |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH165 5825MHz                                                                                                                                                                                                      |                                                                                                                                                                                                                           |
| 0            | Horizontal                                                                                                                                                                                                                 | Vertical                                                                                                                                                                                                                  |
| Peak<br>Avg. |  <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |  <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |
|              |                                                                                                                                                                                                                            |                                                                                                                                                                                                                           |

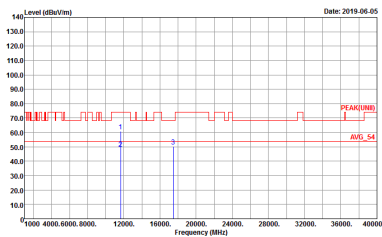
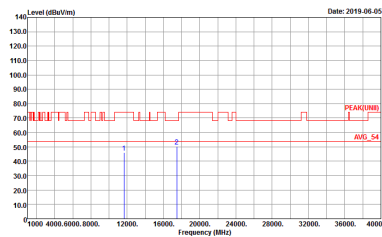
**Band 4 5725~5850MHz**
**WIFI 802.11n HT20 (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                          |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                          |
| 0                              | Horizontal                                                                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 14.5         </p> |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 14.5         </p> |

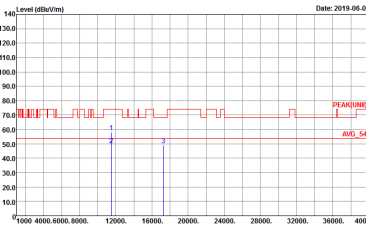
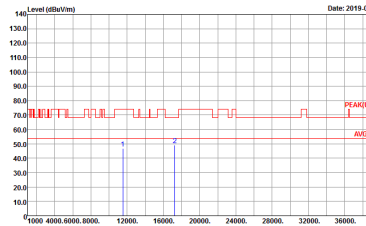


|              |                                                                                                                                                                                                 |                                                                                                                                                                                               |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                               |                                                                                                                                                                                               |
| ANT          | 802.11n HT20 CH157 5785MHz                                                                                                                                                                      |                                                                                                                                                                                               |
| 0            | Horizontal                                                                                                                                                                                      | Vertical                                                                                                                                                                                      |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2019-06-05</p><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2019-06-05</p><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p></div> |

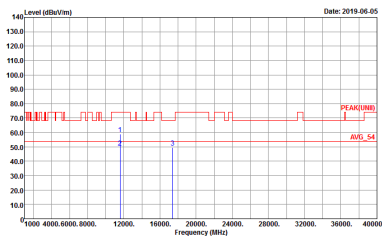
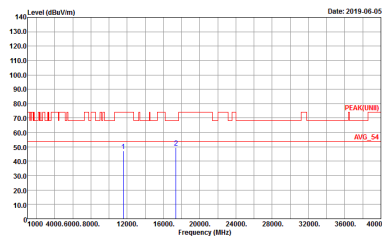


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                               |                                                                                                                                                                                                                         |
| 0            | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| Peak<br>Avg. |  <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 16</p> |  <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 16</p> |
|              |                                                                                                                                                                                                                          |                                                                                                                                                                                                                         |

**Band 4 5725~5850MHz**
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                        |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                        |
| 0                              | Horizontal                                                                                                                                                                                                                                                                              | Vertical                                                                                                                                                                                                                                                                               |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 14         </p> |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 14         </p> |

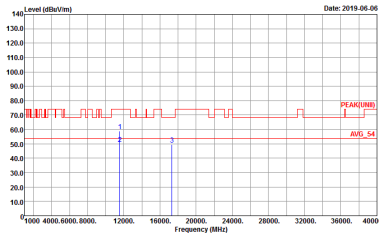
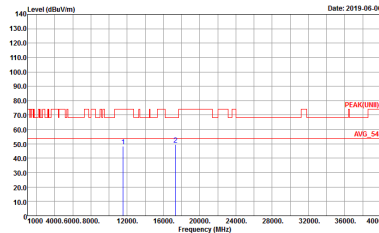


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                          |                                                                                                                                                                                                                           |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                                 |                                                                                                                                                                                                                           |
| 0            | Horizontal                                                                                                                                                                                                                 | Vertical                                                                                                                                                                                                                  |
| Peak<br>Avg. |  <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |  <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |
|              |                                                                                                                                                                                                                            |                                                                                                                                                                                                                           |

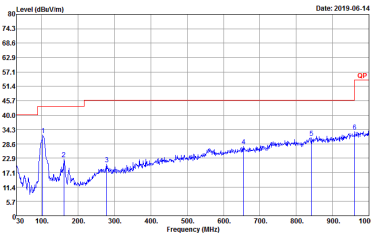
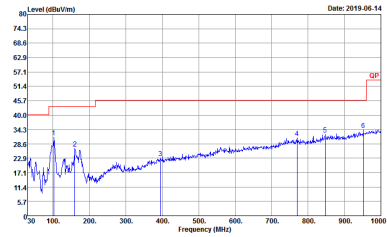


Band 4 5725~5850MHz

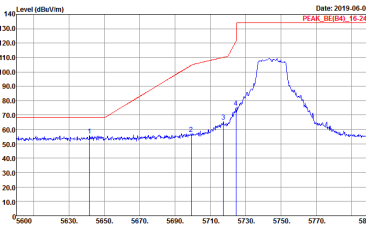
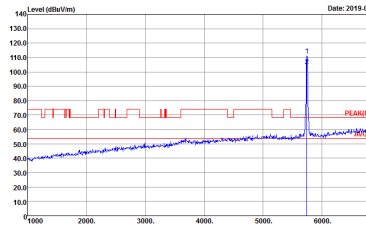
WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                        |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                            |                                                                                                                                                                                                                        |
| 0            | Horizontal                                                                                                                                                                                                              | Vertical                                                                                                                                                                                                               |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 15</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 15</p> |

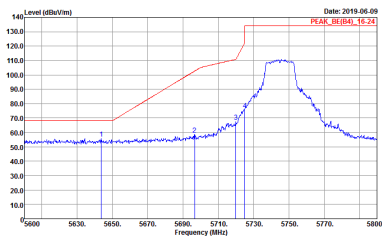
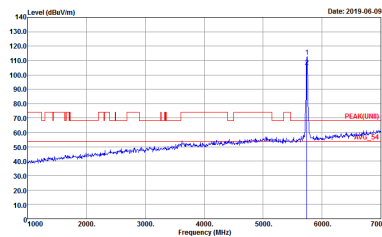
**Emission below 1GHz**  
**5GHz WIFI 802.11ac VHT80 (LF)**

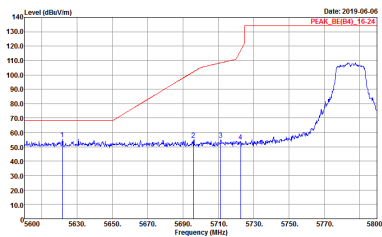
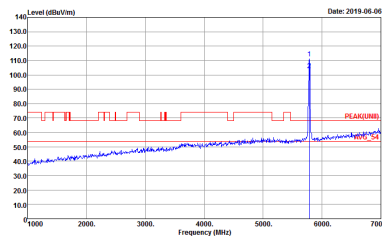
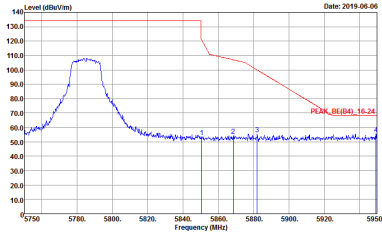
| WIFI                 | 5GHz 5725~5850MHz                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                    |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11ac VHT80 LF                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                    |
| 0                    | Horizontal                                                                                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                                                                                           |
| <b>QP /<br/>Peak</b> |  <p>           Site : 03CH16-HY<br/>           Condition : QP 3m BIL06_47020606 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 15         </p> |  <p>           Site : 03CH16-HY<br/>           Condition : QP 3m BIL06_47020606 VERTICAL<br/>           Detector : Peak<br/>           Project : 931316<br/>           Setting : 15         </p> |
|                      |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                    |

