



# FCC RADIO TEST REPORT

FCC ID : UZ7CC600  
Equipment : Customer Concierge  
Brand Name : ZEBRA  
Model name : CC600  
Applicant : Zebra Technologies Corporation  
1 Zebra Plaza, Holtsville, NY 11742  
Manufacturer : Zebra Technologies Corporation  
1 Zebra Plaza, Holtsville, NY 11742  
Standard : FCC Part 15 SUBPART E §15.407

The product was received on Jan. 11, 2019 and testing was started from Feb. 21, 2019 and completed on Apr. 23, 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   |
|------------|---------|-------------------------|---------------|
| FR911110E  | 01      | Initial issue of report | Apr. 29, 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>3.06 dB at<br>11510.000 MHz |
| 3.5           | 15.207                 | AC Conducted Emission                  | Pass               | Under limit<br>6.51 dB at<br>0.5685 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: Natasha Hsieh**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                 |                                                                                |
|---------------------------------|--------------------------------------------------------------------------------|
| Equipment                       | Customer Concierge                                                             |
| Brand Name                      | ZEBRA                                                                          |
| Model Name                      | CC600                                                                          |
| FCC ID                          | UZ7CC600                                                                       |
| EUT supports Radios application | WLAN 11a/b/g/n HT20/HT40<br>WLAN 11ac VHT20/VHT40/VHT80<br>Bluetooth BR/EDR/LE |
| HW Version                      | DV                                                                             |
| SW Version                      | 01-15-15.00.OG-U00-PRD                                                         |
| FW Version                      | FUSION_QA_2_1.4.0.002_O                                                        |
| MFD                             | 17JAN19                                                                        |
| EUT Stage                       | Engineering Sample                                                             |

Remark: The above EUT's information was declared by manufacturer.

| Specification of Accessories |            |       |             |                 |
|------------------------------|------------|-------|-------------|-----------------|
| AC Adaptor                   | Brand Name | ZEBRA | Part Number | PWR-BUA5V16W0WW |
| DC Cable                     | Brand Name | ZEBRA | Part Number | CBL-DC-383A1-01 |
| AC Cable                     | Brand Name | ZEBRA | Part Number | 50-16000-182R   |

| Support Unit Used in Test Configuration and System |            |           |             |              |
|----------------------------------------------------|------------|-----------|-------------|--------------|
| POE                                                | Brand Name | Microsemi | Part Number | PD-9501GR/AC |

## 1.2 Product Specification of Equipment Under Test

| Standards-related Product Specification                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tx/Rx Channel Frequency Range</b>                         | 5745 MHz ~ 5825 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Maximum Output Power to Antenna<br/>&lt;CDD Modes&gt;</b> | <p><b>&lt;Ant. 1&gt;</b><br/> 802.11a : 21.20 dBm / 0.1318 W<br/> 802.11n HT20 : 20.80 dBm / 0.1202 W<br/> 802.11n HT40 : 20.80 dBm / 0.1202 W<br/> 802.11ac VHT20: 20.70 dBm / 0.1175 W<br/> 802.11ac VHT40: 20.70 dBm / 0.1175 W<br/> 802.11ac VHT80: 21.00 dBm / 0.1259 W</p> <p><b>&lt;Ant. 2&gt;</b><br/> 802.11a : 21.00 dBm / 0.1259 W<br/> 802.11n HT20 : 20.80 dBm / 0.1202 W<br/> 802.11n HT40 : 21.10 dBm / 0.1288 W<br/> 802.11ac VHT20: 20.70 dBm / 0.1175 W<br/> 802.11ac VHT40: 21.00 dBm / 0.1259 W<br/> 802.11ac VHT80: 20.80 dBm / 0.1202 W</p> <p><b>MIMO &lt;Ant. 1 + 2&gt;</b><br/> 802.11a : 23.76 dBm / 0.2377 W<br/> 802.11n HT20 : 24.16 dBm / 0.2606 W<br/> 802.11n HT40 : 23.92 dBm / 0.2466 W<br/> 802.11ac VHT20: 24.06 dBm / 0.2547 W<br/> 802.11ac VHT40: 23.82 dBm / 0.2410 W<br/> 802.11ac VHT80: 23.56 dBm / 0.2270 W</p> |
| <b>Maximum Output Power<br/>&lt;TXBF Modes&gt;</b>           | <p><b>MIMO &lt;Ant. 1 + 2&gt;</b><br/> 802.11ac VHT20: 22.06 dBm / 0.1607 W<br/> 802.11ac VHT40: 22.61 dBm / 0.1824 W<br/> 802.11ac VHT80: 22.31 dBm / 0.1702 W</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>99% Occupied Bandwidth<br/>&lt;CDD Modes&gt;</b>          | <p><b>&lt;Ant. 1&gt;</b><br/> 802.11a : 16.95 MHz<br/> 802.11n HT20 : 18.05 MHz<br/> 802.11n HT40 : 37.20 MHz<br/> 802.11ac VHT80 : 77.16 MHz</p> <p><b>&lt;Ant. 2&gt;</b><br/> 802.11a : 17.25 MHz<br/> 802.11n HT20 : 18.10 MHz<br/> 802.11n HT40 : 36.80 MHz<br/> 802.11ac VHT80 : 76.92 MHz</p> <p><b>MIMO &lt;Ant. 1&gt;</b><br/> 802.11a : 17.10 MHz<br/> 802.11n HT20 : 20.75 MHz<br/> 802.11n HT40 : 36.70 MHz<br/> 802.11ac VHT80 : 77.28 MHz</p> <p><b>MIMO &lt;Ant. 2&gt;</b><br/> 802.11a : 16.90 MHz<br/> 802.11n HT20 : 19.20 MHz<br/> 802.11n HT40 : 37.00 MHz<br/> 802.11ac VHT80 : 76.80 MHz</p>                                                                                                                                                                                                                                           |

| Standards-related Product Specification |                                                                                                                                                                                                                                              |                                                                                                          |        |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------|
| 99% Occupied Bandwidth<br><TXBF Modes>  | <b>MIMO &lt;Ant. 1&gt;</b><br>802.11ac VHT20 : 17.93 MHz<br>802.11ac VHT40 : 36.56 MHz<br>802.11ac VHT80 : 77.08 MHz<br><b>MIMO &lt;Ant. 2&gt;</b><br>802.11ac VHT20 : 17.83 MHz<br>802.11ac VHT40 : 36.46 MHz<br>802.11ac VHT80 : 76.84 MHz |                                                                                                          |        |
|                                         | <b>Antenna Gain / Gain</b><br><b>Ant. 1:</b> PIFA Antenna with gain 2.40 dBi<br><b>Ant. 2:</b> PIFA Antenna with gain 4.40 dBi                                                                                                               |                                                                                                          |        |
| <b>Type of Modulation</b>               |                                                                                                                                                                                                                                              | 802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)<br>802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) |        |
| <b>Antenna Function Description</b>     |                                                                                                                                                                                                                                              | Ant. 1                                                                                                   | Ant. 2 |
|                                         | 802.11 a/n/ac                                                                                                                                                                                                                                | V                                                                                                        | V      |
|                                         | 802.11 a/n/ac<br>MIMO                                                                                                                                                                                                                        | V                                                                                                        | V      |
|                                         | 802.11ac<br>TXBF                                                                                                                                                                                                                             | V                                                                                                        | V      |

**Note:** MIMO Ant. 1+2 is a calculated result from sum of the power MIMO Ant. 1 and MIMO Ant. 2.

### 1.3 Modification of EUT

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

## 1.4 Testing Location

|                           |                                                                                                                       |         |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|---------|
| <b>Test Site</b>          | SPORTON INTERNATIONAL INC.                                                                                            |         |
| <b>Test Site Location</b> | 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 |         |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                               |         |
|                           | TH05-HY                                                                                                               | CO05-HY |

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

|                           |                                                                                                                                           |  |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Test Site</b>          | SPORTON INTERNATIONAL INC.                                                                                                                |  |
| <b>Test Site Location</b> | 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 |  |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                   |  |
|                           | 03CH15-HY                                                                                                                                 |  |

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

FCC designation No.: TW1190 and TW0007

## 1.5 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 (X plane for Ant. 2 and MIMO Ant. 1+2, Y plane for Ant. 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      |

### TXBF Mode

| Modulation     | Data Rate |
|----------------|-----------|
| 802.11ac VHT20 | MCS0      |
| 802.11ac VHT40 | MCS0      |
| 802.11ac VHT80 | MCS0      |

| Test Cases                                                                                               |                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AC Conducted Emission</b>                                                                             | Mode 1 : WLAN (5GHz) Link with VOIP + Bluetooth Link + VOIP + USB Data Link with Notebook (Notebook to SD Card) + POE + LAN Load with Notebook |
| <b>Remark:</b> Data Link with Notebook means data application transferred mode between EUT and Notebook. |                                                                                                                                                |

**<CDD Mode>**

| 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          | -              |

**<TXBF Mode>**

| Ch. # |        | Band IV : 5725-5850 MHz |                |                |                |
|-------|--------|-------------------------|----------------|----------------|----------------|
|       |        | 802.11a                 | 802.11ac VHT20 | 802.11ac VHT40 | 802.11ac VHT80 |
| L     | Low    | 149                     | 149            | 151            | -              |
| M     | Middle | 157                     | 157            | -              | 155            |
| H     | High   | 165                     | 165            | 159            | -              |

**<CDD Mode>**
**<Ant. 1>**

| 802.11a RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |       |
|-------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel             |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |       |
| Channel                       | Frequency (MHz) | Data Rate (bps) | channel            | Data Rate (bps) |       |       |       |       |       |       |
|                               |                 | 6M              |                    | 9M              | 12M   | 18M   | 24M   | 36M   | 48M   | 54M   |
| CH 149                        | 5745            | 20.30           | CH 165             | 21.10           | 21.00 | 21.00 | 20.90 | 20.80 | 20.90 | 20.90 |
| CH 157                        | 5785            | 21.00           |                    |                 |       |       |       |       |       |       |
| CH 165                        | 5825            | 21.20           |                    |                 |       |       |       |       |       |       |

| 802.11n HT20 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |
|------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                  |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |
| Channel                            | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |
|                                    |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  |
| CH 149                             | 5745            | 20.80     | CH 149             | 20.70     | 20.60 | 20.60 | 20.50 | 20.40 | 20.50 | 20.40 |
| CH 157                             | 5785            | 20.30     |                    |           |       |       |       |       |       |       |
| CH 165                             | 5825            | 20.60     |                    |           |       |       |       |       |       |       |

| 802.11n HT40 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |
|------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                  |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |
| Channel                            | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |
|                                    |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  |
| CH 151                             | 5755            | 20.80     | CH 151             | 20.70     | 20.70 | 20.60 | 20.70 | 20.50 | 20.40 | 20.40 |
| CH 159                             | 5795            | 20.60     |                    |           |       |       |       |       |       |       |

| 802.11ac VHT20 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |       |
|                                      |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  |
| CH 149                               | 5745            | 20.70     | CH 149             |           |       |       |       |       |       |       |       |
| CH 157                               | 5785            | 20.20     |                    | 20.60     | 20.60 | 20.50 | 20.40 | 20.30 | 20.40 | 20.20 | 20.20 |
| CH 165                               | 5825            | 20.50     |                    |           |       |       |       |       |       |       |       |

| 802.11ac VHT40 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH 151                               | 5755            | 20.70     | CH 151             |           |       |       |       |       |       |       |       |       |
| CH 159                               | 5795            | 20.50     |                    | 20.60     | 20.60 | 20.50 | 20.40 | 20.50 | 20.30 | 20.20 | 20.30 | 20.20 |

| 802.11ac VHT80 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH155                                | 5775            | 21.00     | CH155              | 20.90     | 20.90 | 20.80 | 20.80 | 20.60 | 20.80 | 20.70 | 20.70 | 20.60 |

<Ant. 2>

| 802.11a RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |       |
|-------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel             |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |       |
| Channel                       | Frequency (MHz) | Data Rate (bps) | channel            | Data Rate (bps) |       |       |       |       |       |       |
|                               |                 | 6M              |                    | 9M              | 12M   | 18M   | 24M   | 36M   | 48M   | 54M   |
| CH 149                        | 5745            | 20.40           | CH 157             |                 |       |       |       |       |       |       |
| CH 157                        | 5785            | 21.00           |                    | 20.80           | 20.90 | 20.80 | 20.80 | 20.70 | 20.70 | 20.60 |
| CH 165                        | 5825            | 20.60           |                    |                 |       |       |       |       |       |       |

| 802.11n HT20 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |
|------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                  |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |
| Channel                            | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |
|                                    |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  |
| CH 149                             | 5745            | 20.70     | CH 157             |           |       |       |       |       |       |       |
| CH 157                             | 5785            | 20.80     |                    | 20.70     | 20.70 | 20.60 | 20.50 | 20.60 | 20.40 | 20.30 |
| CH 165                             | 5825            | 20.40     |                    |           |       |       |       |       |       |       |

| 802.11n HT40 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |
|------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                  |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |
| Channel                            | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |
|                                    |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  |
| CH 151                             | 5755            | 20.90     | CH 159             | 21.00     | 20.90 | 21.00 | 20.80 | 20.90 | 20.70 | 20.60 |
| CH 159                             | 5795            | 21.10     |                    |           |       |       |       |       |       |       |

| 802.11ac VHT20 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |       |
|                                      |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  |
| CH 149                               | 5745            | 20.60     | CH 157             |           |       |       |       |       |       |       |       |
| CH 157                               | 5785            | 20.70     |                    | 20.60     | 20.50 | 20.40 | 20.50 | 20.30 | 20.40 | 20.30 | 20.30 |
| CH 165                               | 5825            | 20.30     |                    |           |       |       |       |       |       |       |       |

| 802.11ac VHT40 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH 151                               | 5755            | 20.80     | CH 159             | 20.90     | 20.90 | 20.80 | 20.70 | 20.80 | 20.80 | 20.70 | 20.60 | 20.80 |
| CH 159                               | 5795            | 21.00     |                    |           |       |       |       |       |       |       |       |       |

| 802.11ac VHT80 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH155                                | 5775            | 20.80     | CH155              | 20.70     | 20.60 | 20.60 | 20.60 | 20.50 | 20.40 | 20.50 | 20.60 | 20.60 |

**MIMO <Ant. 1+2>**

| 802.11a RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |       |
|-------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel             |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |       |
| Channel                       | Frequency (MHz) | Data Rate (bps) | channel            | Data Rate (bps) |       |       |       |       |       |       |
|                               |                 | 6M              |                    | 9M              | 12M   | 18M   | 24M   | 36M   | 48M   | 54M   |
| CH 149                        | 5745            | 23.76           | CH 149             |                 |       |       |       |       |       |       |
| CH 157                        | 5785            | 22.02           |                    | 23.66           | 23.56 | 23.61 | 23.46 | 23.46 | 23.36 | 23.36 |
| CH 165                        | 5825            | 23.46           |                    |                 |       |       |       |       |       |       |



| 802.11n HT20 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |
|------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                  |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |
| Channel                            | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |
|                                    |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  |
| CH 149                             | 5745            | 24.16     | CH 149             | 24.06     | 24.01 | 23.96 | 24.01 | 23.86 | 23.91 | 23.76 |
| CH 157                             | 5785            | 21.37     |                    |           |       |       |       |       |       |       |
| CH 165                             | 5825            | 23.76     |                    |           |       |       |       |       |       |       |

| 802.11n HT40 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |
|------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                  |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |
| Channel                            | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |
|                                    |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  |
| CH 151                             | 5755            | 23.86     | CH 159             | 23.82     | 23.72 | 23.73 | 23.77 | 23.63 | 23.62 | 23.47 |
| CH 159                             | 5795            | 23.92     |                    |           |       |       |       |       |       |       |

| 802.11ac VHT20 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |       |
|                                      |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  |
| CH 149                               | 5745            | 24.06     | CH 149             | 23.96     | 23.91 | 23.86 | 23.76 | 23.86 | 23.76 | 23.66 | 23.76 |
| CH 157                               | 5785            | 21.27     |                    |           |       |       |       |       |       |       |       |
| CH 165                               | 5825            | 23.66     |                    |           |       |       |       |       |       |       |       |

| 802.11ac VHT40 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH 151                               | 5755            | 23.76     | CH 159             | 23.72     | 23.62 | 23.72 | 23.57 | 23.57 | 23.57 | 23.62 | 23.52 | 23.42 |
| CH 159                               | 5795            | 23.82     |                    |           |       |       |       |       |       |       |       |       |

| 802.11ac VHT80 RF Output Power (dBm) |                 |           |                    |           |       |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |           | Power vs Data Rate |           |       |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index | channel            | MCS Index |       |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0      |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  | MCS10 |
| CH155                                | 5775            | 23.56     | CH155              | 23.46     | 23.41 | 23.41 | 23.31 | 23.31 | 23.26 | 23.16 | 23.21 | 23.06 |       |

**<TXBF Mode>**

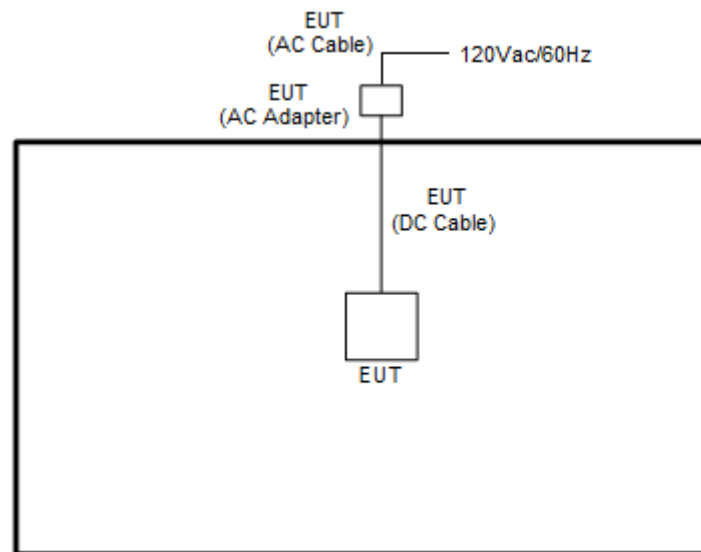
| 802.11ac VHT20 RF Output Power (dBm) |                 |              |                    |           |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|--------------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |              | Power vs Data Rate |           |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index    | channel            | MCS Index |       |       |       |       |       |       |       |
|                                      |                 | MCS0         |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  |
| CH 149                               | 5745            | 21.96        | CH 165             | 21.76     | 21.86 | 21.96 | 22.01 | 22.01 | 22.01 | 22.01 | 22.01 |
| CH 157                               | 5785            | 22.01        |                    |           |       |       |       |       |       |       |       |
| CH 165                               | 5825            | <b>22.06</b> |                    |           |       |       |       |       |       |       |       |

| 802.11ac VHT40 RF Output Power (dBm) |                 |              |                    |           |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|--------------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |              | Power vs Data Rate |           |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index    | channel            | MCS Index |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0         |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH 151                               | 5755            | <b>22.61</b> | CH 151             | 22.41     | 22.46 | 22.46 | 22.46 | 22.41 | 22.41 | 22.51 | 22.51 | 22.46 |
| CH 159                               | 5795            | 22.57        |                    |           |       |       |       |       |       |       |       |       |

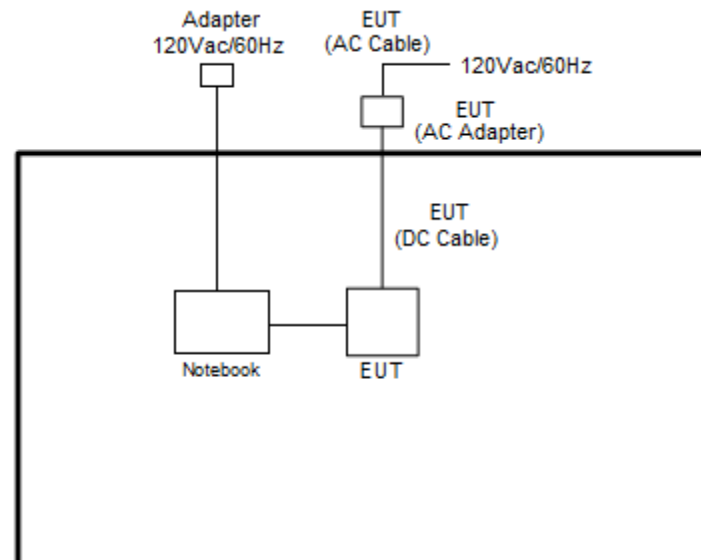
| 802.11ac VHT80 RF Output Power (dBm) |                 |              |                    |           |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|--------------|--------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |              | Power vs Data Rate |           |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | MCS Index    | channel            | MCS Index |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0         |                    | MCS1      | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH155                                | 5775            | <b>22.31</b> | CH155              | 22.21     | 22.26 | 22.26 | 22.26 | 22.26 | 22.26 | 22.26 | 22.26 | 22.26 |

## 2.3 Connection Diagram of Test System

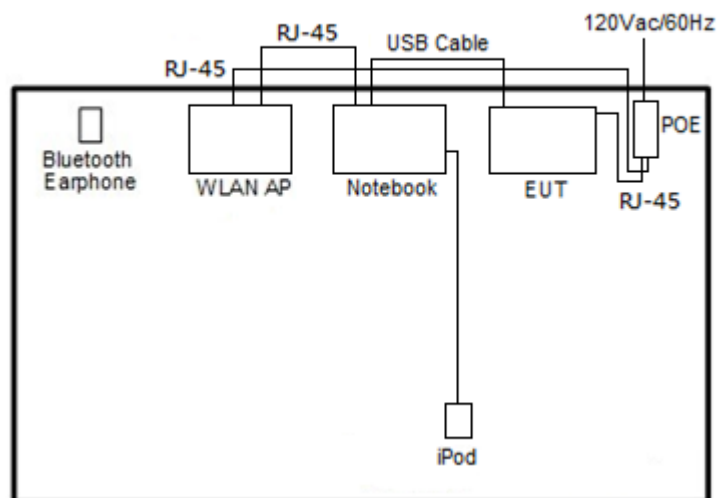
### <WLAN Tx for CDD Mode>



### <WLAN Tx for TXBF Mode>





**<AC Conducted Emission Mode>**

**2.4 Support Unit used in test configuration and system**

| Item | Equipment          | Trade Name    | Model Name     | FCC ID                                       | Data Cable      | Power Cord                                                 |
|------|--------------------|---------------|----------------|----------------------------------------------|-----------------|------------------------------------------------------------|
| 1.   | Bluetooth Earphone | Sony Ericsson | MW600          | PY7DDA-2029                                  | N/A             | N/A                                                        |
| 2.   | WLAN AP            | ASUS          | RT-AC66U       | MSQ-RTAC66U                                  | N/A             | Unshielded, 1.8 m                                          |
| 3.   | iPod               | Apple         | A1285          | FCC DoC                                      | Shielded, 1.0 m | N/A                                                        |
| 4.   | Notebook           | DELL          | Latitude E6320 | FCC DoC/<br>Contains FCC ID:<br>QDS-BRCM1054 | N/A             | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 5.   | Notebook           | ASUS          | P2430U         | FCC DoC                                      | N/A             | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 6.   | SD Card            | SanDisk       | MicroSD HC     | FCC DoC                                      | N/A             | N/A                                                        |



## 2.5 EUT Operation Test Setup

The RF test items, utility “QRCT” 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.

For TXBF mode, the modulation modes and data rates manipulated by the command lines in the engineering program made the EUT link to another EUT by power under the normal operation. The “adb” software tool was used to enable the EUT to transmit signals continuously.

## 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.

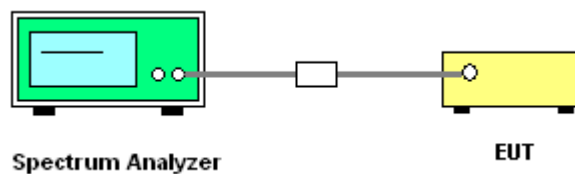
##### 3.1.2 Measuring Instruments

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



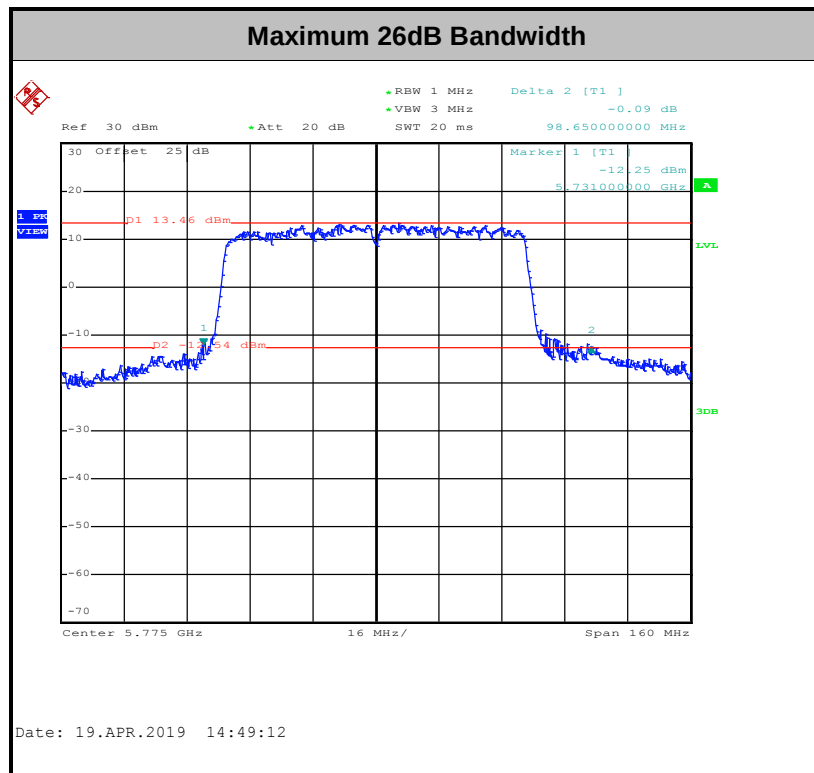
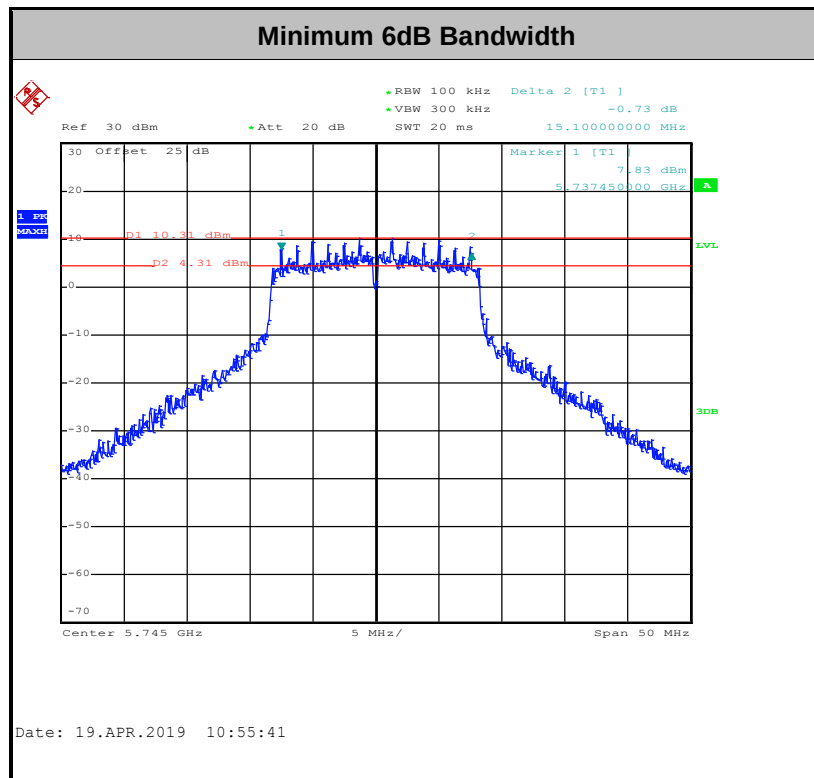


## 3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

|                 |          |                     |        |
|-----------------|----------|---------------------|--------|
| Test Engineer : | Kai Liao | Temperature :       | 21~25℃ |
|                 |          | Relative Humidity : | 51~54% |

## &lt;CDD Mode&gt;

| Band IV |           |     |     |             |                     |       |                      |       |                      |       |                                 |           |
|---------|-----------|-----|-----|-------------|---------------------|-------|----------------------|-------|----------------------|-------|---------------------------------|-----------|
| Mod.    | Data Rate | NTX | 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        | 16.75               | 17.25 | 24.70                | 28.20 | 15.50                | 15.80 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 1   | 157 | 5785        | 16.70               | 17.00 | 24.65                | 25.90 | 15.25                | 15.30 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 1   | 165 | 5825        | 16.95               | 16.95 | 27.35                | 25.40 | 15.40                | 15.30 | 0.5                             | Pass      |
| HT20    | MCS0      | 1   | 149 | 5745        | 18.05               | 18.00 | 29.15                | 28.30 | 16.50                | 15.70 | 0.5                             | Pass      |
| HT20    | MCS0      | 1   | 157 | 5785        | 18.05               | 18.10 | 28.50                | 27.75 | 16.50                | 16.50 | 0.5                             | Pass      |
| HT20    | MCS0      | 1   | 165 | 5825        | 18.05               | 18.00 | 27.15                | 26.50 | 16.50                | 16.15 | 0.5                             | Pass      |
| HT40    | MCS0      | 1   | 151 | 5755        | 36.80               | 36.60 | 42.12                | 41.94 | 35.10                | 35.37 | 0.5                             | Pass      |
| HT40    | MCS0      | 1   | 159 | 5795        | 37.20               | 36.80 | 61.38                | 42.12 | 35.01                | 34.92 | 0.5                             | Pass      |
| VHT80   | MCS0      | 1   | 155 | 5775        | 77.16               | 76.92 | 98.65                | 90.56 | 75.20                | 75.20 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 2   | 149 | 5745        | 17.10               | 16.90 | 28.20                | 26.00 | 15.50                | 15.10 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 2   | 157 | 5785        | 16.80               | 16.75 | 25.50                | 24.85 | 15.60                | 15.10 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 2   | 165 | 5825        | 16.95               | 16.90 | 25.15                | 25.65 | 15.70                | 15.75 | 0.5                             | Pass      |
| HT20    | MCS0      | 2   | 149 | 5745        | 18.30               | 18.05 | 29.25                | 28.55 | 16.16                | 16.15 | 0.5                             | Pass      |
| HT20    | MCS0      | 2   | 157 | 5785        | 18.00               | 17.90 | 25.80                | 25.00 | 16.75                | 16.30 | 0.5                             | Pass      |
| HT20    | MCS0      | 2   | 165 | 5825        | 20.75               | 19.20 | 38.75                | 29.00 | 16.50                | 15.65 | 0.5                             | Pass      |
| HT40    | MCS0      | 2   | 151 | 5755        | 36.70               | 36.70 | 42.30                | 42.30 | 35.01                | 35.10 | 0.5                             | Pass      |
| HT40    | MCS0      | 2   | 159 | 5795        | 36.70               | 37.00 | 42.48                | 47.88 | 35.10                | 35.01 | 0.5                             | Pass      |
| VHT80   | MCS0      | 2   | 155 | 5775        | 77.28               | 76.80 | 96.08                | 85.28 | 75.20                | 75.15 | 0.5                             | Pass      |