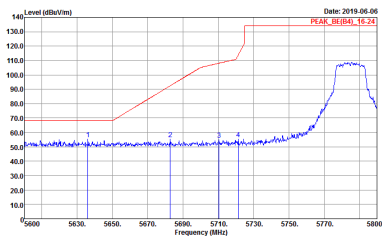
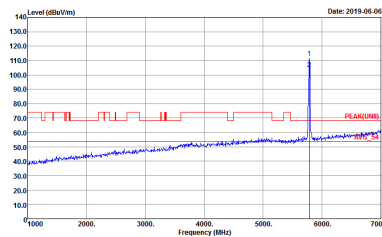
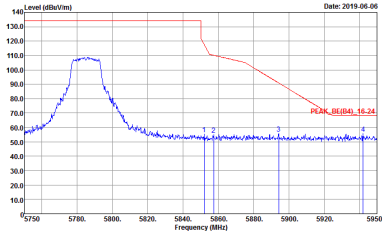
**Band 4 - 5725~5850MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                          |
| 3    | Horizontal                                                                                                                                                                                                                                                     | Fundamental                                                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH16-HY<br/> Condition : PEAK_RE(84)_16-24 3m 91200_1522 HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 931316</p> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/> RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/> Detector : Peak<br/> Project : 931316</p> |
|      |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                          |

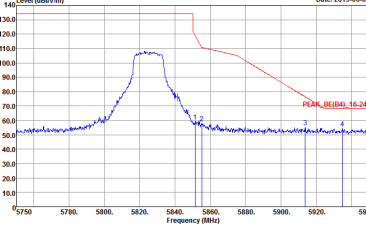
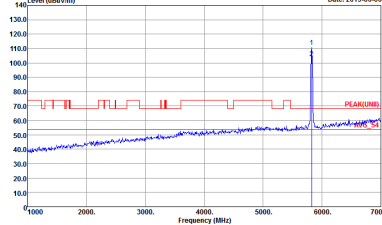


|      |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                               |
| 3    | Vertical                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

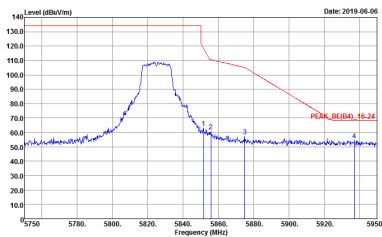
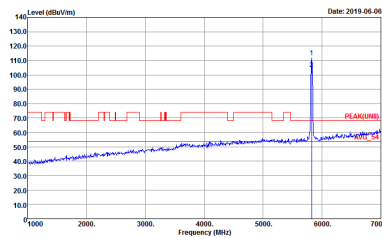
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                              |                                                                                                                                                                                                         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                           |                                                                                                                                                                                                         |
| 3    | Horizontal                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                              |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                         |                                                                                                                                                                                                       |
| 3    | Vertical                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                            |



|      |                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                  |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                  |
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                  |
| 3    | Horizontal                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH165-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH165-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

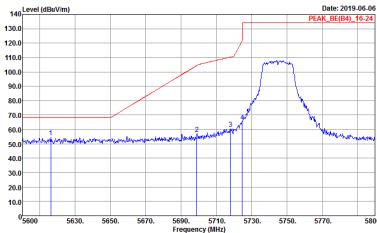
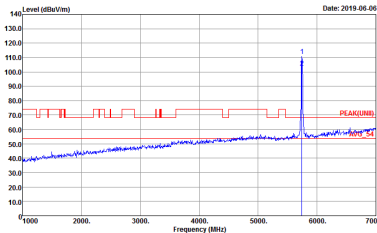


|      |                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                |
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                |
| 3    | Vertical                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH165-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH165-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

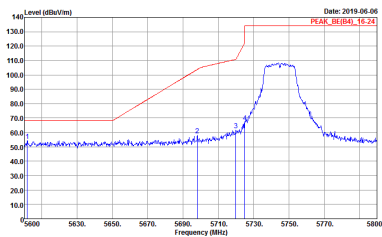
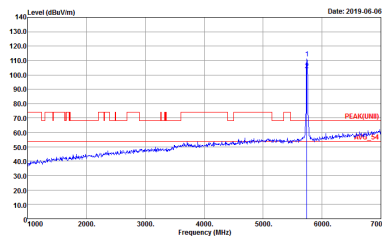


## Band 4 5725~5850MHz

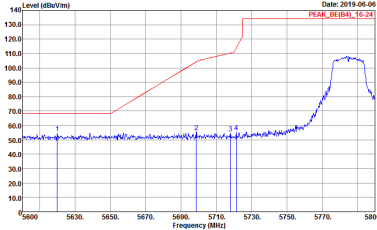
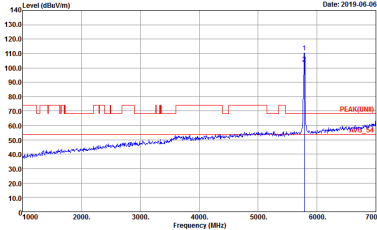
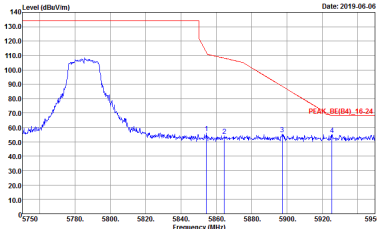
## WIFI 802.11n HT20 (Band Edge @ 3m)

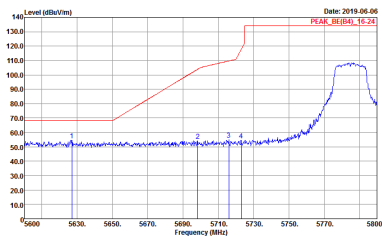
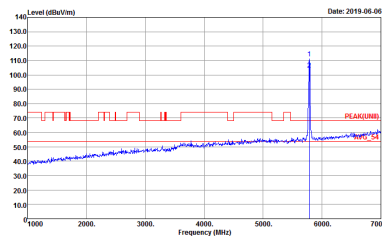
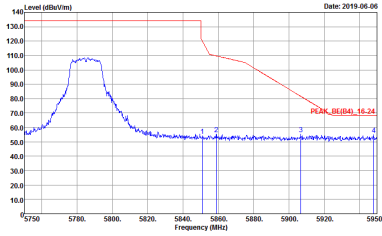
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 3    | Horizontal                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_RE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(FUND) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p> |



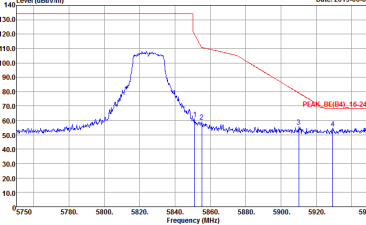
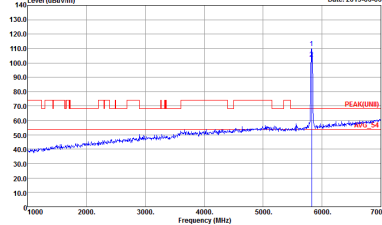
|      |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
| ANT  | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                               |
| 3    | Vertical                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |



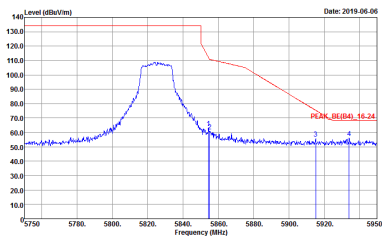
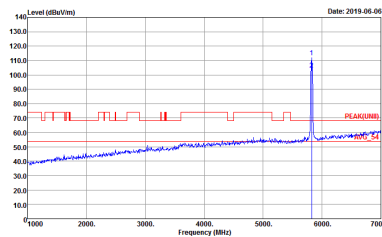
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                                |                                                                                                                                                                                                                   |
| 3    | Horizontal                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p></div> |
|      | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p></div> | Left blank                                                                                                                                                                                                        |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                    |                                                                                                                                                                                                       |
| 3    | Vertical                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                            |

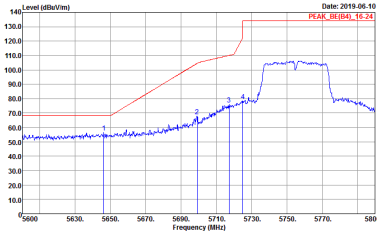
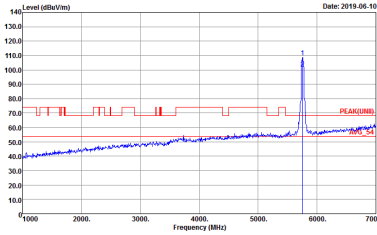
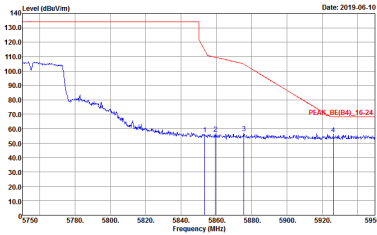


|      |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                 |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                 |
| ANT  | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                 |
| 3    | Horizontal                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

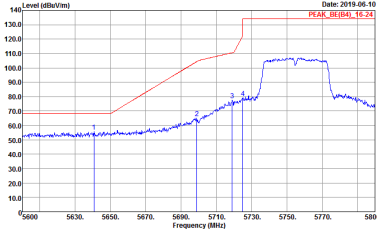
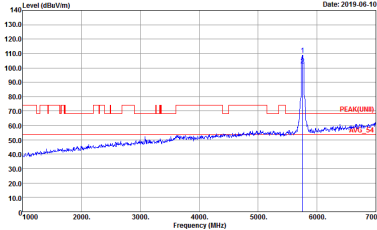
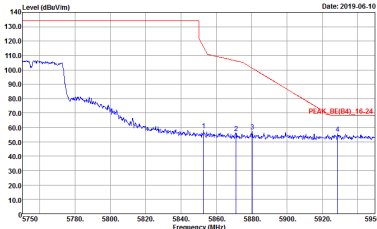


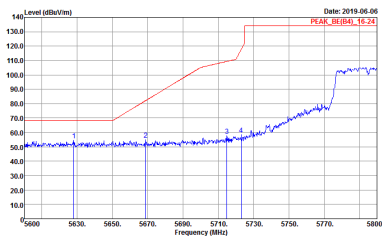
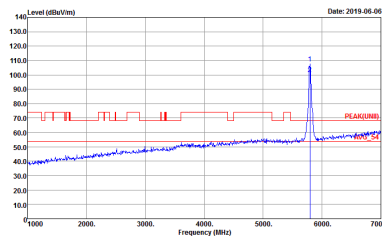
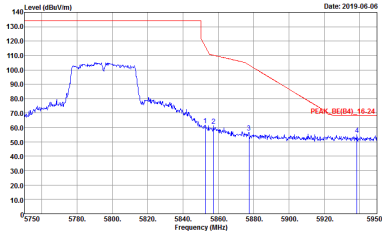
|      |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
| ANT  | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                               |
| 3    | Vertical                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

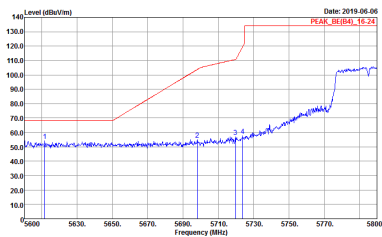
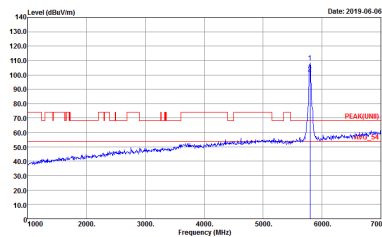
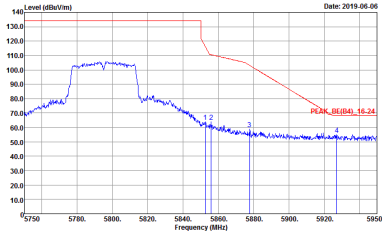
**Band 4 5725~5850MHz**
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                              |                                                                                                                                                                                                         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                      |                                                                                                                                                                                                         |
| 3    | Horizontal                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                              |

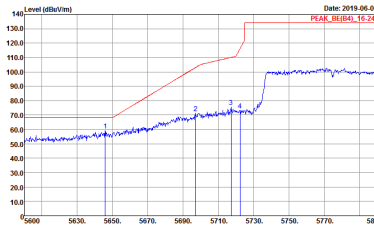
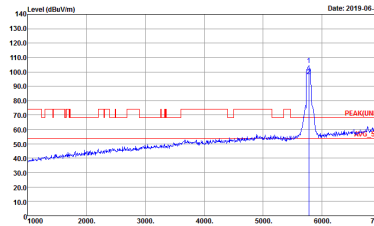
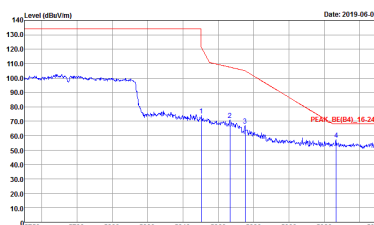


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                    |                                                                                                                                                                                                           |
| 3    | Vertical                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                                |

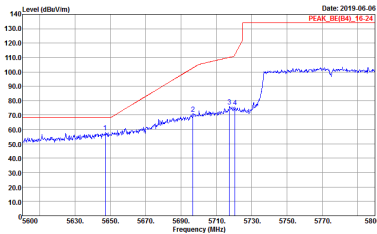
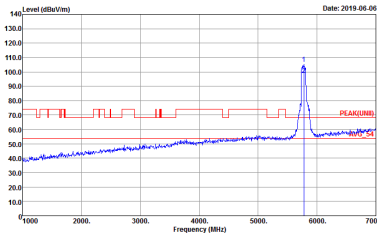
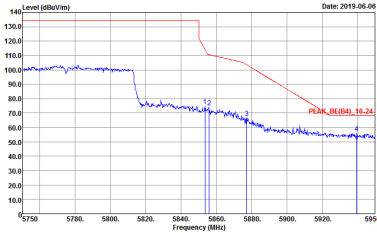
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                              |
| 3    | Horizontal                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316         </p> |
|      |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316         </p> | Left blank                                                                                                                                                                                                                                                   |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                    |                                                                                                                                                                                                       |
| 3    | Vertical                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                            |

**Band 4 5725~5850MHz**
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                          |
| 3    | Horizontal                                                                                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                                                                              |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 931316         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 931316         </p> |
|      |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 931316         </p> | Left blank                                                                                                                                                                                                                                                                                                               |

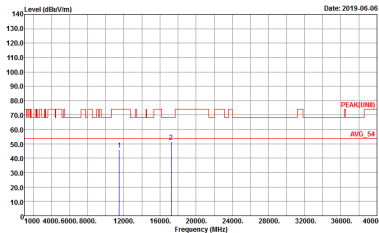
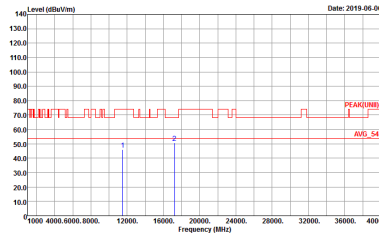