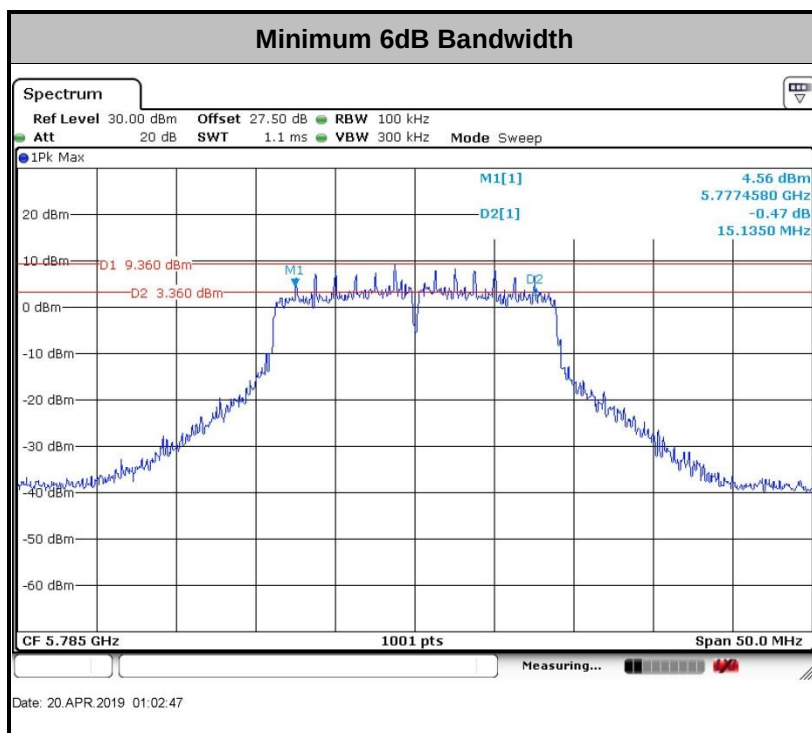


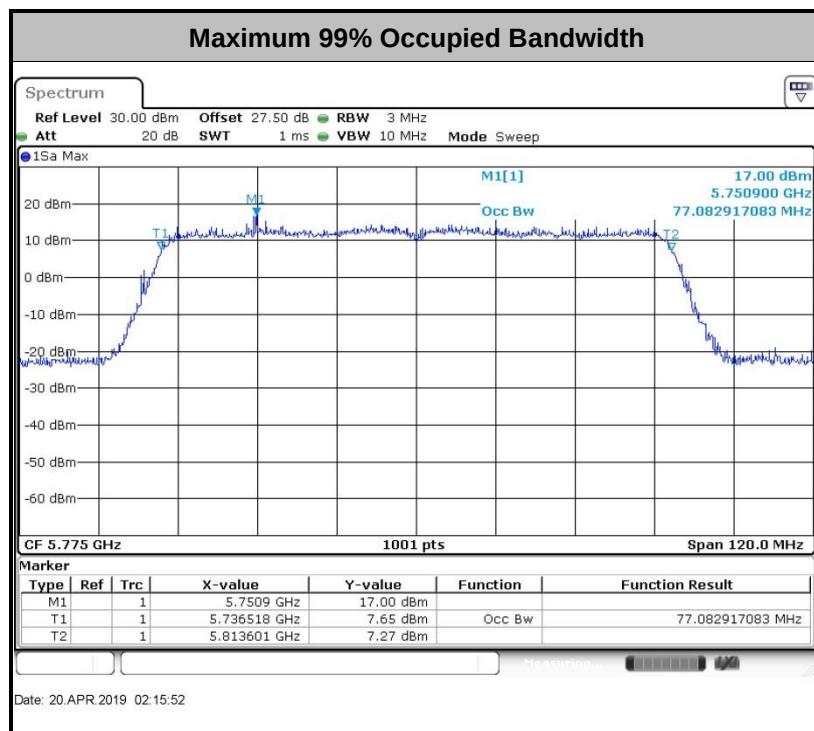
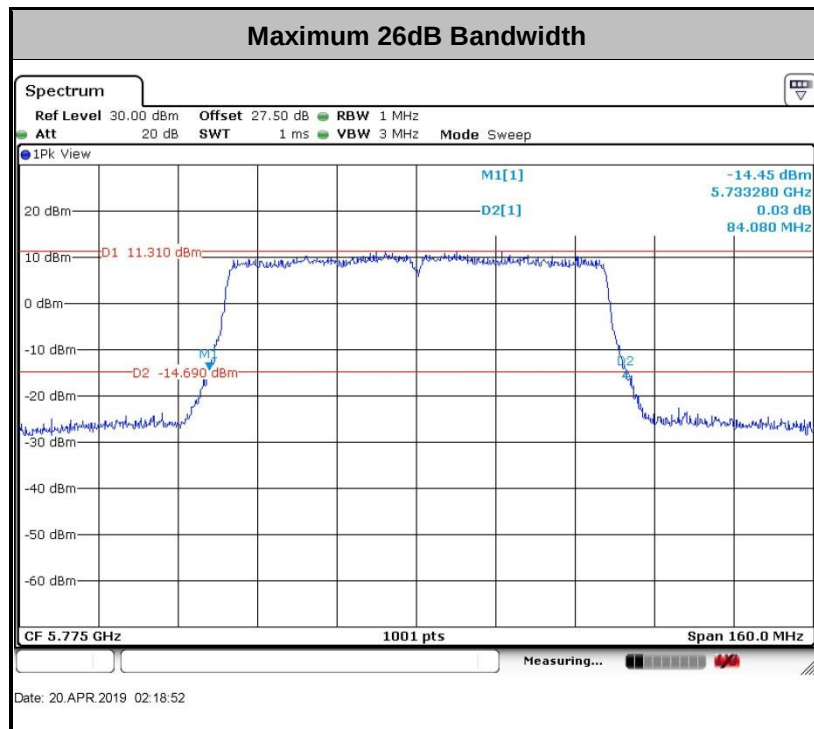
TEL : 886-3-327-3456  
FAX : 886-3-328-4978  
Report Template No.: BU5-FR15EWLB4 AC MA Version 2.4



## &lt;TXBF Modes&gt;

| Band IV |           |     |     |             |                     |       |                      |       |                      |       |                                 |           |
|---------|-----------|-----|-----|-------------|---------------------|-------|----------------------|-------|----------------------|-------|---------------------------------|-----------|
| Mod.    | Data Rate | NTX | 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 |                                 |           |
| VHT20   | MCS0      | 2   | 149 | 5745        | 17.93               | 17.83 | 26.27                | 25.62 | 16.53                | 16.28 | 0.5                             | Pass      |
| VHT20   | MCS0      | 2   | 157 | 5785        | 17.88               | 17.83 | 25.33                | 25.77 | 15.14                | 15.88 | 0.5                             | Pass      |
| VHT20   | MCS0      | 2   | 165 | 5825        | 17.83               | 17.83 | 24.38                | 24.73 | 15.14                | 15.68 | 0.5                             | Pass      |
| VHT40   | MCS0      | 2   | 151 | 5755        | 36.46               | 36.46 | 41.54                | 41.36 | 35.34                | 36.05 | 0.5                             | Pass      |
| VHT40   | MCS0      | 2   | 159 | 5795        | 36.56               | 36.46 | 41.72                | 41.27 | 35.34                | 35.69 | 0.5                             | Pass      |
| VHT80   | MCS0      | 2   | 155 | 5775        | 77.08               | 76.84 | 81.36                | 84.08 | 75.60                | 75.12 | 0.5                             | Pass      |





**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.

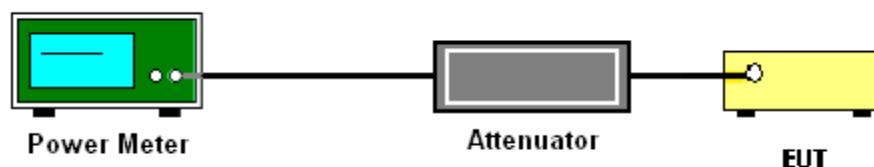
### 3.2.3 Test Procedures

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

|                 |          |                     |        |
|-----------------|----------|---------------------|--------|
| Test Engineer : | Kai Liao | Temperature :       | 21~25℃ |
|                 |          | Relative Humidity : | 51~54% |

## &lt;CDD Mode&gt;

| Band IV |           |     |     |             |                  |       |                               |       |     |                                 |       |          |       |           |
|---------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-----|---------------------------------|-------|----------|-------|-----------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |     | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|         |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| 11a     | 6Mbps     | 1   | 149 | 5745        | 0.00             | 0.00  | 20.30                         | 20.40 | -   | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| 11a     | 6Mbps     | 1   | 157 | 5785        | 0.00             | 0.00  | 21.00                         | 21.00 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| 11a     | 6Mbps     | 1   | 165 | 5825        | 0.00             | 0.00  | 21.20                         | 20.60 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| HT20    | MCS0      | 1   | 149 | 5745        | 0.00             | 0.00  | 20.80                         | 20.70 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| HT20    | MCS0      | 1   | 157 | 5785        | 0.00             | 0.00  | 20.30                         | 20.80 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| HT20    | MCS0      | 1   | 165 | 5825        | 0.00             | 0.00  | 20.60                         | 20.40 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| HT40    | MCS0      | 1   | 151 | 5755        | 0.00             | 0.00  | 20.80                         | 20.90 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| HT40    | MCS0      | 1   | 159 | 5795        | 0.00             | 0.00  | 20.60                         | 21.10 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| VHT20   | MCS0      | 1   | 149 | 5745        | 0.00             | 0.00  | 20.70                         | 20.60 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| VHT20   | MCS0      | 1   | 157 | 5785        | 0.00             | 0.00  | 20.20                         | 20.70 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| VHT20   | MCS0      | 1   | 165 | 5825        | 0.00             | 0.00  | 20.50                         | 20.30 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| VHT40   | MCS0      | 1   | 151 | 5755        | 0.00             | 0.00  | 20.70                         | 20.80 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| VHT40   | MCS0      | 1   | 159 | 5795        | 0.00             | 0.00  | 20.50                         | 21.00 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |
| VHT80   | MCS0      | 1   | 155 | 5775        | 0.00             | 0.00  | 21.00                         | 20.80 |     | 30.00                           | 30.00 | 2.40     | 4.40  | Pass      |



| Band IV |           |     |     |             |                  |       |                               |       |       |                                 |       |          |       |           |
|---------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|         |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| 11a     | 6Mbps     | 2   | 149 | 5745        | 0.00             | 0.00  | 20.60                         | 20.90 | 23.76 | 30.00                           |       | 4.40     |       | Pass      |
| 11a     | 6Mbps     | 2   | 157 | 5785        | 0.00             | 0.00  | 18.70                         | 19.30 | 22.02 | 30.00                           |       | 4.40     |       | Pass      |
| 11a     | 6Mbps     | 2   | 165 | 5825        | 0.00             | 0.00  | 20.30                         | 20.60 | 23.46 | 30.00                           |       | 4.40     |       | Pass      |
| HT20    | MCS0      | 2   | 149 | 5745        | 0.00             | 0.00  | 21.10                         | 21.20 | 24.16 | 30.00                           |       | 4.40     |       | Pass      |
| HT20    | MCS0      | 2   | 157 | 5785        | 0.00             | 0.00  | 18.10                         | 18.60 | 21.37 | 30.00                           |       | 4.40     |       | Pass      |
| HT20    | MCS0      | 2   | 165 | 5825        | 0.00             | 0.00  | 20.60                         | 20.90 | 23.76 | 30.00                           |       | 4.40     |       | Pass      |
| HT40    | MCS0      | 2   | 151 | 5755        | 0.00             | 0.00  | 20.70                         | 21.00 | 23.86 | 30.00                           |       | 4.40     |       | Pass      |
| HT40    | MCS0      | 2   | 159 | 5795        | 0.00             | 0.00  | 20.60                         | 21.20 | 23.92 | 30.00                           |       | 4.40     |       | Pass      |
| VHT20   | MCS0      | 2   | 149 | 5745        | 0.00             | 0.00  | 21.00                         | 21.10 | 24.06 | 30.00                           |       | 4.40     |       | Pass      |
| VHT20   | MCS0      | 2   | 157 | 5785        | 0.00             | 0.00  | 18.00                         | 18.50 | 21.27 | 30.00                           |       | 4.40     |       | Pass      |
| VHT20   | MCS0      | 2   | 165 | 5825        | 0.00             | 0.00  | 20.50                         | 20.80 | 23.66 | 30.00                           |       | 4.40     |       | Pass      |
| VHT40   | MCS0      | 2   | 151 | 5755        | 0.00             | 0.00  | 20.60                         | 20.90 | 23.76 | 30.00                           |       | 4.40     |       | Pass      |
| VHT40   | MCS0      | 2   | 159 | 5795        | 0.00             | 0.00  | 20.50                         | 21.10 | 23.82 | 30.00                           |       | 4.40     |       | Pass      |
| VHT80   | MCS0      | 2   | 155 | 5775        | 0.00             | 0.00  | 20.40                         | 20.70 | 23.56 | 30.00                           |       | 4.40     |       | Pass      |

**<TXBF Mode>**

| Band IV |           |     |     |             |                  |       |                               |       |       |                                 |       |          |       |           |
|---------|-----------|-----|-----|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|         |           |     |     |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| VHT20   | MCS0      | 2   | 149 | 5745        | 0.00             | 0.00  | 18.90                         | 19.00 | 21.96 | 29.53                           |       | 6.47     |       | Pass      |
| VHT20   | MCS0      | 2   | 157 | 5785        | 0.00             | 0.00  | 18.80                         | 19.20 | 22.01 | 29.53                           |       | 6.47     |       | Pass      |
| VHT20   | MCS0      | 2   | 165 | 5825        | 0.00             | 0.00  | 18.90                         | 19.20 | 22.06 | 29.53                           |       | 6.47     |       | Pass      |
| VHT40   | MCS0      | 2   | 151 | 5755        | 0.00             | 0.00  | 19.50                         | 19.70 | 22.61 | 29.53                           |       | 6.47     |       | Pass      |
| VHT40   | MCS0      | 2   | 159 | 5795        | 0.00             | 0.00  | 19.30                         | 19.80 | 22.57 | 29.53                           |       | 6.47     |       | Pass      |
| VHT80   | MCS0      | 2   | 155 | 5775        | 0.00             | 0.00  | 19.20                         | 19.40 | 22.31 | 29.53                           |       | 6.47     |       | Pass      |



### **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.

##### **<CDD Modes>**

##### **# 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.

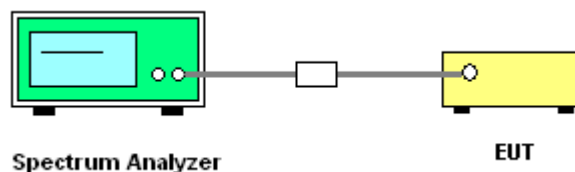
**<TXBF Modes>****# Method SA-3 #**

(power averaging (rms) detection with max hold):

- 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  $\leq$  (number of points in sweep)  $\times$  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.
  - Detector = power averaging (rms).
  - Trace mode = max hold.
  - Allow max hold to run for at least 60 seconds, or longer as needed to allow the trace to stabilize.
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**

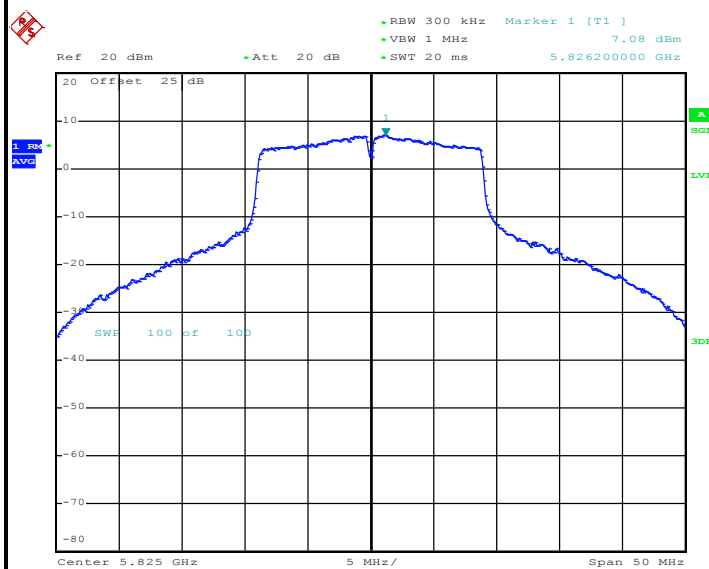


## 3.3.5 Test Result of Power Spectral Density

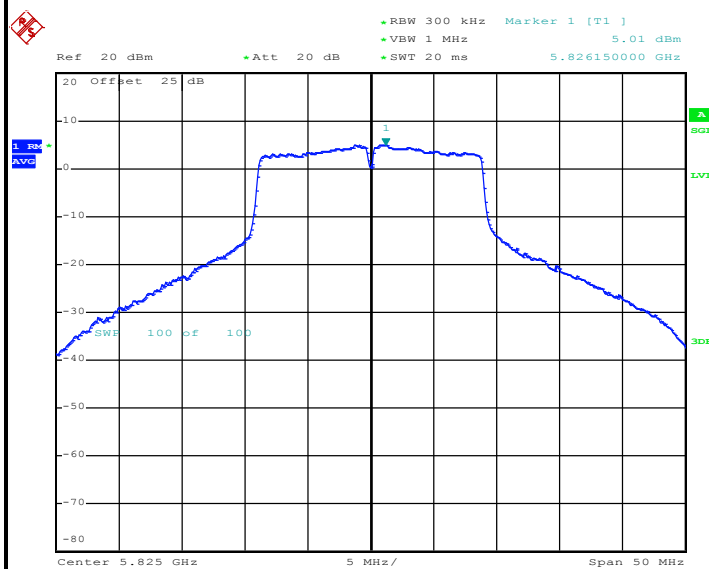
|                 |          |                     |        |
|-----------------|----------|---------------------|--------|
| Test Engineer : | Kai Liao | Temperature :       | 21~25℃ |
|                 |          | Relative Humidity : | 51~54% |

## &lt;CDD Modes&gt;

| Band IV |           |     |     |             |                  |       |                                 |       |                                    |       |       |                                |       |          |       |            |
|---------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|------------------------------------|-------|-------|--------------------------------|-------|----------|-------|------------|
| Mod.    | Data Rate | NTX | 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        | 0.23             | 0.22  | 2.22                            | 2.22  | 4.67                               | 8.10  |       | 30.00                          | 30.00 | 2.40     | 4.40  | Pass       |
| 11a     | 6Mbps     | 1   | 157 | 5785        | 0.23             | 0.22  | 2.22                            | 2.22  | 4.30                               | 7.05  |       | 30.00                          | 30.00 | 2.40     | 4.40  | Pass       |
| 11a     | 6Mbps     | 1   | 165 | 5825        | 0.23             | 0.22  | 2.22                            | 2.22  | 8.22                               | 6.63  |       | 30.00                          | 30.00 | 2.40     | 4.40  | Pass       |
| HT20    | MCS0      | 1   | 149 | 5745        | 0.25             | 0.24  | 2.22                            | 2.22  | 7.63                               | 6.75  |       | 30.00                          | 30.00 | 2.40     | 4.40  | Pass       |
| HT20    | MCS0      | 1   | 157 | 5785        | 0.25             | 0.24  | 2.22                            | 2.22  | 7.28                               | 6.78  |       | 30.00                          | 30.00 | 2.40     | 4.40  | Pass       |
| HT20    | MCS0      | 1   | 165 | 5825        | 0.25             | 0.24  | 2.22                            | 2.22  | 7.30                               | 6.34  |       | 30.00                          | 30.00 | 2.40     | 4.40  | Pass       |
| HT40    | MCS0      | 1   | 151 | 5755        | 0.35             | 0.37  | 2.22                            | 2.22  | 4.62                               | 3.71  |       | 30.00                          | 30.00 | 2.40     | 4.40  | Pass       |
| HT40    | MCS0      | 1   | 159 | 5795        | 0.35             | 0.37  | 2.22                            | 2.22  | 5.89                               | 3.67  |       | 30.00                          | 30.00 | 2.40     | 4.40  | Pass       |
| VHT80   | MCS0      | 1   | 155 | 5775        | 0.70             | 0.69  | 2.22                            | 2.22  | 1.93                               | 0.57  |       | 30.00                          | 30.00 | 2.40     | 4.40  | Pass       |
| 11a     | 6Mbps     | 2   | 149 | 5745        | 0.23             | 0.19  | 2.22                            |       | 7.88                               | 7.22  | 10.89 | 29.53                          |       | 6.47     |       | Pass       |
| 11a     | 6Mbps     | 2   | 157 | 5785        | 0.23             | 0.19  | 2.22                            |       | 5.70                               | 5.23  | 8.71  | 29.53                          |       | 6.47     |       | Pass       |
| 11a     | 6Mbps     | 2   | 165 | 5825        | 0.23             | 0.19  | 2.22                            |       | 7.25                               | 6.93  | 10.26 | 29.53                          |       | 6.47     |       | Pass       |
| HT20    | MCS0      | 2   | 149 | 5745        | 0.24             | 0.24  | 2.22                            |       | 7.65                               | 7.21  | 10.66 | 29.53                          |       | 6.47     |       | Pass       |
| HT20    | MCS0      | 2   | 157 | 5785        | 0.24             | 0.24  | 2.22                            |       | 4.55                               | 4.28  | 7.56  | 29.53                          |       | 6.47     |       | Pass       |
| HT20    | MCS0      | 2   | 165 | 5825        | 0.24             | 0.24  | 2.22                            |       | 9.54                               | 7.47  | 12.55 | 29.53                          |       | 6.47     |       | Pass       |
| HT40    | MCS0      | 2   | 151 | 5755        | 0.39             | 0.35  | 2.22                            |       | 4.62                               | 3.66  | 7.63  | 29.53                          |       | 6.47     |       | Pass       |
| HT40    | MCS0      | 2   | 159 | 5795        | 0.39             | 0.35  | 2.22                            |       | 4.32                               | 3.79  | 7.33  | 29.53                          |       | 6.47     |       | Pass       |
| VHT80   | MCS0      | 2   | 155 | 5775        | 0.68             | 0.65  | 2.22                            |       | 1.34                               | 0.50  | 4.35  | 29.53                          |       | 6.47     |       | Pass       |

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


Date: 19.APR.2019 12:31:09

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


Date: 19.APR.2019 12:36:07



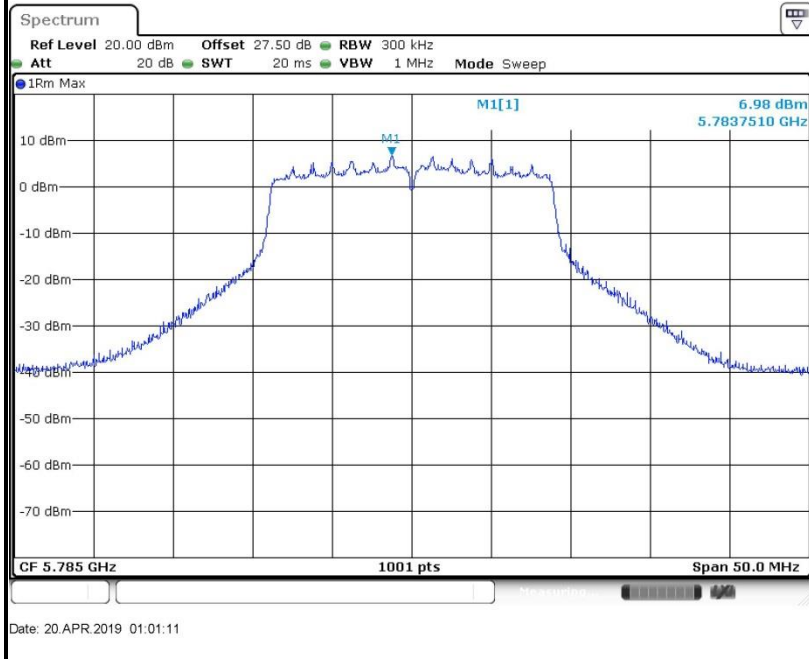


## &lt;TXBF Modes&gt;

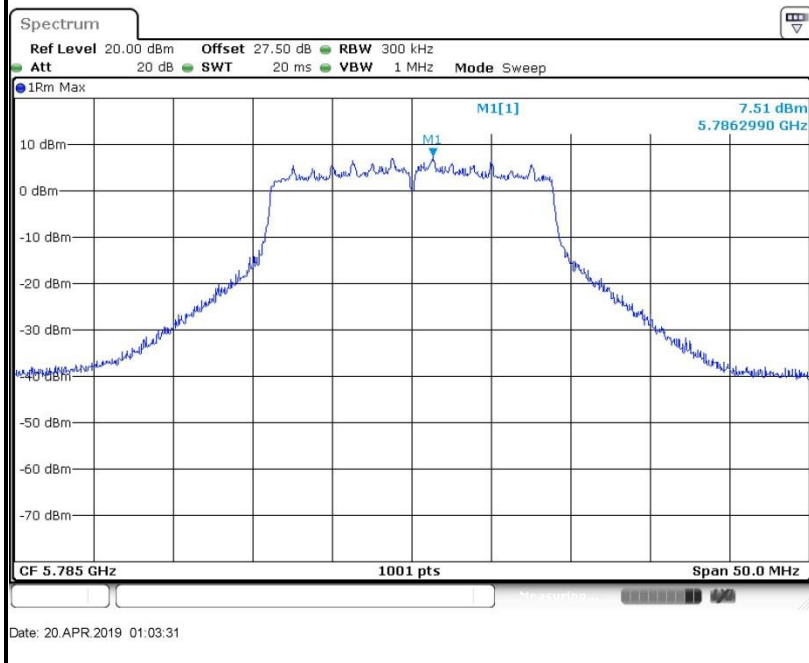
| Band IV |           |     |     |             |                  |       |                                 |       |                                    |       |       |                                |       |          |       |            |
|---------|-----------|-----|-----|-------------|------------------|-------|---------------------------------|-------|------------------------------------|-------|-------|--------------------------------|-------|----------|-------|------------|
| Mod.    | Data Rate | NTX | 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 |            |
| VHT20   | MCS0      | 2   | 149 | 5745        | 0.00             | 0.00  | 2.22                            | 9.18  | 9.40                               | 12.41 | 29.53 | 6.47                           | Pass  |          |       |            |
| VHT20   | MCS0      | 2   | 157 | 5785        | 0.00             | 0.00  | 2.22                            | 9.20  | 9.73                               | 12.74 | 29.53 | 6.47                           | Pass  |          |       |            |
| VHT20   | MCS0      | 2   | 165 | 5825        | 0.00             | 0.00  | 2.22                            | 8.97  | 9.52                               | 12.53 | 29.53 | 6.47                           | Pass  |          |       |            |
| VHT40   | MCS0      | 2   | 151 | 5755        | 0.00             | 0.00  | 2.22                            | 6.46  | 5.78                               | 9.47  | 29.53 | 6.47                           | Pass  |          |       |            |
| VHT40   | MCS0      | 2   | 159 | 5795        | 0.00             | 0.00  | 2.22                            | 5.81  | 6.65                               | 9.66  | 29.53 | 6.47                           | Pass  |          |       |            |
| VHT80   | MCS0      | 2   | 155 | 5775        | 0.00             | 0.00  | 2.22                            | 4.82  | 3.23                               | 7.83  | 29.53 | 6.47                           | Pass  |          |       |            |



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



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



### 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 ≥ 3 MHz
    - Detector = Peak
    - Sweep time = auto
    - Trace mode = max hold

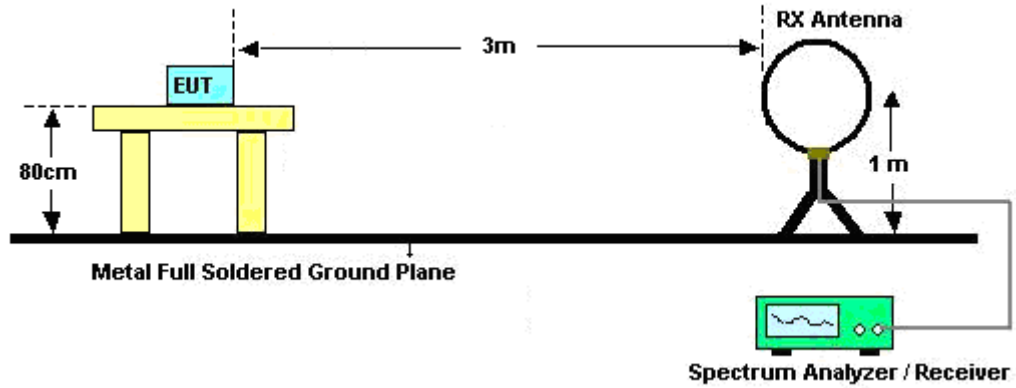


(3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

- 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.

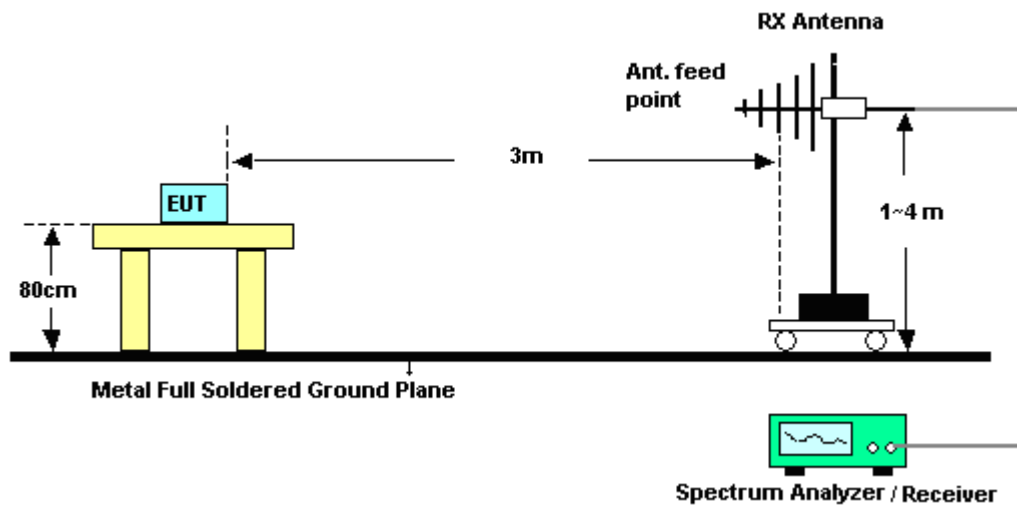
### 3.4.4 Test Setup

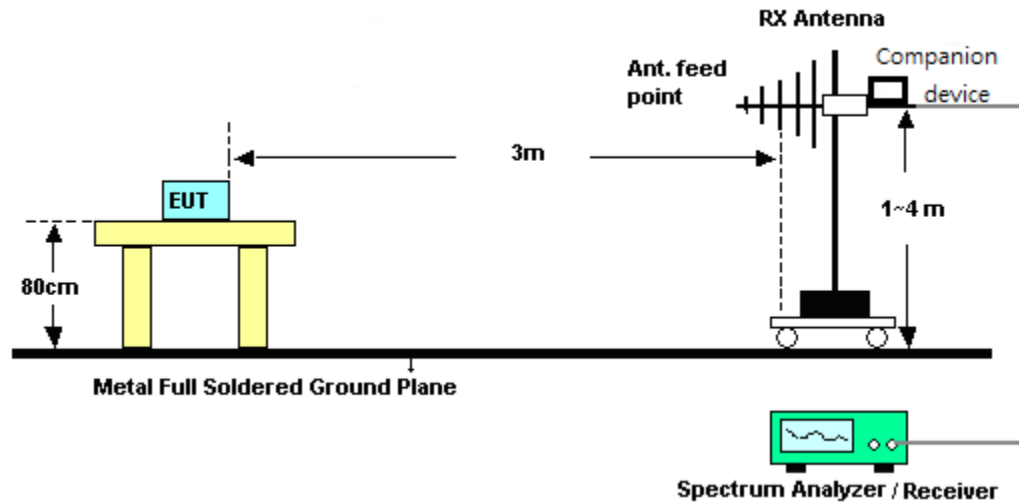
For radiated emissions below 30MHz



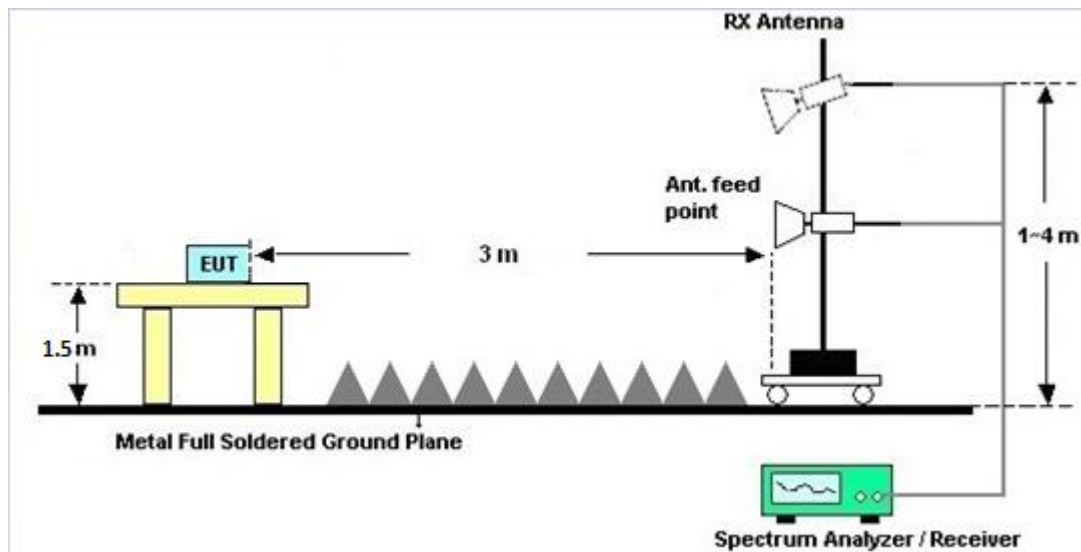
For radiated emissions from 30MHz to 1GHz

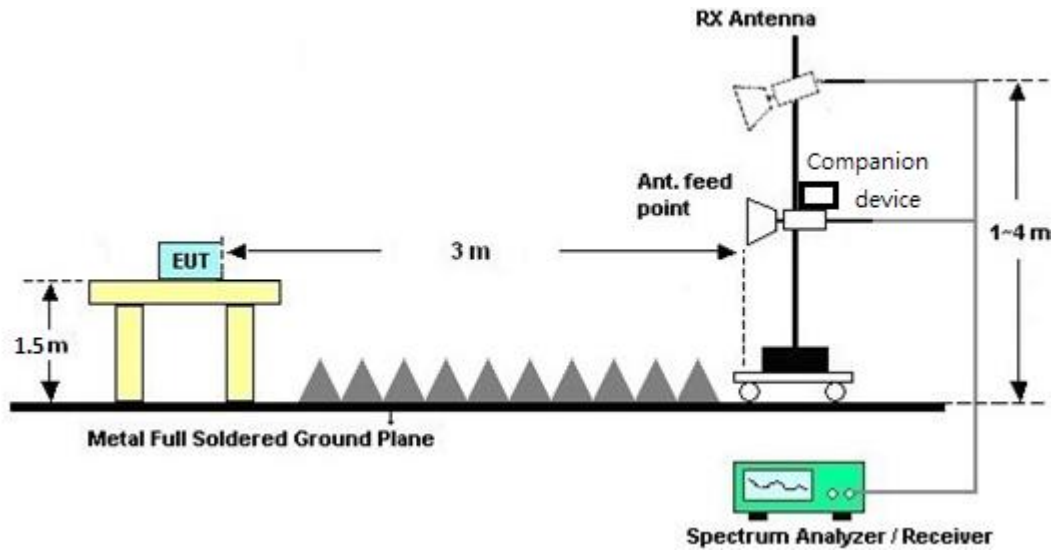
<CDD Mode>



**<TXBF Modes>**


For radiated emissions above 1GHz

**<CDD Mode>**


**<TXBF Modes>**

**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 B and C.

**3.4.7 Duty Cycle**

Please refer to Appendix D.