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                  |                                                                                                                                                                                                       |
| 3    | Vertical                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                            |

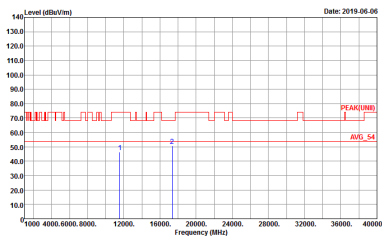
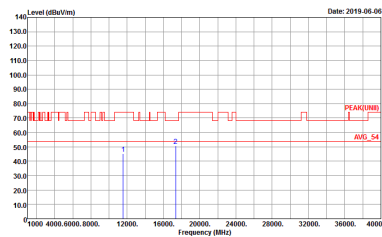


Band 4 - 5725~5850MHz

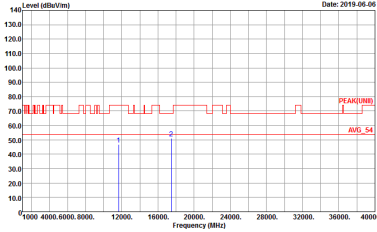
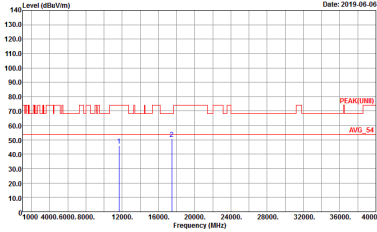
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH149 5745MHz                                                                                                                                                                                  |                                                                                                                                                                                                       |
| 3            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |

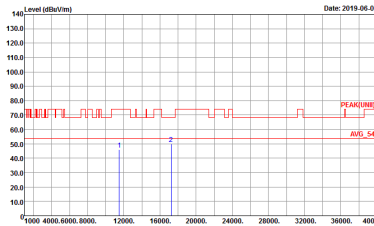
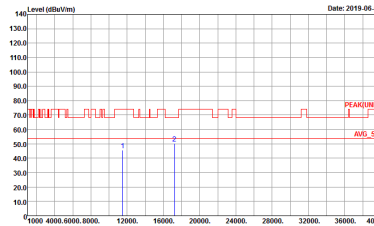


|              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                  |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                  |
| ANT          | 802.11a CH157 5785MHz                                                                                                                                                                                             |                                                                                                                                                                                                                  |
| 3            | Horizontal                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p></div> |



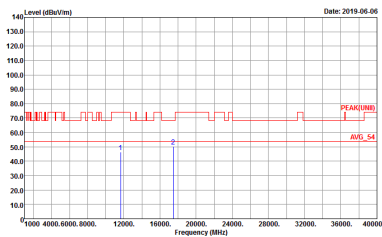
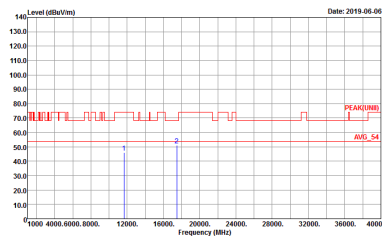
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                       |                                                                                                                                                                                                        |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH165 5825MHz                                                                                                                                                                                   |                                                                                                                                                                                                        |
| 3            | Horizontal                                                                                                                                                                                              | Vertical                                                                                                                                                                                               |
| Peak<br>Avg. |  <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |
|              |                                                                                                                                                                                                         |                                                                                                                                                                                                        |

**Band 4 5725~5850MHz**
**WIFI 802.11n HT20 (Harmonic @ 3m)**

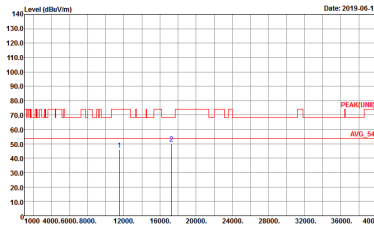
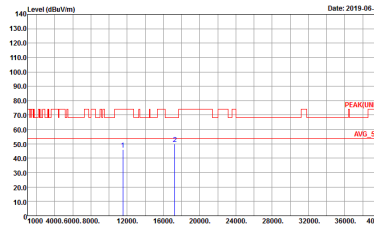
| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT20 CH149 5745MHz                                                                                                                                                                             |                                                                                                                                                                                                       |
| 3                              | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |



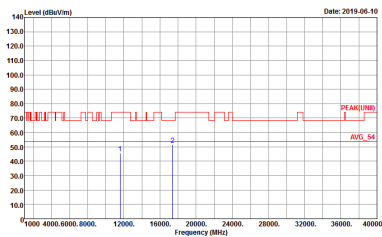
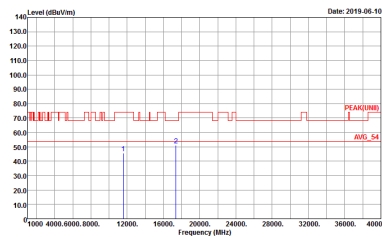
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                     |                                                                                                                     |
|--------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH157 5785MHz                                                                                            |                                                                                                                     |
| 3            | Horizontal                                                                                                            | Vertical                                                                                                            |
| Peak<br>Avg. | <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> | <p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                             |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                             |
| 3                              | Horizontal                                                                                                                                                                                                                                                   | Vertical                                                                                                                                                                                                                                                    |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CH16-11Y<br/>           Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316         </p> |  <p>           Site : 03CH16-11Y<br/>           Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 931316         </p> |

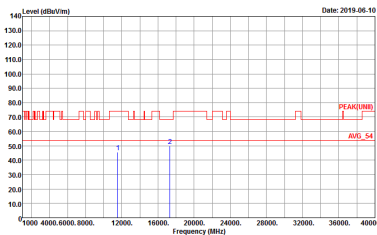
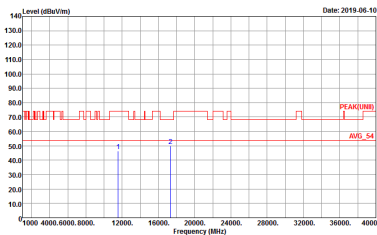
**Band 4 5725~5850MHz**
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH151 5755MHz                                                                                                                                                                             |                                                                                                                                                                                                       |
| 3                              | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |

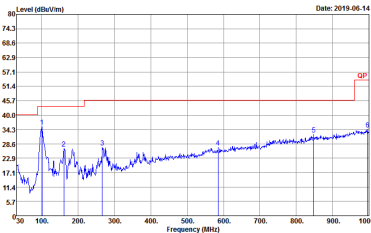
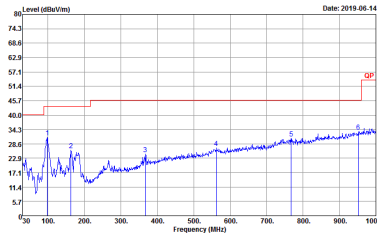


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                  |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                        |                                                                                                                                                                                                                  |
| 3            | Horizontal                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p></div> |

**Band 4 5725~5850MHz**
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

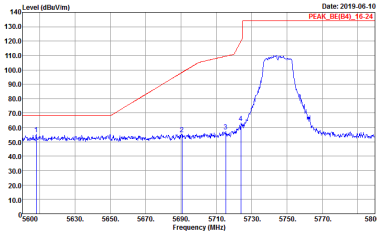
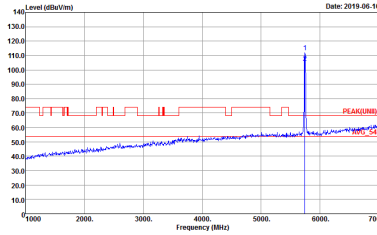
| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                           |                                                                                                                                                                                                       |
| 3                              | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |