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

Please refer to Appendix B and C.



### 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.

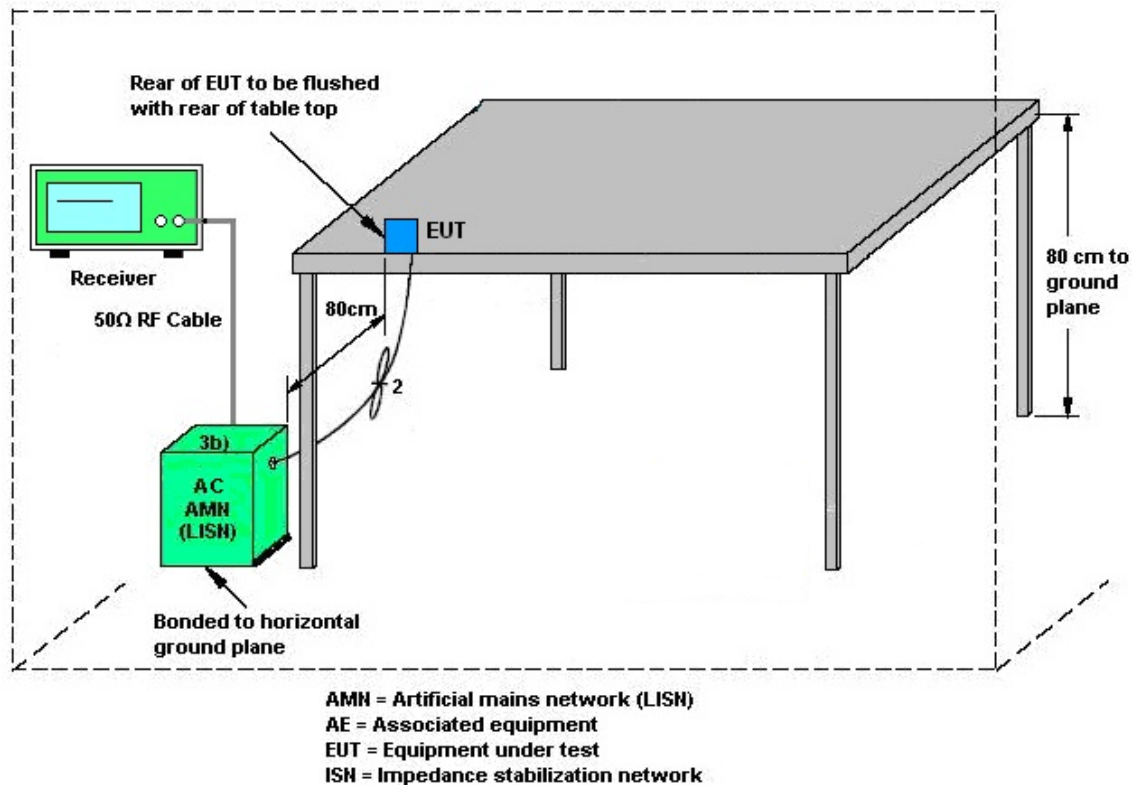
#### 3.5.2 Measuring Instruments

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 A.

## **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 Modes> |        |        |       |       |           |           |
|-------------|--------|--------|-------|-------|-----------|-----------|
|             |        |        | DG    | DG    | Power     | PSD       |
|             |        |        | for   | for   | Limit     | Limit     |
|             | Ant. 1 | Ant. 2 | Power | PSD   | Reduction | Reduction |
|             | (dBi)  | (dBi)  | (dBi) | (dBi) | (dB)      | (dB)      |
| Band IV     | 2.40   | 4.40   | 4.40  | 6.47  | 0.00      | 0.47      |

$Power\ Limit\ Reduction = DG(Power) - 6dBi, (min = 0)$

$PSD\ Limit\ Reduction = DG(PSD) - 6dBi, (min = 0)$

**TXBF modes**

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

$N_{SS}$  = the number of independent spatial streams of data;

$N_{ANT}$  = the total number of antennas

$g_{j,k} = 10^{G_k / 20}$  if the  $k$ th antenna is being fed by spatial stream  $j$ , or zero if it is not;  
 $G_k$  is the gain in dBi of the  $k$ th antenna.

The EUT supports beamforming for 802.11ac modes.

The directional gain calculation is following F)2)e)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.

|                |       |       | DG    | DG    | Power     | PSD       |
|----------------|-------|-------|-------|-------|-----------|-----------|
|                |       |       | for   | for   | Limit     | Limit     |
|                | Ant 1 | Ant 2 | Power | PSD   | Reduction | Reduction |
|                | (dBi) | (dBi) | (dBi) | (dBi) | (dB)      | (dB)      |
| <b>Band IV</b> | 2.40  | 4.40  | 6.47  | 6.47  | 0.47      | 0.47      |

$Power\ Limit\ Reduction = DG(Power) - 6dBi, (min = 0)$

$PSD\ Limit\ Reduction = DG(PSD) - 6dBi, (min = 0)$



## 4 List of Measuring Equipment

| Instrument            | Manufacturer      | Model No.                       | Serial No.            | Characteristics | Calibration Date | Test Date                       | Due Date      | Remark                   |
|-----------------------|-------------------|---------------------------------|-----------------------|-----------------|------------------|---------------------------------|---------------|--------------------------|
| Hygrometer            | Testo             | DTM-303A                        | TP157075              | N/A             | Nov. 05, 2018    | Feb. 21, 2019~<br>Apr. 23, 2019 | Nov. 04, 2019 | Conducted<br>(TH05-HY)   |
| Power Meter           | Anritsu           | ML2495A                         | 1132003               | N/A             | Aug. 16, 2018    | Feb. 21, 2019~<br>Apr. 23, 2019 | Aug. 15, 2019 | Conducted<br>(TH05-HY)   |
| Power Sensor          | DARE              | RadiPower                       | 15I00041S<br>NO09     | 10MHz~6GHz      | May 07, 2018     | Mar. 04, 2019~<br>Apr. 23, 2019 | May 06, 2019  | Conducted<br>(TH05-HY)   |
| Power Sensor          | Anritsu           | MA2411B                         | 1126017               | 300MHz~40GHz    | Aug. 16, 2018    | Feb. 21, 2019~<br>Apr. 23, 2019 | Aug. 15, 2019 | Conducted<br>(TH05-HY)   |
| Spectrum Analyzer     | Rohde & Schwarz   | FSP40                           | 100057                | 9kHz~40GHz      | Nov. 21, 2018    | Feb. 21, 2019~<br>Apr. 23, 2019 | Nov. 20, 2019 | Conducted<br>(TH05-HY)   |
| Spectrum Analyzer     | Rohde & Schwarz   | FSV 30                          | 100895                | 9kHz~30GHz      | Apr. 20, 2018    | Mar. 04, 2019~<br>Apr. 23, 2019 | Apr. 19, 2019 | Conducted<br>(TH05-HY)   |
| Switch Box & RF Cable | Burgeon           | ETF-058                         | EC130048<br>4         | N/A             | Apr. 17, 2018    | Feb. 21, 2019~<br>Apr. 15, 2019 | Apr. 16, 2019 | Conducted<br>(TH05-HY)   |
| Switch Box & RF Cable | Burgeon           | ETF-058                         | EC120838<br>2         | N/A             | Mar. 27, 2019    | Apr. 15, 2019~<br>Apr. 23, 2019 | Mar. 26, 2020 | Conducted<br>(TH05-HY)   |
| AC Power Source       | ChainTek          | APC-1000W                       | N/A                   | N/A             | N/A              | Mar. 12, 2019                   | N/A           | Conduction<br>(CO05-HY)  |
| EMI Test Receiver     | Rohde & Schwarz   | ESR3                            | 102388                | 9KHz~3.6GHz     | Nov. 12, 2018    | Mar. 12, 2019                   | Nov. 11, 2019 | Conduction<br>(CO05-HY)  |
| Hygrometer            | Testo             | 608-H1                          | 34913912              | N/A             | Mar. 15, 2018    | Mar. 12, 2019                   | Mar. 14, 2019 | Conduction<br>(CO05-HY)  |
| LISN                  | Rohde & Schwarz   | ENV216                          | 100080                | 9kHz~30MHz      | Nov. 14, 2018    | Mar. 12, 2019                   | Nov. 13, 2019 | Conduction<br>(CO05-HY)  |
| LISN                  | Rohde & Schwarz   | ENV216                          | 100081                | 9kHz~30MHz      | Nov. 09, 2018    | Mar. 12, 2019                   | Nov. 08, 2019 | Conduction<br>(CO05-HY)  |
| Software              | Rohde & Schwarz   | EMC32<br>V10.30                 | N/A                   | N/A             | N/A              | Mar. 12, 2019                   | N/A           | Conduction<br>(CO05-HY)  |
| LF Cable              | HUBER +<br>SUHNER | RG-214/U                        | LF01                  | N/A             | Dec. 31, 2018    | Mar. 12, 2019                   | Dec. 30, 2019 | Conduction<br>(CO05-HY)  |
| Pulse Limiter         | Rohde & Schwarz   | ESH3-Z2                         | 100851                | N/A             | Dec. 31, 2018    | Mar. 12, 2019                   | Dec. 30, 2019 | Conduction<br>(CO05-HY)  |
| Loop Antenna          | Rohde & Schwarz   | HFH2-Z2                         | 100488                | 9 kHz~30 MHz    | Jan. 07, 2019    | Mar. 21, 2019~<br>Apr. 03, 2019 | Jan. 06, 2020 | Radiation<br>(03CH15-HY) |
| Preamplifier          | EMEC              | EM18G40G                        | 060715                | 18GHz ~ 40GHz   | Dec. 06, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Dec. 05, 2019 | Radiation<br>(03CH15-HY) |
| Bilog Antenna         | TESEQ             | CBL6111D&0<br>0802N1D01N-<br>06 | 47020&06              | 30MHz to 1GHz   | Oct. 13, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Oct. 12, 2019 | Radiation<br>(03CH15-HY) |
| Horn Antenna          | SCHWARZBE<br>CK   | BBHA 9120D                      | 9120D-162<br>0        | 1G~18GHz        | Oct. 17, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Oct. 16, 2019 | Radiation<br>(03CH15-HY) |
| SHF-EHF Horn Antenna  | SCHWARZBE<br>CK   | BBHA 9170                       | BBHA9170<br>576       | 18GHz ~ 40GHz   | May 08, 2018     | Mar. 21, 2019~<br>Apr. 03, 2019 | May 07, 2019  | Radiation<br>(03CH15-HY) |
| Amplifier             | SONOMA            | 310N                            | 363440                | 9kHz~1GHz       | Dec. 28, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Dec. 27, 2019 | Radiation<br>(03CH15-HY) |
| Preamplifier          | Jet-Power         | JPA0118-55-3<br>03              | 171000180<br>00550006 | 1GHz~18GHz      | Jul. 10, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Jul. 09, 2019 | Radiation<br>(03CH15-HY) |



| Instrument        | Manufacturer      | Model No.                            | Serial No.                    | Characteristics                  | Calibration Date | Test Date                       | Due Date      | Remark                   |
|-------------------|-------------------|--------------------------------------|-------------------------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| Preamplifier      | Keysight          | 83017A                               | MY53270195                    | 1GHz~26.5GHz                     | Aug. 23, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Aug. 22, 2019 | Radiation<br>(03CH15-HY) |
| EMI Test Receiver | Keysight          | N9038A<br>(MXE)                      | MY54130085                    | 20Hz ~ 8.4GHz                    | Nov. 01, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Oct. 31, 2019 | Radiation<br>(03CH15-HY) |
| Spectrum Analyzer | Agilent           | E4446A                               | MY50180136                    | 3Hz~44GHz                        | Apr. 25, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Apr. 24, 2019 | Radiation<br>(03CH15-HY) |
| Controller        | ChainTek          | 3000-1                               | N/A                           | Control Turn<br>table & Ant Mast | N/A              | Mar. 21, 2019~<br>Apr. 03, 2019 | N/A           | Radiation<br>(03CH15-HY) |
| Antenna Mast      | ChainTek          | MBS-520-1                            | N/A                           | 1m~4m                            | N/A              | Mar. 21, 2019~<br>Apr. 03, 2019 | N/A           | Radiation<br>(03CH15-HY) |
| Turn Table        | ChainTek          | T-200-S-1                            | N/A                           | 0~360 Degree                     | N/A              | Mar. 21, 2019~<br>Apr. 03, 2019 | N/A           | Radiation<br>(03CH15-HY) |
| Software          | Audix             | E3<br>6.2009-8-24                    | RK-000451                     | N/A                              | N/A              | Mar. 21, 2019~<br>Apr. 03, 2019 | N/A           | Radiation<br>(03CH15-HY) |
| RF Cable          | HUBER +<br>SUHNER | SUCOFLEX<br>104                      | MY36980/<br>4                 | 30M-18G                          | Apr. 16, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Apr. 15, 2019 | Radiation<br>(03CH15-HY) |
| RF Cable          | HUBER +<br>SUHNER | SUCOFLEX<br>104                      | MY9838/4                      | 30M-18G                          | Apr. 16, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Apr. 15, 2019 | Radiation<br>(03CH15-HY) |
| RF Cable          | HUBER +<br>SUHNER | MTJ                                  | 000000-M<br>T18A-100<br>D3210 | 30M-18G                          | Apr. 16, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Apr. 15, 2019 | Radiation<br>(03CH15-HY) |
| RF Cable          | HUBER +<br>SUHNER | SUCOFLEX<br>102                      | MY2859/2                      | 30MHz-40GHz                      | Mar. 13, 2019    | Mar. 21, 2019~<br>Apr. 03, 2019 | Mar. 12, 2020 | Radiation<br>(03CH15-HY) |
| RF Cable          | HUBER +<br>SUHNER | SUCOFLEX<br>102                      | MY4274/2                      | 30MHz-40GHz                      | Mar. 13, 2019    | Mar. 21, 2019~<br>Apr. 03, 2019 | Mar. 12, 2020 | Radiation<br>(03CH15-HY) |
| Filter            | Wainwright        | WHKX8-5872.<br>5-6750-18000<br>-40ST | SN3                           | 6.75 GHz<br>Highpass             | Sep. 16, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Sep. 15, 2019 | Radiation<br>(03CH15-HY) |
| Filter            | Wainwright        | WLK4-1000-1<br>530-8000-40S<br>S     | SN11                          | 1G Low Pass                      | Sep. 16, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Sep. 15, 2019 | Radiation<br>(03CH15-HY) |
| Filter            | Wainwright        | WHKX12-270<br>0-3000-18000<br>-60ST  | SN1                           | 3 GHz Highpass                   | Sep. 16, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Sep. 15, 2019 | Radiation<br>(03CH15-HY) |
| Hygrometer        | TECPEL            | DTM-302                              | SN1                           | N/A                              | Jul. 22, 2018    | Mar. 21, 2019~<br>Apr. 03, 2019 | Jul. 21, 2019 | Radiation<br>(03CH15-HY) |