**Emission below 1GHz**
**5GHz WIFI 802.11ac VHT80 (LF)**

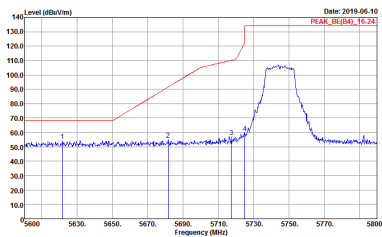
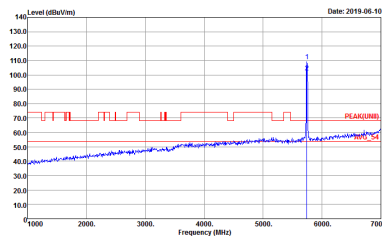
| WIFI         | 5GHz 5725~5850MHz                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                        |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 LF                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                        |
| 3            | Horizontal                                                                                                                                                                                                                                              | Vertical                                                                                                                                                                                                                                               |
| QP /<br>Peak |  <p>           Site : 03CH16-HY<br/>           Condition : QP 3m BIL06_47020606 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316         </p> |  <p>           Site : 03CH16-HY<br/>           Condition : QP 3m BIL06_47020606 VERTICAL<br/>           Detector : Peak<br/>           Project : 931316         </p> |
|              |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                        |



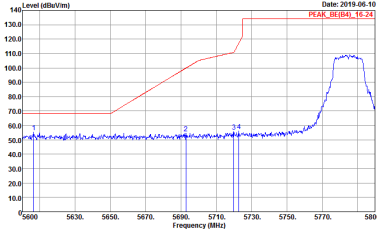
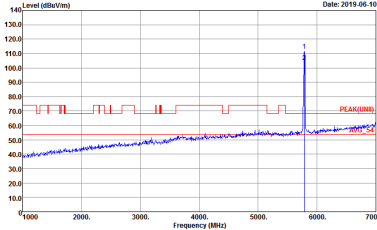
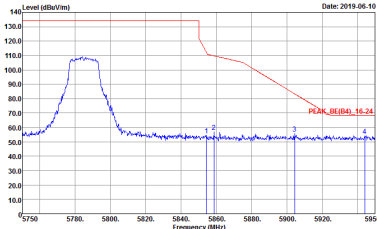
**Band 4 - 5725~5850MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                            |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                            |
| 0+3  | Horizontal                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_RE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(FUND)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p> |

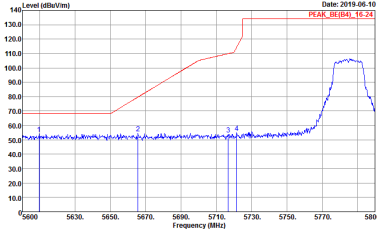
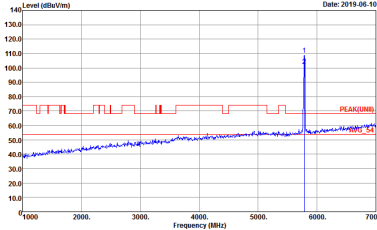
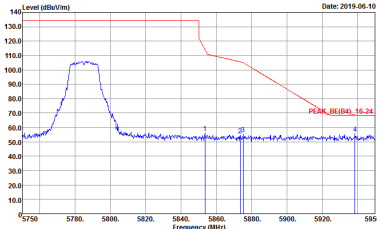


|      |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                               |
| 0+3  | Vertical                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

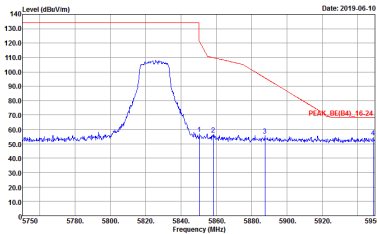
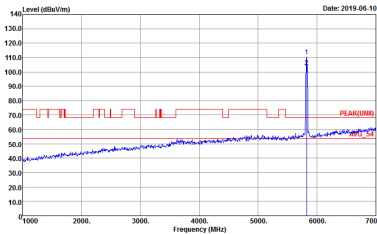


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                              |                                                                                                                                                                                                         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                           |                                                                                                                                                                                                         |
| 0+3  | Horizontal                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                              |

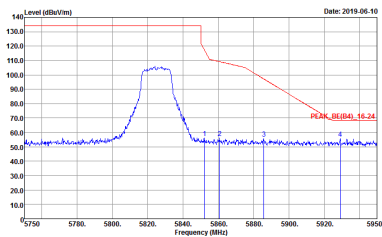
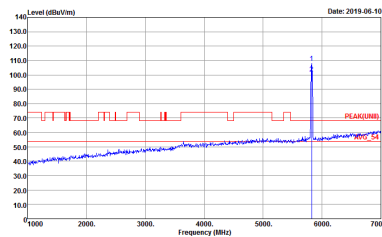


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                              |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                         |                                                                                                                                                                                                              |
| 0+3  | Vertical                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                                   |

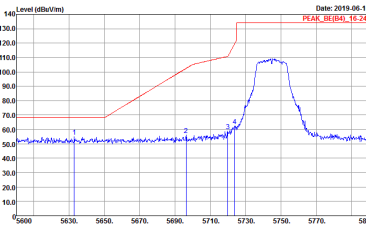
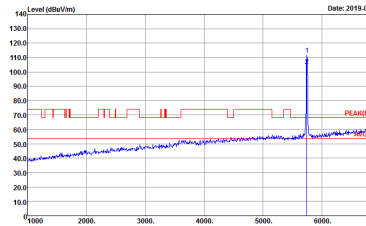


|      |                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                  |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                  |
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                  |
| 0+3  | Horizontal                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH165-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH165-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

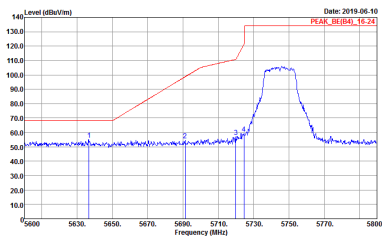
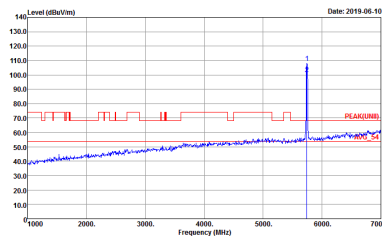


|      |                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                |
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                |
| 0+3  | Vertical                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH165-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH165-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

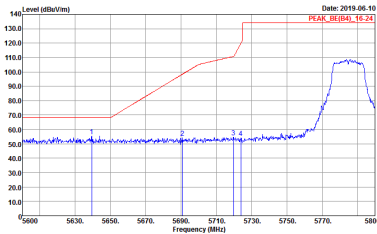
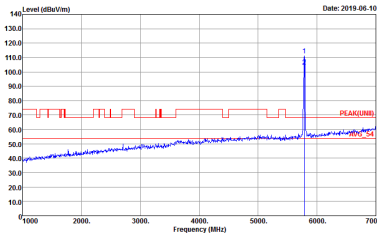
**Band 4 5725~5850MHz**
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 0+3  | Horizontal                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_RE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(FUND) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p> |
|      |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                      |