## 5 Uncertainty of Evaluation

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

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

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

|                                                                            |      |
|----------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of<br>95% ( $U = 2Uc(y)$ ) | 5.20 |
|----------------------------------------------------------------------------|------|

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

|                                                                            |      |
|----------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of<br>95% ( $U = 2Uc(y)$ ) | 5.50 |
|----------------------------------------------------------------------------|------|

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

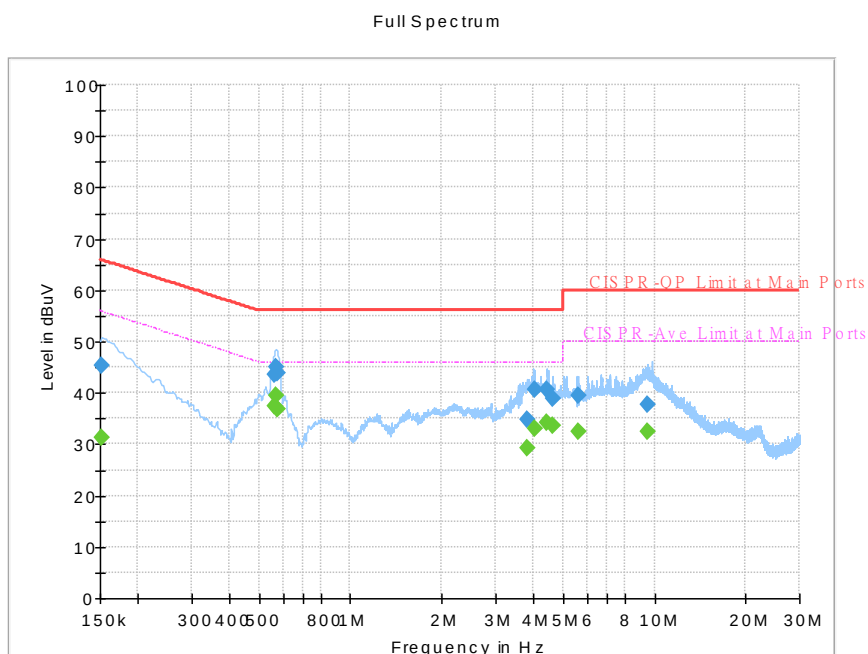
|                                                                            |      |
|----------------------------------------------------------------------------|------|
| Measuring Uncertainty for a Level of Confidence of<br>95% ( $U = 2Uc(y)$ ) | 5.20 |
|----------------------------------------------------------------------------|------|





## Appendix A. AC Conducted Emission Test Results

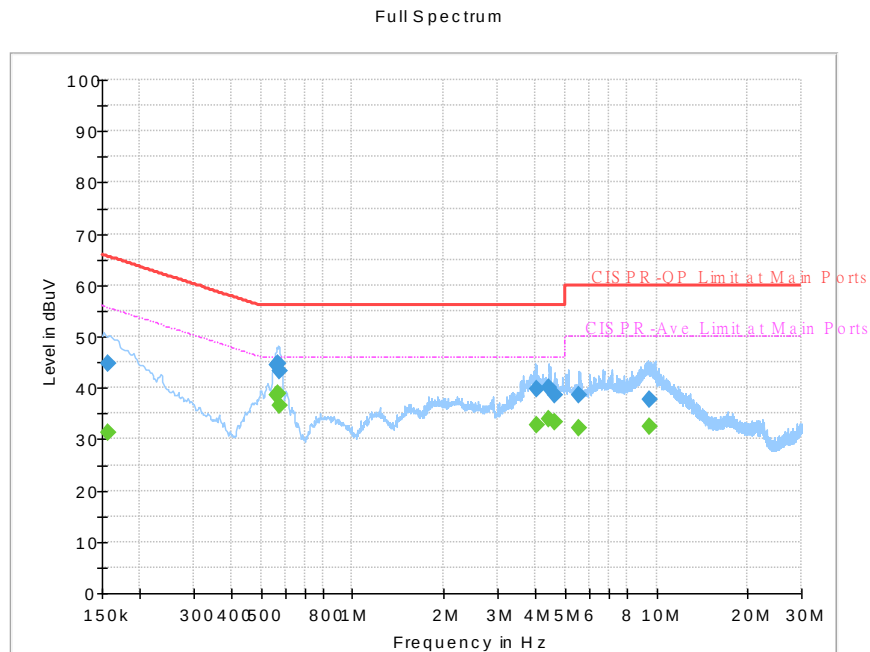
|                 |               |                     |        |
|-----------------|---------------|---------------------|--------|
| Test Engineer : | Rick Lin      | Temperature :       | 22~24℃ |
|                 |               | Relative Humidity : | 55~58% |
| Test Voltage :  | 120Vac / 60Hz | Phase :             | Line   |



### Final Result :

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250        | ---              | 31.40           | 55.88        | 24.48       | L1   | OFF    | 19.5       |
| 0.152250        | 45.22            | ---             | 65.88        | 20.66       | L1   | OFF    | 19.5       |
| 0.559500        | ---              | 37.28           | 46.00        | 8.72        | L1   | OFF    | 19.5       |
| 0.559500        | 43.65            | ---             | 56.00        | 12.35       | L1   | OFF    | 19.5       |
| 0.568500        | ---              | 39.49           | 46.00        | 6.51        | L1   | OFF    | 19.5       |
| 0.568500        | 45.06            | ---             | 56.00        | 10.94       | L1   | OFF    | 19.5       |
| 0.577500        | ---              | 36.92           | 46.00        | 9.08        | L1   | OFF    | 19.5       |
| 0.577500        | 43.75            | ---             | 56.00        | 12.25       | L1   | OFF    | 19.5       |
| 3.817500        | ---              | 29.11           | 46.00        | 16.89       | L1   | OFF    | 19.6       |
| 3.817500        | 34.78            | ---             | 56.00        | 21.22       | L1   | OFF    | 19.6       |
| 4.020000        | ---              | 32.97           | 46.00        | 13.03       | L1   | OFF    | 19.6       |
| 4.020000        | 40.62            | ---             | 56.00        | 15.38       | L1   | OFF    | 19.6       |
| 4.443000        | ---              | 34.35           | 46.00        | 11.65       | L1   | OFF    | 19.6       |
| 4.443000        | 40.59            | ---             | 56.00        | 15.41       | L1   | OFF    | 19.6       |
| 4.638750        | ---              | 33.69           | 46.00        | 12.31       | L1   | OFF    | 19.6       |
| 4.638750        | 38.81            | ---             | 56.00        | 17.19       | L1   | OFF    | 19.6       |
| 5.588250        | ---              | 32.52           | 50.00        | 17.48       | L1   | OFF    | 19.6       |
| 5.588250        | 39.34            | ---             | 60.00        | 20.66       | L1   | OFF    | 19.6       |
| 9.456000        | ---              | 32.55           | 50.00        | 17.45       | L1   | OFF    | 19.7       |
| 9.456000        | 37.81            | ---             | 60.00        | 22.19       | L1   | OFF    | 19.7       |

|                        |               |                            |         |
|------------------------|---------------|----------------------------|---------|
| <b>Test Engineer :</b> | Rick Lin      | <b>Temperature :</b>       | 22~24℃  |
|                        |               | <b>Relative Humidity :</b> | 55~58%  |
| <b>Test Voltage :</b>  | 120Vac / 60Hz | <b>Phase :</b>             | Neutral |


**Final Result :**

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.156750        | ---              | 31.40           | 55.63        | 24.23       | N    | OFF    | 19.5       |
| 0.156750        | 44.82            | ---             | 65.63        | 20.81       | N    | OFF    | 19.5       |
| 0.564000        | ---              | 38.71           | 46.00        | 7.29        | N    | OFF    | 19.5       |
| 0.564000        | 44.47            | ---             | 56.00        | 11.53       | N    | OFF    | 19.5       |
| 0.570750        | ---              | 38.88           | 46.00        | 7.12        | N    | OFF    | 19.5       |
| 0.570750        | 44.72            | ---             | 56.00        | 11.28       | N    | OFF    | 19.5       |
| 0.577500        | ---              | 36.57           | 46.00        | 9.43        | N    | OFF    | 19.5       |
| 0.577500        | 43.41            | ---             | 56.00        | 12.59       | N    | OFF    | 19.5       |
| 4.017750        | ---              | 32.89           | 46.00        | 13.11       | N    | OFF    | 19.6       |
| 4.017750        | 39.89            | ---             | 56.00        | 16.11       | N    | OFF    | 19.6       |
| 4.443000        | ---              | 34.06           | 46.00        | 11.94       | N    | OFF    | 19.6       |
| 4.443000        | 40.18            | ---             | 56.00        | 15.82       | N    | OFF    | 19.6       |
| 4.641000        | ---              | 33.22           | 46.00        | 12.78       | N    | OFF    | 19.6       |
| 4.641000        | 38.61            | ---             | 56.00        | 17.39       | N    | OFF    | 19.6       |
| 5.559000        | ---              | 32.16           | 50.00        | 17.84       | N    | OFF    | 19.6       |
| 5.559000        | 38.74            | ---             | 60.00        | 21.26       | N    | OFF    | 19.6       |
| 9.456000        | ---              | 32.41           | 50.00        | 17.59       | N    | OFF    | 19.7       |
| 9.456000        | 37.72            | ---             | 60.00        | 22.28       | N    | OFF    | 19.7       |



## Appendix B. Radiated Spurious Emission

|                 |                                    |                     |         |
|-----------------|------------------------------------|---------------------|---------|
| Test Engineer : | Watt Tseng 、Karl Hou 、BigShow Wang | Temperature :       | 24~26°C |
|                 |                                    | Relative Humidity : | 52~57%  |

&lt;CDD 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 | Preampl 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 |      | 5604.4    | 49.84      | -18.36     | 68.2       | 39.09      | 31.8           | 9.16      | 30.21          | 214     | 27        | P         | H       |
|                              |      | 5698.6    | 57.33      | -46.84     | 104.17     | 46.45      | 31.8           | 9.33      | 30.25          | 214     | 27        | P         | H       |
|                              |      | 5716      | 75.67      | -34.01     | 109.68     | 64.7       | 31.87          | 9.36      | 30.26          | 214     | 27        | P         | H       |
|                              |      | 5724.6    | 81.17      | -40.12     | 121.29     | 70.12      | 31.93          | 9.38      | 30.26          | 214     | 27        | P         | H       |
|                              | *    | 5745      | 108.2      | -          | -          | 97.05      | 32             | 9.42      | 30.27          | 214     | 27        | P         | H       |
|                              | *    | 5745      | 100.39     | -          | -          | 89.24      | 32             | 9.42      | 30.27          | 214     | 27        | A         | H       |
|                              |      |           |            |            |            |            |                |           |                |         |           |           | H       |
|                              |      |           |            |            |            |            |                |           |                |         |           |           | H       |
|                              |      | 5640.8    | 52.48      | -15.72     | 68.2       | 41.74      | 31.73          | 9.23      | 30.22          | 222     | 116       | P         | V       |
|                              |      | 5699.8    | 67.16      | -37.89     | 105.05     | 56.28      | 31.8           | 9.33      | 30.25          | 222     | 116       | P         | V       |
|                              |      | 5717.8    | 84.9       | -25.28     | 110.18     | 73.86      | 31.93          | 9.37      | 30.26          | 222     | 116       | P         | V       |
|                              |      | 5724.8    | 91.16      | -30.58     | 121.74     | 80.11      | 31.93          | 9.38      | 30.26          | 222     | 116       | P         | V       |
|                              | *    | 5745      | 117.54     | -          | -          | 106.39     | 32             | 9.42      | 30.27          | 222     | 116       | P         | V       |
|                              | *    | 5745      | 109.8      | -          | -          | 98.65      | 32             | 9.42      | 30.27          | 222     | 116       | 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 |      | 5648.2               | 50.01               | -18.19                  | 68.2                        | 39.26                     | 31.73                         | 9.24                   | 30.22                      | 211                  | 25                      | P                       | H               |
|                              |      | 5684.4               | 50.86               | -42.83                  | 93.69                       | 40                        | 31.8                          | 9.31                   | 30.25                      | 211                  | 25                      | P                       | H               |
|                              |      | 5719.8               | 50.74               | -60                     | 110.74                      | 39.7                      | 31.93                         | 9.37                   | 30.26                      | 211                  | 25                      | P                       | H               |
|                              |      | 5723.2               | 50.16               | -67.94                  | 118.1                       | 39.11                     | 31.93                         | 9.38                   | 30.26                      | 211                  | 25                      | P                       | H               |
|                              | *    | 5785                 | 106.43              | -                       | -                           | 95.11                     | 32.13                         | 9.49                   | 30.3                       | 211                  | 25                      | P                       | H               |
|                              | *    | 5785                 | 99.01               | -                       | -                           | 87.69                     | 32.13                         | 9.49                   | 30.3                       | 211                  | 25                      | A                       | H               |
|                              |      | 5854.4               | 50.29               | -61.88                  | 112.17                      | 38.81                     | 32.23                         | 9.58                   | 30.33                      | 211                  | 25                      | P                       | H               |
|                              |      | 5869.8               | 51.19               | -55.46                  | 106.65                      | 39.7                      | 32.23                         | 9.6                    | 30.34                      | 211                  | 25                      | P                       | H               |
|                              |      | 5885.4               | 50.67               | -46.81                  | 97.48                       | 39.14                     | 32.27                         | 9.62                   | 30.36                      | 211                  | 25                      | P                       | H               |
|                              |      | 5935                 | 51.94               | -16.26                  | 68.2                        | 40.27                     | 32.37                         | 9.68                   | 30.38                      | 211                  | 25                      | P                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5612                 | 50.49               | -17.71                  | 68.2                        | 39.73                     | 31.8                          | 9.17                   | 30.21                      | 240                  | 133                     | P                       | V               |
|                              |      | 5687.8               | 51.45               | -44.75                  | 96.2                        | 40.59                     | 31.8                          | 9.31                   | 30.25                      | 240                  | 133                     | P                       | V               |
|                              |      | 5720                 | 52.73               | -58.07                  | 110.8                       | 41.69                     | 31.93                         | 9.37                   | 30.26                      | 240                  | 133                     | P                       | V               |
|                              |      | 5724.6               | 53.01               | -68.28                  | 121.29                      | 41.96                     | 31.93                         | 9.38                   | 30.26                      | 240                  | 133                     | P                       | V               |
|                              | *    | 5785                 | 115.59              | -                       | -                           | 104.27                    | 32.13                         | 9.49                   | 30.3                       | 240                  | 133                     | P                       | V               |
|                              | *    | 5785                 | 108.21              | -                       | -                           | 96.89                     | 32.13                         | 9.49                   | 30.3                       | 240                  | 133                     | A                       | V               |
|                              |      | 5852.6               | 53.05               | -63.22                  | 116.27                      | 41.6                      | 32.2                          | 9.58                   | 30.33                      | 240                  | 133                     | P                       | V               |
|                              |      | 5856.8               | 53.42               | -56.88                  | 110.3                       | 41.93                     | 32.23                         | 9.59                   | 30.33                      | 240                  | 133                     | P                       | V               |
|                              |      | 5919.8               | 52.32               | -19.71                  | 72.03                       | 40.7                      | 32.33                         | 9.66                   | 30.37                      | 240                  | 133                     | P                       | V               |
|                              |      | 5931.4               | 51.5                | -16.7                   | 68.2                        | 39.83                     | 32.37                         | 9.67                   | 30.37                      | 240                  | 133                     | 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 ) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 165<br>5825MHz                                                                                                                                | *    | 5825                 | 108.43              | -                       | -                           | 97                        | 32.2                          | 9.55                   | 30.32                      | 224                  | 28                      | P                       | H               |
|                                                                                                                                                             | *    | 5825                 | 100.91              | -                       | -                           | 89.48                     | 32.2                          | 9.55                   | 30.32                      | 224                  | 28                      | A                       | H               |
|                                                                                                                                                             |      | 5850                 | 69.12               | -53.08                  | 122.2                       | 57.67                     | 32.2                          | 9.58                   | 30.33                      | 224                  | 28                      | P                       | H               |
|                                                                                                                                                             |      | 5855.2               | 62.51               | -48.23                  | 110.74                      | 51.03                     | 32.23                         | 9.58                   | 30.33                      | 224                  | 28                      | P                       | H               |
|                                                                                                                                                             |      | 5877.2               | 53.16               | -50.41                  | 103.57                      | 41.62                     | 32.27                         | 9.61                   | 30.34                      | 224                  | 28                      | P                       | H               |
|                                                                                                                                                             |      | 5940.4               | 51.34               | -16.86                  | 68.2                        | 39.64                     | 32.4                          | 9.68                   | 30.38                      | 224                  | 28                      | P                       | H               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                                                                                                             |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                                                                                                             | *    | 5825                 | 117.78              | -                       | -                           | 106.35                    | 32.2                          | 9.55                   | 30.32                      | 247                  | 132                     | P                       | V               |
|                                                                                                                                                             | *    | 5825                 | 109.88              | -                       | -                           | 98.45                     | 32.2                          | 9.55                   | 30.32                      | 247                  | 132                     | A                       | V               |
|                                                                                                                                                             |      | 5850.6               | 80.41               | -40.42                  | 120.83                      | 68.96                     | 32.2                          | 9.58                   | 30.33                      | 247                  | 132                     | P                       | V               |
|                                                                                                                                                             |      | 5855.2               | 73.18               | -37.56                  | 110.74                      | 61.7                      | 32.23                         | 9.58                   | 30.33                      | 247                  | 132                     | P                       | V               |
|                                                                                                                                                             |      | 5877.8               | 60.72               | -42.4                   | 103.12                      | 49.18                     | 32.27                         | 9.61                   | 30.34                      | 247                  | 132                     | P                       | V               |
|                                                                                                                                                             |      | 5944.6               | 52.03               | -16.17                  | 68.2                        | 40.32                     | 32.4                          | 9.69                   | 30.38                      | 247                  | 132                     | 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<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 149<br/>5745MHz</b> |                                                                                             | 11490                | 56.45               | -17.55                  | 74                          | 63.38                     | 40.17                         | 13.92                  | 61.02                      | 302                  | 298                     | P                       | H               |
|                                       |                                                                                             | 11490                | 47.45               | -6.55                   | 54                          | 54.38                     | 40.17                         | 13.92                  | 61.02                      | 302                  | 298                     | A                       | H               |
|                                       |                                                                                             | 17235                | 49.15               | -19.05                  | 68.2                        | 50.09                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             | 11490                | 57.8                | -16.2                   | 74                          | 64.73                     | 40.17                         | 13.92                  | 61.02                      | 306                  | 8                       | P                       | V               |
|                                       |                                                                                             | 11490                | 48.56               | -5.44                   | 54                          | 55.49                     | 40.17                         | 13.92                  | 61.02                      | 306                  | 8                       | A                       | V               |
|                                       |                                                                                             | 17235                | 49.71               | -18.49                  | 68.2                        | 50.65                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>802.11a<br/>CH 157<br/>5785MHz</b> |                                                                                             | 11570                | 49.61               | -24.39                  | 74                          | 56.6                      | 40                            | 13.95                  | 60.94                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             | 17355                | 49.73               | -18.47                  | 68.2                        | 49.64                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             | 11570                | 49.69               | -24.31                  | 74                          | 56.68                     | 40                            | 13.95                  | 60.94                      | 100                  | 0                       | P                       | V               |
|                                       |                                                                                             | 17355                | 50.01               | -18.19                  | 68.2                        | 49.92                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>802.11a<br/>CH 165<br/>5825MHz</b> |                                                                                             | 11650                | 55.79               | -18.21                  | 74                          | 63.03                     | 39.66                         | 13.98                  | 60.88                      | 276                  | 339                     | P                       | H               |
|                                       |                                                                                             | 11650                | 46.4                | -7.6                    | 54                          | 53.64                     | 39.66                         | 13.98                  | 60.88                      | 276                  | 339                     | A                       | H               |
|                                       |                                                                                             | 17475                | 49.95               | -18.25                  | 68.2                        | 48.56                     | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             | 11650                | 57.12               | -16.88                  | 74                          | 64.36                     | 39.66                         | 13.98                  | 60.88                      | 300                  | 9                       | P                       | V               |
|                                       |                                                                                             | 11650                | 47.5                | -6.5                    | 54                          | 54.74                     | 39.66                         | 13.98                  | 60.88                      | 300                  | 9                       | A                       | V               |
|                                       |                                                                                             | 17475                | 50.39               | -17.81                  | 68.2                        | 49                        | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | 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 802.11n HT20 (Band Edge @ 3m)

| 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 149<br>5745MHz |      | 5636.8               | 49.77               | -18.43                  | 68.2                        | 39.04                     | 31.73                         | 9.22                   | 30.22                      | 226                  | 26                      | P                       | H               |
|                                      |      | 5699.6               | 60.26               | -44.65                  | 104.91                      | 49.38                     | 31.8                          | 9.33                   | 30.25                      | 226                  | 26                      | P                       | H               |
|                                      |      | 5720                 | 76.46               | -34.34                  | 110.8                       | 65.42                     | 31.93                         | 9.37                   | 30.26                      | 226                  | 26                      | P                       | H               |
|                                      |      | 5723.6               | 83.57               | -35.44                  | 119.01                      | 72.52                     | 31.93                         | 9.38                   | 30.26                      | 226                  | 26                      | P                       | H               |
|                                      | *    | 5745                 | 108.87              | -                       | -                           | 97.72                     | 32                            | 9.42                   | 30.27                      | 226                  | 26                      | P                       | H               |
|                                      | *    | 5745                 | 100.22              | -                       | -                           | 89.07                     | 32                            | 9.42                   | 30.27                      | 226                  | 26                      | A                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5640.6               | 50.59               | -17.61                  | 68.2                        | 39.85                     | 31.73                         | 9.23                   | 30.22                      | 222                  | 115                     | P                       | V               |
|                                      |      | 5699                 | 68.92               | -35.54                  | 104.46                      | 58.04                     | 31.8                          | 9.33                   | 30.25                      | 222                  | 115                     | P                       | V               |
|                                      |      | 5720                 | 86.79               | -24.01                  | 110.8                       | 75.75                     | 31.93                         | 9.37                   | 30.26                      | 222                  | 115                     | P                       | V               |
|                                      |      | 5725                 | 93.87               | -28.33                  | 122.2                       | 82.82                     | 31.93                         | 9.38                   | 30.26                      | 222                  | 115                     | P                       | V               |
|                                      | *    | 5745                 | 118.12              | -                       | -                           | 106.97                    | 32                            | 9.42                   | 30.27                      | 222                  | 115                     | P                       | V               |
|                                      | *    | 5745                 | 109.54              | -                       | -                           | 98.39                     | 32                            | 9.42                   | 30.27                      | 222                  | 115                     | 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 |      | 5612.2               | 50.43               | -17.77                  | 68.2                        | 39.67                     | 31.8                          | 9.17                   | 30.21                      | 214                  | 29                      | P                       | H               |
|                                      |      | 5679.6               | 50.65               | -39.49                  | 90.14                       | 39.85                     | 31.75                         | 9.3                    | 30.25                      | 214                  | 29                      | P                       | H               |
|                                      |      | 5715.2               | 49.56               | -59.9                   | 109.46                      | 38.59                     | 31.87                         | 9.36                   | 30.26                      | 214                  | 29                      | P                       | H               |
|                                      |      | 5722                 | 50.04               | -65.32                  | 115.36                      | 38.99                     | 31.93                         | 9.38                   | 30.26                      | 214                  | 29                      | P                       | H               |
|                                      | *    | 5785                 | 108.74              | -                       | -                           | 97.42                     | 32.13                         | 9.49                   | 30.3                       | 214                  | 29                      | P                       | H               |
|                                      | *    | 5785                 | 100.34              | -                       | -                           | 89.02                     | 32.13                         | 9.49                   | 30.3                       | 214                  | 29                      | A                       | H               |
|                                      |      | 5851.4               | 50.93               | -68.08                  | 119.01                      | 39.48                     | 32.2                          | 9.58                   | 30.33                      | 214                  | 29                      | P                       | H               |
|                                      |      | 5868.8               | 50.3                | -56.63                  | 106.93                      | 38.81                     | 32.23                         | 9.6                    | 30.34                      | 214                  | 29                      | P                       | H               |
|                                      |      | 5913.4               | 50.88               | -25.88                  | 76.76                       | 39.27                     | 32.33                         | 9.65                   | 30.37                      | 214                  | 29                      | P                       | H               |
|                                      |      | 5938.2               | 51.78               | -16.42                  | 68.2                        | 40.11                     | 32.37                         | 9.68                   | 30.38                      | 214                  | 29                      | P                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5625.2               | 50.77               | -17.43                  | 68.2                        | 40.01                     | 31.77                         | 9.2                    | 30.21                      | 238                  | 133                     | P                       | V               |
|                                      |      | 5697                 | 51.44               | -51.55                  | 102.99                      | 40.56                     | 31.8                          | 9.33                   | 30.25                      | 238                  | 133                     | P                       | V               |
|                                      |      | 5719.8               | 54.96               | -55.78                  | 110.74                      | 43.92                     | 31.93                         | 9.37                   | 30.26                      | 238                  | 133                     | P                       | V               |
|                                      |      | 5725                 | 61.09               | -61.11                  | 122.2                       | 50.04                     | 31.93                         | 9.38                   | 30.26                      | 238                  | 133                     | P                       | V               |
|                                      | *    | 5785                 | 118                 | -                       | -                           | 106.68                    | 32.13                         | 9.49                   | 30.3                       | 238                  | 133                     | P                       | V               |
|                                      | *    | 5785                 | 109.71              | -                       | -                           | 98.39                     | 32.13                         | 9.49                   | 30.3                       | 238                  | 133                     | A                       | V               |
|                                      |      | 5851.2               | 57.13               | -62.33                  | 119.46                      | 45.68                     | 32.2                          | 9.58                   | 30.33                      | 238                  | 133                     | P                       | V               |
|                                      |      | 5855.6               | 56.19               | -54.44                  | 110.63                      | 44.71                     | 32.23                         | 9.58                   | 30.33                      | 238                  | 133                     | P                       | V               |
|                                      |      | 5884.6               | 52.62               | -45.45                  | 98.07                       | 41.09                     | 32.27                         | 9.62                   | 30.36                      | 238                  | 133                     | P                       | V               |
|                                      |      | 5933                 | 51.85               | -16.35                  | 68.2                        | 40.18                     | 32.37                         | 9.67                   | 30.37                      | 238                  | 133                     | 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                 | 108.98              | -                       | -                           | 97.55                     | 32.2                          | 9.55                   | 30.32                      | 221                  | 25                      | P                       | H               |
|                                      | *                                                                                           | 5825                 | 100.77              | -                       | -                           | 89.34                     | 32.2                          | 9.55                   | 30.32                      | 221                  | 25                      | A                       | H               |
|                                      |                                                                                             | 5850.6               | 73.52               | -47.31                  | 120.83                      | 62.07                     | 32.2                          | 9.58                   | 30.33                      | 221                  | 25                      | P                       | H               |
|                                      |                                                                                             | 5855.6               | 63.29               | -47.34                  | 110.63                      | 51.81                     | 32.23                         | 9.58                   | 30.33                      | 221                  | 25                      | P                       | H               |
|                                      |                                                                                             | 5879.2               | 52.33               | -49.75                  | 102.08                      | 40.79                     | 32.27                         | 9.61                   | 30.34                      | 221                  | 25                      | P                       | H               |
|                                      |                                                                                             | 5937.2               | 51.12               | -17.08                  | 68.2                        | 39.45                     | 32.37                         | 9.68                   | 30.38                      | 221                  | 25                      | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      | *                                                                                           | 5825                 | 117.82              | -                       | -                           | 106.39                    | 32.2                          | 9.55                   | 30.32                      | 247                  | 133                     | P                       | V               |
|                                      | *                                                                                           | 5825                 | 109.61              | -                       | -                           | 98.18                     | 32.2                          | 9.55                   | 30.32                      | 247                  | 133                     | A                       | V               |
|                                      |                                                                                             | 5850                 | 82.99               | -39.21                  | 122.2                       | 71.54                     | 32.2                          | 9.58                   | 30.33                      | 247                  | 133                     | P                       | V               |
|                                      |                                                                                             | 5855.2               | 73.62               | -37.12                  | 110.74                      | 62.14                     | 32.23                         | 9.58                   | 30.33                      | 247                  | 133                     | P                       | V               |
|                                      |                                                                                             | 5875                 | 59.54               | -45.66                  | 105.2                       | 48                        | 32.27                         | 9.61                   | 30.34                      | 247                  | 133                     | P                       | V               |
|                                      |                                                                                             | 5932.4               | 51.89               | -16.31                  | 68.2                        | 40.22                     | 32.37                         | 9.67                   | 30.37                      | 247                  | 133                     | 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<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 149<br>5745MHz |                                                                                             | 11490                | 56.05               | -17.95                  | 74                          | 62.98                     | 40.17                         | 13.92                  | 61.02                      | 316                  | 296                     | P                       | H               |
|                                      |                                                                                             | 11490                | 47.16               | -6.84                   | 54                          | 54.09                     | 40.17                         | 13.92                  | 61.02                      | 316                  | 296                     | A                       | H               |
|                                      |                                                                                             | 17235                | 48.14               | -20.06                  | 68.2                        | 49.08                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11490                | 57.38               | -16.62                  | 74                          | 64.31                     | 40.17                         | 13.92                  | 61.02                      | 308                  | 7                       | P                       | V               |
|                                      |                                                                                             | 11490                | 48.26               | -5.74                   | 54                          | 55.19                     | 40.17                         | 13.92                  | 61.02                      | 308                  | 7                       | A                       | V               |
|                                      |                                                                                             | 17235                | 48.58               | -19.62                  | 68.2                        | 49.52                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 157<br>5785MHz |                                                                                             | 11570                | 56.74               | -17.26                  | 74                          | 63.73                     | 40                            | 13.95                  | 60.94                      | 316                  | 301                     | P                       | H               |
|                                      |                                                                                             | 11570                | 46.54               | -7.46                   | 54                          | 53.53                     | 40                            | 13.95                  | 60.94                      | 316                  | 301                     | A                       | H               |
|                                      |                                                                                             | 17355                | 49.46               | -18.74                  | 68.2                        | 49.37                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11570                | 57.22               | -16.78                  | 74                          | 64.21                     | 40                            | 13.95                  | 60.94                      | 294                  | 9                       | P                       | V               |
|                                      |                                                                                             | 11570                | 47.36               | -6.64                   | 54                          | 54.35                     | 40                            | 13.95                  | 60.94                      | 294                  | 9                       | A                       | V               |
|                                      |                                                                                             | 17355                | 50.07               | -18.13                  | 68.2                        | 49.98                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 165<br>5825MHz |                                                                                             | 11650                | 55.52               | -18.48                  | 74                          | 62.76                     | 39.66                         | 13.98                  | 60.88                      | 301                  | 338                     | P                       | H               |
|                                      |                                                                                             | 11650                | 45.94               | -8.06                   | 54                          | 53.18                     | 39.66                         | 13.98                  | 60.88                      | 301                  | 338                     | A                       | H               |
|                                      |                                                                                             | 17475                | 50.09               | -18.11                  | 68.2                        | 48.7                      | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11650                | 56.62               | -17.38                  | 74                          | 63.86                     | 39.66                         | 13.98                  | 60.88                      | 288                  | 10                      | P                       | V               |
|                                      |                                                                                             | 11650                | 46.52               | -7.48                   | 54                          | 53.76                     | 39.66                         | 13.98                  | 60.88                      | 288                  | 10                      | A                       | V               |
|                                      |                                                                                             | 17475                | 49.93               | -18.27                  | 68.2                        | 48.54                     | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | 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<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 151<br>5755MHz |      | 5635.6               | 50.64               | -17.56                  | 68.2                        | 39.91                     | 31.73                         | 9.22                   | 30.22                      | 216                  | 25                      | P                       | H               |
|                                      |      | 5699.4               | 67.88               | -36.88                  | 104.76                      | 57                        | 31.8                          | 9.33                   | 30.25                      | 216                  | 25                      | P                       | H               |
|                                      |      | 5718.2               | 81.1                | -29.2                   | 110.3                       | 70.06                     | 31.93                         | 9.37                   | 30.26                      | 216                  | 25                      | P                       | H               |
|                                      |      | 5723.8               | 82.56               | -36.9                   | 119.46                      | 71.51                     | 31.93                         | 9.38                   | 30.26                      | 216                  | 25                      | P                       | H               |
|                                      | *    | 5755                 | 105.62              | -                       | -                           | 94.38                     | 32.07                         | 9.44                   | 30.27                      | 216                  | 25                      | P                       | H               |
|                                      | *    | 5755                 | 97.71               | -                       | -                           | 86.47                     | 32.07                         | 9.44                   | 30.27                      | 216                  | 25                      | A                       | H               |
|                                      |      | 5852.6               | 51.53               | -64.74                  | 116.27                      | 40.08                     | 32.2                          | 9.58                   | 30.33                      | 216                  | 25                      | P                       | H               |
|                                      |      | 5856.8               | 52.47               | -57.83                  | 110.3                       | 40.98                     | 32.23                         | 9.59                   | 30.33                      | 216                  | 25                      | P                       | H               |
|                                      |      | 5890.8               | 51.64               | -41.83                  | 93.47                       | 40.08                     | 32.3                          | 9.62                   | 30.36                      | 216                  | 25                      | P                       | H               |
|                                      |      | 5945.8               | 50.57               | -17.63                  | 68.2                        | 38.86                     | 32.4                          | 9.69                   | 30.38                      | 216                  | 25                      | P                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5639                 | 57.63               | -10.57                  | 68.2                        | 46.9                      | 31.73                         | 9.22                   | 30.22                      | 236                  | 115                     | P                       | V               |
|                                      |      | 5698.6               | 76.84               | -27.33                  | 104.17                      | 65.96                     | 31.8                          | 9.33                   | 30.25                      | 236                  | 115                     | P                       | V               |
|                                      |      | 5719                 | 90.56               | -19.96                  | 110.52                      | 79.52                     | 31.93                         | 9.37                   | 30.26                      | 236                  | 115                     | P                       | V               |
|                                      |      | 5722                 | 91.55               | -23.81                  | 115.36                      | 80.5                      | 31.93                         | 9.38                   | 30.26                      | 236                  | 115                     | P                       | V               |
|                                      | *    | 5755                 | 114.93              | -                       | -                           | 103.69                    | 32.07                         | 9.44                   | 30.27                      | 236                  | 115                     | P                       | V               |
|                                      | *    | 5755                 | 107.01              | -                       | -                           | 95.77                     | 32.07                         | 9.44                   | 30.27                      | 236                  | 115                     | A                       | V               |
|                                      |      | 5853                 | 57.65               | -57.71                  | 115.36                      | 46.2                      | 32.2                          | 9.58                   | 30.33                      | 236                  | 115                     | P                       | V               |
|                                      |      | 5858.6               | 57.56               | -52.23                  | 109.79                      | 46.08                     | 32.23                         | 9.59                   | 30.34                      | 236                  | 115                     | P                       | V               |
|                                      |      | 5875.4               | 55.51               | -49.39                  | 104.9                       | 43.97                     | 32.27                         | 9.61                   | 30.34                      | 236                  | 115                     | P                       | V               |
|                                      |      | 5929.8               | 52.25               | -15.95                  | 68.2                        | 40.58                     | 32.37                         | 9.67                   | 30.37                      | 236                  | 115                     | 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 |                                                              | 5632.8               | 50.5                | -17.7                   | 68.2                        | 39.78                     | 31.73                         | 9.21                   | 30.22                      | 215                  | 28                      | P                       | H               |
|                                      |                                                              | 5699.8               | 53.39               | -51.66                  | 105.05                      | 42.51                     | 31.8                          | 9.33                   | 30.25                      | 215                  | 28                      | P                       | H               |
|                                      |                                                              | 5720                 | 59.57               | -51.23                  | 110.8                       | 48.53                     | 31.93                         | 9.37                   | 30.26                      | 215                  | 28                      | P                       | H               |
|                                      |                                                              | 5720.2               | 61.96               | -49.3                   | 111.26                      | 50.92                     | 31.93                         | 9.37                   | 30.26                      | 215                  | 28                      | P                       | H               |
|                                      | *                                                            | 5795                 | 105.97              | -                       | -                           | 94.56                     | 32.2                          | 9.51                   | 30.3                       | 215                  | 28                      | P                       | H               |
|                                      | *                                                            | 5795                 | 98.09               | -                       | -                           | 86.68                     | 32.2                          | 9.51                   | 30.3                       | 215                  | 28                      | A                       | H               |
|                                      |                                                              | 5850.4               | 66.55               | -54.74                  | 121.29                      | 55.1                      | 32.2                          | 9.58                   | 30.33                      | 215                  | 28                      | P                       | H               |
|                                      |                                                              | 5856.8               | 66.7                | -43.6                   | 110.3                       | 55.21                     | 32.23                         | 9.59                   | 30.33                      | 215                  | 28                      | P                       | H               |
|                                      |                                                              | 5877.6               | 56.77               | -46.5                   | 103.27                      | 45.23                     | 32.27                         | 9.61                   | 30.34                      | 215                  | 28                      | P                       | H               |
|                                      |                                                              | 5945.6               | 51.9                | -16.3                   | 68.2                        | 40.19                     | 32.4                          | 9.69                   | 30.38                      | 215                  | 28                      | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 5640                 | 52.44               | -15.76                  | 68.2                        | 41.71                     | 31.73                         | 9.22                   | 30.22                      | 237                  | 133                     | P                       | V               |
|                                      |                                                              | 5699.2               | 60.45               | -44.16                  | 104.61                      | 49.57                     | 31.8                          | 9.33                   | 30.25                      | 237                  | 133                     | P                       | V               |
|                                      |                                                              | 5713.2               | 70.63               | -38.27                  | 108.9                       | 59.66                     | 31.87                         | 9.36                   | 30.26                      | 237                  | 133                     | P                       | V               |
|                                      |                                                              | 5724.6               | 70.53               | -50.76                  | 121.29                      | 59.48                     | 31.93                         | 9.38                   | 30.26                      | 237                  | 133                     | P                       | V               |
|                                      | *                                                            | 5795                 | 115.42              | -                       | -                           | 104.01                    | 32.2                          | 9.51                   | 30.3                       | 237                  | 133                     | P                       | V               |
|                                      | *                                                            | 5795                 | 107.47              | -                       | -                           | 96.06                     | 32.2                          | 9.51                   | 30.3                       | 237                  | 133                     | A                       | V               |
|                                      |                                                              | 5850                 | 76.81               | -45.39                  | 122.2                       | 65.36                     | 32.2                          | 9.58                   | 30.33                      | 237                  | 133                     | P                       | V               |
|                                      |                                                              | 5855.4               | 74.93               | -35.76                  | 110.69                      | 63.45                     | 32.23                         | 9.58                   | 30.33                      | 237                  | 133                     | P                       | V               |
|                                      |                                                              | 5877                 | 67.28               | -36.43                  | 103.71                      | 55.74                     | 32.27                         | 9.61                   | 30.34                      | 237                  | 133                     | P                       | V               |
|                                      |                                                              | 5925.4               | 55.71               | -12.49                  | 68.2                        | 44.05                     | 32.37                         | 9.66                   | 30.37                      | 237                  | 133                     | 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<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>802.11n<br/>HT40<br/>CH 151<br/>5755MHz</b> |                                                                                             | 11510                | 54.26               | -19.74                  | 74                          | 61.12                     | 40.2                          | 13.93                  | 60.99                      | 304                  | 326                     | P                     | H             |
|                                                |                                                                                             | 11510                | 45.83               | -8.17                   | 54                          | 52.69                     | 40.2                          | 13.93                  | 60.99                      | 304                  | 326                     | A                     | H             |
|                                                |                                                                                             | 17265                | 49.3                | -18.9                   | 68.2                        | 50.05                     | 40.8                          | 17.93                  | 59.48                      | 100                  | 0                       | P                     | H             |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                                                |                                                                                             | 11510                | 54.94               | -19.06                  | 74                          | 61.8                      | 40.2                          | 13.93                  | 60.99                      | 307                  | 7                       | P                     | V             |
|                                                |                                                                                             | 11510                | 46.5                | -7.5                    | 54                          | 53.36                     | 40.2                          | 13.93                  | 60.99                      | 307                  | 7                       | A                     | V             |
|                                                |                                                                                             | 17265                | 48.5                | -19.7                   | 68.2                        | 49.25                     | 40.8                          | 17.93                  | 59.48                      | 100                  | 0                       | P                     | V             |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       | V             |
| <b>802.11n<br/>HT40<br/>CH 159<br/>5795MHz</b> |                                                                                             | 11590                | 53.85               | -20.15                  | 74                          | 60.87                     | 39.95                         | 13.96                  | 60.93                      | 308                  | 299                     | P                     | H             |
|                                                |                                                                                             | 11590                | 45.22               | -8.78                   | 54                          | 52.24                     | 39.95                         | 13.96                  | 60.93                      | 308                  | 299                     | A                     | H             |
|                                                |                                                                                             | 17385                | 50.82               | -17.38                  | 68.2                        | 50.35                     | 41.73                         | 18.08                  | 59.34                      | 100                  | 0                       | P                     | H             |
|                                                |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                                                |                                                                                             | 11590                | 54.71               | -19.29                  | 74                          | 61.73                     | 39.95                         | 13.96                  | 60.93                      | 299                  | 8                       | P                     | V             |
|                                                |                                                                                             | 11590                | 46.22               | -7.78                   | 54                          | 53.24                     | 39.95                         | 13.96                  | 60.93                      | 299                  | 8                       | A                     | V             |
|                                                |                                                                                             | 17385                | 49.84               | -18.36                  | 68.2                        | 49.37                     | 41.73                         | 18.08                  | 59.34                      | 100                  | 0                       | P                     | 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 802.11ac VHT80 (Band Edge @ 3m)**