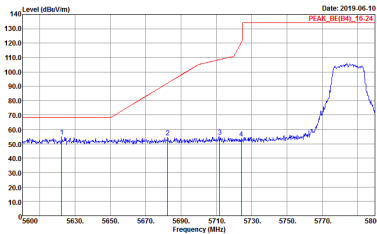
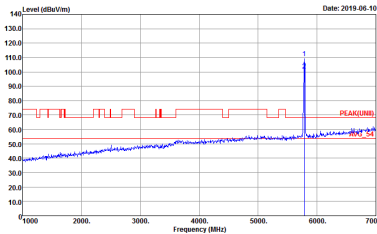
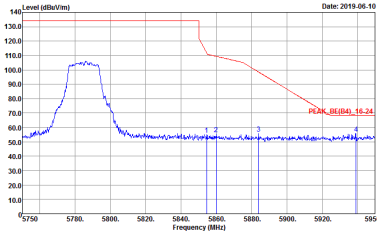


|      |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
| ANT  | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                               |
| 0+3  | Vertical                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

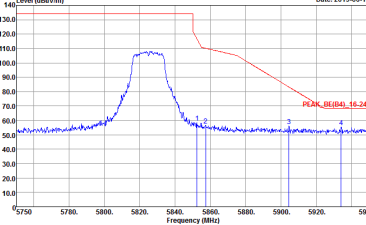
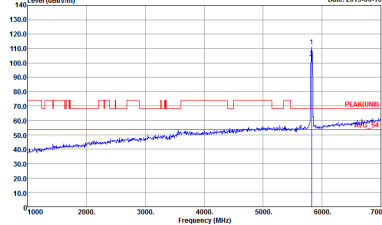


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                              |                                                                                                                                                                                                         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                      |                                                                                                                                                                                                         |
| 0+3  | Horizontal                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                              |

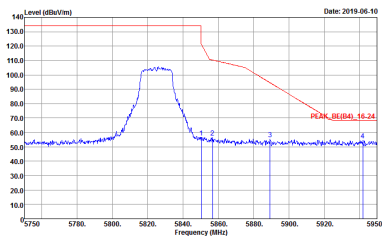
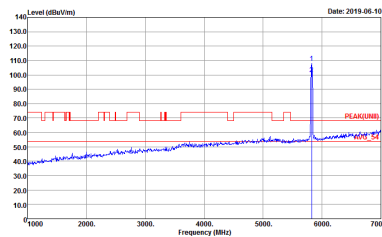


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                    |                                                                                                                                                                                                           |
| 0+3  | Vertical                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                                |

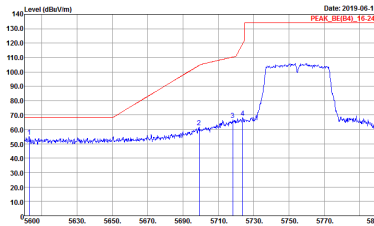
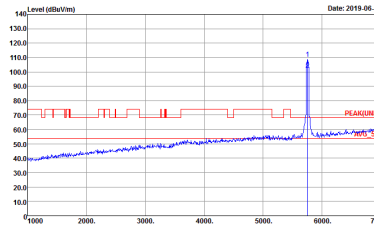
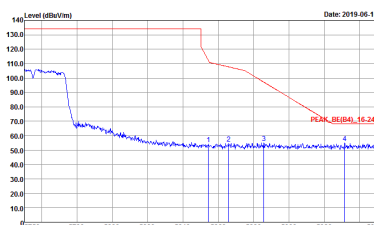


|      |                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                 |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                 |
| ANT  | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                 |
| 0+3  | Horizontal                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

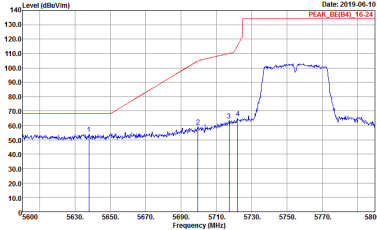
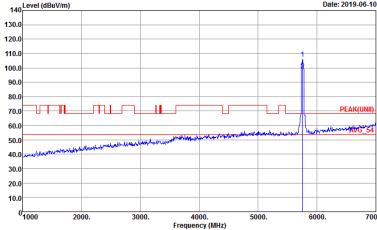
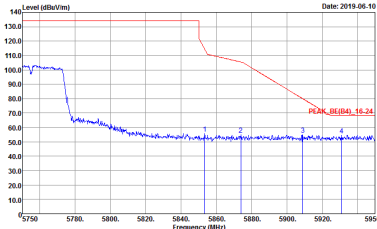


|      |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
| ANT  | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                               |
| 0+3  | Vertical                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

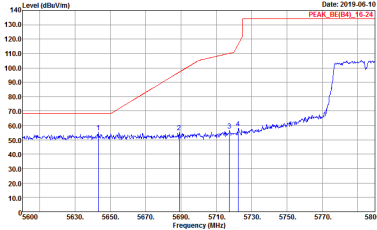
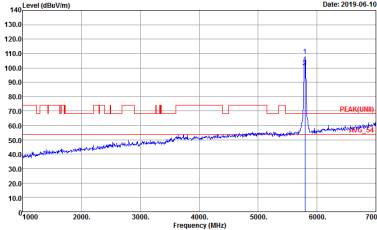
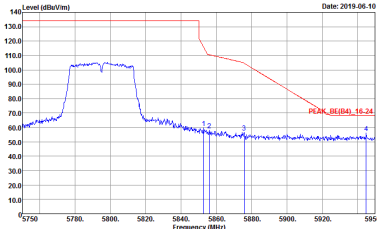
**Band 4 5725~5850MHz**
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                      |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                      |
| 0+3  | Horizontal                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                          |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_LIN(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316         </p> |
|      |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316         </p> | Left blank                                                                                                                                                                                                                                                           |

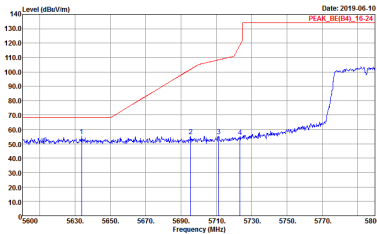
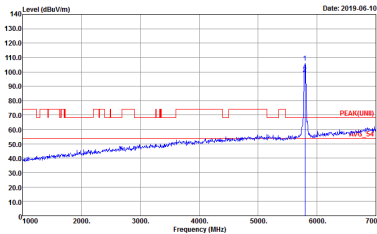
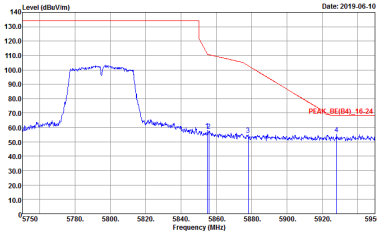


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                      |                                                                                                                                                                                                                 |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                              |                                                                                                                                                                                                                 |
| 0+3  | Vertical                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                     |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p></div> |
|      | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p></div> | Left blank                                                                                                                                                                                                      |

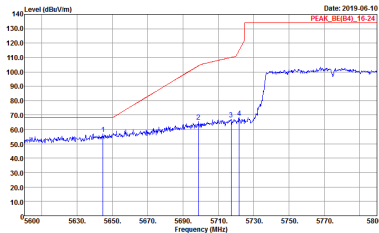
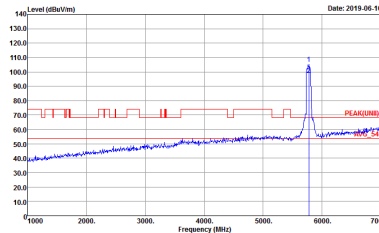
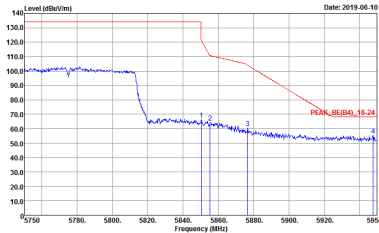


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                              |                                                                                                                                                                                                         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                      |                                                                                                                                                                                                         |
| 0+3  | Horizontal                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                              |

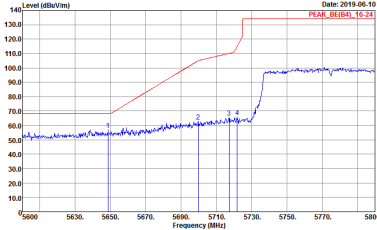
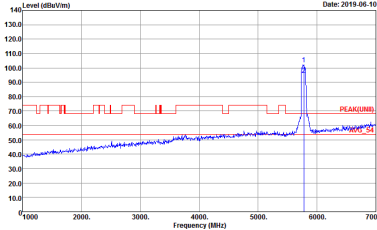
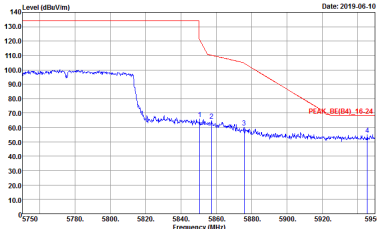


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                    |                                                                                                                                                                                                       |
| 0+3  | Vertical                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                            |

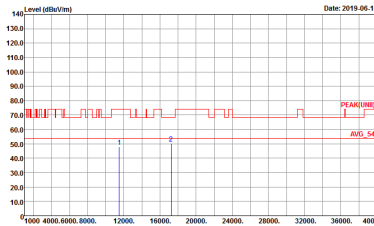
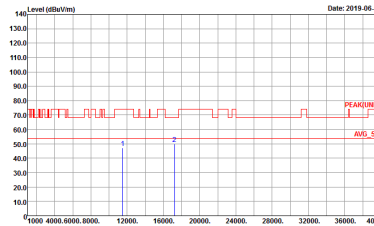
**Band 4 5725~5850MHz**
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                     |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                     |
| 0+3  | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                         |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(LNB) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                                                                          |

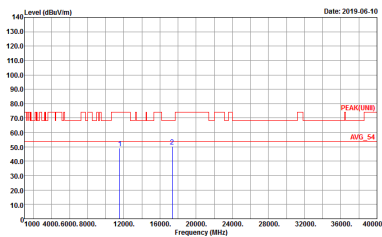
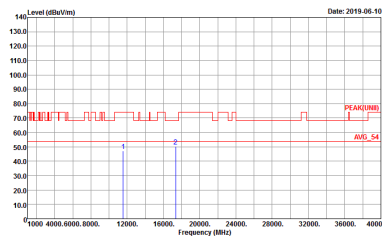


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                            |                                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                  |                                                                                                                                                                                                       |
| 0+3  | Vertical                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                            |

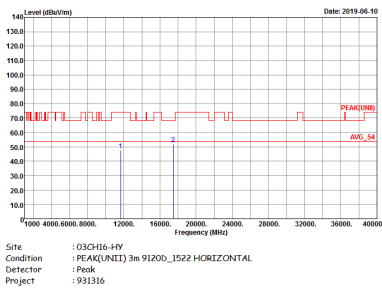
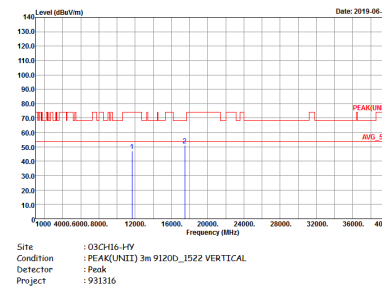
**Band 4 - 5725~5850MHz**
**WIFI 802.11a (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                          |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11a CH149 5745MHz                                                                                                                                                                                                     |                                                                                                                                                                                                                          |
| 0+3                            | Horizontal                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316<br/>Setting : 14.5</p> |

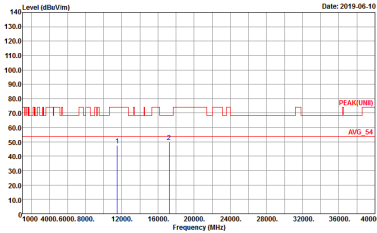
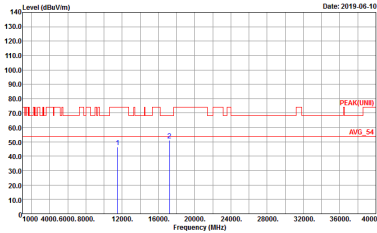


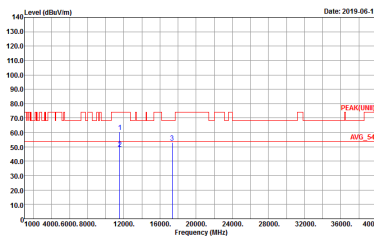
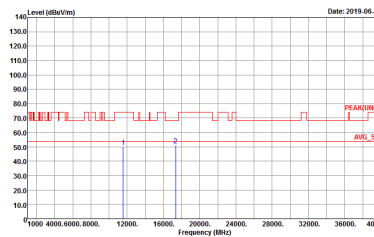
|              |                                                                                                                                                                                                                   |                                                                                                                                                                                                                  |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                 |                                                                                                                                                                                                                  |
| ANT          | 802.11a CH157 5785MHz                                                                                                                                                                                             |                                                                                                                                                                                                                  |
| 0+3          | Horizontal                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p></div> |

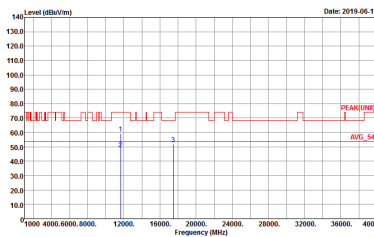
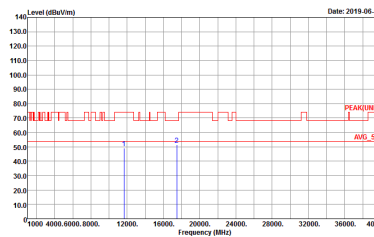


| WIFI             | Band 4 5725~5850MHz Harmonic @ 3m                                                 |                                                                                    |
|------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| ANT              | 802.11a CH165 5825MHz                                                             |                                                                                    |
| 0+3              | Horizontal                                                                        | Vertical                                                                           |
| Peak<br><br>Avg. |  |  |
|                  |                                                                                   |                                                                                    |

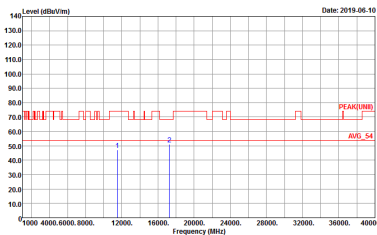
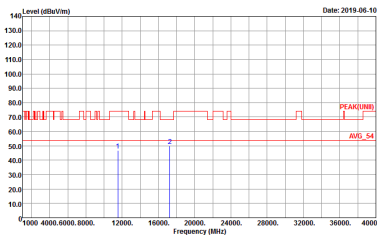
**Band 4 5725~5850MHz**
**WIFI 802.11n HT20 (Harmonic @ 3m)**

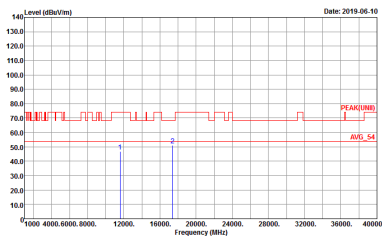
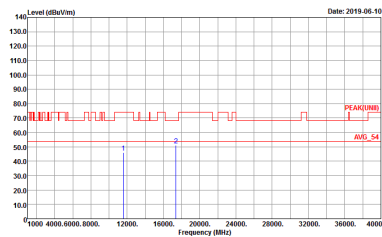
| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT20 CH149 5745MHz                                                                                                                                                                             |                                                                                                                                                                                                       |
| 0+3                            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                             |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                             |
| 0+3                            | Horizontal                                                                                                                                                                                                                                                   | Vertical                                                                                                                                                                                                                                                    |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CH16-11Y<br/>           Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 931316         </p> |  <p>           Site : 03CH16-11Y<br/>           Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 931316         </p> |

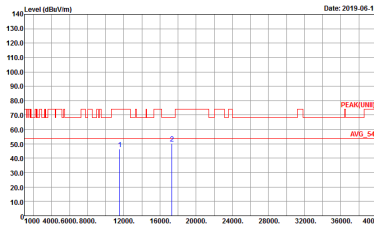
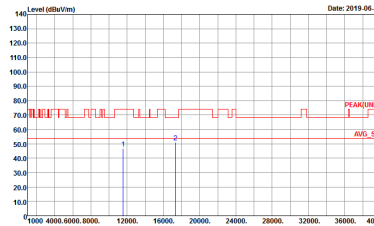
| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                           |                                                                                                                                                                                                            |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                  |                                                                                                                                                                                                            |
| 0+3                            | Horizontal                                                                                                                                                                                                  | Vertical                                                                                                                                                                                                   |
| <b>Peak</b><br><br><b>Avg.</b> |  <p> Site : 03CH16-11Y<br/> Condition : PEAK(UNB) 3m 91200_1522 HORIZONTAL<br/> Detector : Peak<br/> Project : 931316 </p> |  <p> Site : 03CH16-11Y<br/> Condition : PEAK(UNB) 3m 91200_1522 VERTICAL<br/> Detector : Peak<br/> Project : 931316 </p> |

**Band 4 5725~5850MHz**
**WIFI 802.11n HT40 (Harmonic @ 3m)**

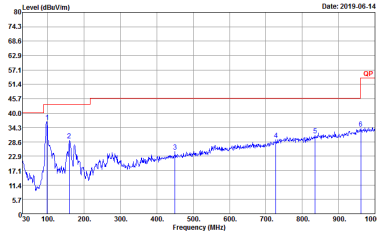
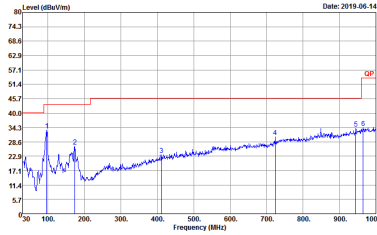
| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH151 5755MHz                                                                                                                                                                             |                                                                                                                                                                                                       |
| 0+3                            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                           |                                                                                                                                                                                                            |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                  |                                                                                                                                                                                                            |
| 0+3                            | Horizontal                                                                                                                                                                                                  | Vertical                                                                                                                                                                                                   |
| <b>Peak</b><br><br><b>Avg.</b> |  <p> Site : 03CH16-11Y<br/> Condition : PEAK(UWB) 3m 91200_1522 HORIZONTAL<br/> Detector : Peak<br/> Project : 931316 </p> |  <p> Site : 03CH16-11Y<br/> Condition : PEAK(UWB) 3m 91200_1522 VERTICAL<br/> Detector : Peak<br/> Project : 931316 </p> |

**Band 4 5725~5850MHz**
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                           |                                                                                                                                                                                                       |
| 0+3                            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 931316</p> |

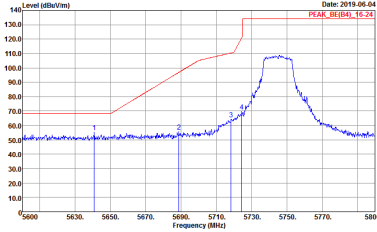
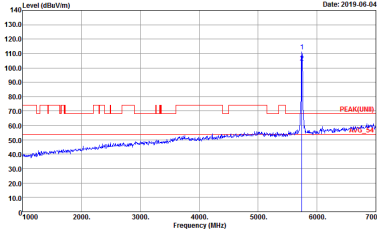
**Emission below 1GHz**  
**5GHz WIFI 802.11ac VHT80 (LF)**

| WIFI                 | 5GHz 5725~5850MHz                                                                                                                                                                                     |                                                                                                                                                                                                      |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11ac VHT80 LF                                                                                                                                                                                     |                                                                                                                                                                                                      |
| 0+3                  | Horizontal                                                                                                                                                                                            | Vertical                                                                                                                                                                                             |
| <b>QP /<br/>Peak</b> |  <p>Site : 03CH16-HY<br/> Condition : QP 3m BIL06_47020606 HORIZONTAL<br/> Detector : Peak<br/> Project : 931316</p> |  <p>Site : 03CH16-HY<br/> Condition : QP 3m BIL06_47020606 VERTICAL<br/> Detector : Peak<br/> Project : 931316</p> |
|                      |                                                                                                                                                                                                       |                                                                                                                                                                                                      |

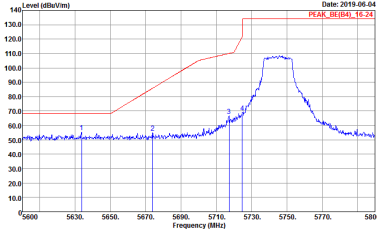
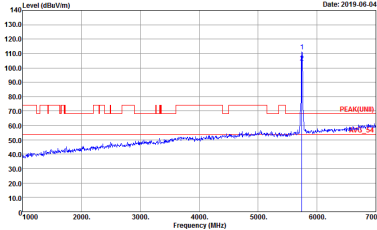


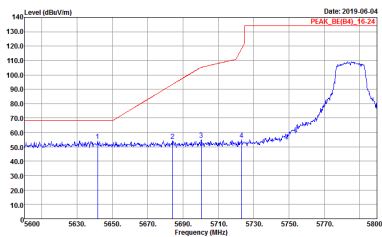
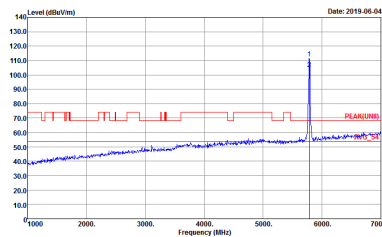
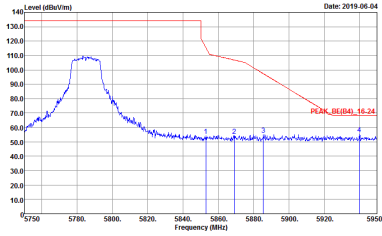
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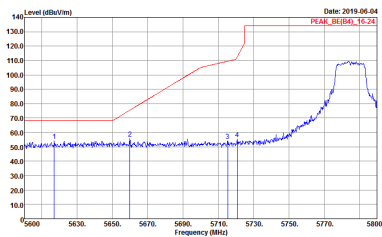
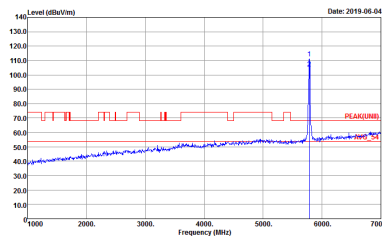
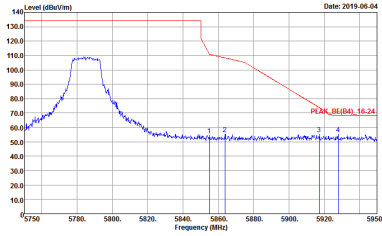
Band 4 - 5725~5850MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                      |
| 3    | Horizontal                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(LINE) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p> |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                               |
| 3    | Vertical                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> | <div><p>Site : 03CH16-11Y<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 931316</p></div> |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                              |                                                                                                                                                                                                         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                           |                                                                                                                                                                                                         |
| 3    | Horizontal                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> |
|      |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 931316</p> | Left blank                                                                                                                                                                                              |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                            |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                            |
| 3    | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 931316         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 931316         </p> |
|      |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 931316         </p> | Left blank                                                                                                                                                                                                                                                 |