| 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 ) |
|----------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                              | 5645.4               | 53.65               | -14.55                  | 68.2                        | 42.91                     | 31.73                         | 9.23                   | 30.22                      | 215                  | 26                      | P                       | H               |
|                                        |                                                              | 5695.4               | 73.89               | -27.92                  | 101.81                      | 63.01                     | 31.8                          | 9.33                   | 30.25                      | 215                  | 26                      | P                       | H               |
|                                        |                                                              | 5718.8               | 76.84               | -33.62                  | 110.46                      | 65.8                      | 31.93                         | 9.37                   | 30.26                      | 215                  | 26                      | P                       | H               |
|                                        |                                                              | 5720.8               | 76.64               | -35.98                  | 112.62                      | 65.6                      | 31.93                         | 9.37                   | 30.26                      | 215                  | 26                      | P                       | H               |
|                                        | *                                                            | 5775                 | 101.04              | -                       | -                           | 89.73                     | 32.13                         | 9.47                   | 30.29                      | 215                  | 26                      | P                       | H               |
|                                        | *                                                            | 5775                 | 93.48               | -                       | -                           | 82.17                     | 32.13                         | 9.47                   | 30.29                      | 215                  | 26                      | A                       | H               |
|                                        |                                                              | 5852.4               | 70.75               | -45.98                  | 116.73                      | 59.3                      | 32.2                          | 9.58                   | 30.33                      | 215                  | 26                      | P                       | H               |
|                                        |                                                              | 5857                 | 69.7                | -40.54                  | 110.24                      | 58.21                     | 32.23                         | 9.59                   | 30.33                      | 215                  | 26                      | P                       | H               |
|                                        |                                                              | 5879.2               | 66.23               | -35.85                  | 102.08                      | 54.69                     | 32.27                         | 9.61                   | 30.34                      | 215                  | 26                      | P                       | H               |
|                                        |                                                              | 5935.6               | 51.21               | -16.99                  | 68.2                        | 39.54                     | 32.37                         | 9.68                   | 30.38                      | 215                  | 26                      | P                       | H               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              | 5649.2               | 62.46               | -5.74                   | 68.2                        | 51.71                     | 31.73                         | 9.24                   | 30.22                      | 235                  | 116                     | P                       | V               |
|                                        |                                                              | 5695.4               | 82.83               | -18.98                  | 101.81                      | 71.95                     | 31.8                          | 9.33                   | 30.25                      | 235                  | 116                     | P                       | V               |
|                                        |                                                              | 5720                 | 85.72               | -25.08                  | 110.8                       | 74.68                     | 31.93                         | 9.37                   | 30.26                      | 235                  | 116                     | P                       | V               |
|                                        |                                                              | 5720.6               | 86.98               | -25.19                  | 112.17                      | 75.94                     | 31.93                         | 9.37                   | 30.26                      | 235                  | 116                     | P                       | V               |
|                                        | *                                                            | 5775                 | 110.58              | -                       | -                           | 99.27                     | 32.13                         | 9.47                   | 30.29                      | 235                  | 116                     | P                       | V               |
|                                        | *                                                            | 5775                 | 102.88              | -                       | -                           | 91.57                     | 32.13                         | 9.47                   | 30.29                      | 235                  | 116                     | A                       | V               |
|                                        |                                                              | 5853                 | 80.95               | -34.41                  | 115.36                      | 69.5                      | 32.2                          | 9.58                   | 30.33                      | 235                  | 116                     | P                       | V               |
|                                        |                                                              | 5858.6               | 81.04               | -28.75                  | 109.79                      | 69.56                     | 32.23                         | 9.59                   | 30.34                      | 235                  | 116                     | P                       | V               |
|                                        |                                                              | 5875                 | 73.85               | -31.35                  | 105.2                       | 62.31                     | 32.27                         | 9.61                   | 30.34                      | 235                  | 116                     | P                       | V               |
|                                        |                                                              | 5929.4               | 57.7                | -10.5                   | 68.2                        | 46.03                     | 32.37                         | 9.67                   | 30.37                      | 235                  | 116                     | 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<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>802.11ac<br/>VHT80<br/>CH 155<br/>5775MHz</b> |                                                                                             | 11550                | 51.53               | -22.47                  | 74                          | 58.49                     | 40.05                         | 13.95                  | 60.96                      | 313                  | 297                     | P                       | H               |
|                                                  |                                                                                             | 11550                | 42.73               | -11.27                  | 54                          | 49.69                     | 40.05                         | 13.95                  | 60.96                      | 313                  | 297                     | A                       | H               |
|                                                  |                                                                                             | 17325                | 50.45               | -17.75                  | 68.2                        | 50.77                     | 41.07                         | 18.02                  | 59.41                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             | 11550                | 53.77               | -20.23                  | 74                          | 60.73                     | 40.05                         | 13.95                  | 60.96                      | 298                  | 7                       | P                       | V               |
|                                                  |                                                                                             | 11550                | 43.08               | -10.92                  | 54                          | 50.04                     | 40.05                         | 13.95                  | 60.96                      | 298                  | 7                       | A                       | V               |
|                                                  |                                                                                             | 17325                | 50.35               | -17.85                  | 68.2                        | 50.67                     | 41.07                         | 18.02                  | 59.41                      | 100                  | 0                       | P                       | V               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b>                                    | 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<br>Ant.<br>1                       | Note                                                                       | Frequency<br><br>( MHz ) | Level<br><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) |
|-----------------------------------------|----------------------------------------------------------------------------|--------------------------|-------------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 5GHz<br>802.11ac<br><br>VHT80<br><br>LF |                                                                            | 71.71                    | 31                      | -9                      | 40                          | 49.8                    | 12.64                         | 1.11                   | 32.55                      |                      |                         | P                     | H             |
|                                         |                                                                            | 139.61                   | 37.75                   | -5.75                   | 43.5                        | 51.14                   | 17.6                          | 1.51                   | 32.5                       | 204                  | 221                     | Q                     | H             |
|                                         |                                                                            | 238.55                   | 29.22                   | -16.78                  | 46                          | 42.62                   | 17.13                         | 1.98                   | 32.51                      |                      |                         | P                     | H             |
|                                         |                                                                            | 297.72                   | 33.49                   | -12.51                  | 46                          | 44.57                   | 19.25                         | 2.21                   | 32.54                      |                      |                         | P                     | H             |
|                                         |                                                                            | 607.15                   | 28.23                   | -17.77                  | 46                          | 31.99                   | 25.76                         | 3.07                   | 32.59                      |                      |                         | P                     | H             |
|                                         |                                                                            | 911.73                   | 32.2                    | -13.8                   | 46                          | 30.67                   | 29.33                         | 3.75                   | 31.55                      |                      |                         | P                     | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            | 37.76                    | 34.24                   | -5.76                   | 40                          | 44.96                   | 21.12                         | 0.77                   | 32.61                      | 100                  | 338                     | Q                     | V             |
|                                         |                                                                            | 146.4                    | 34.94                   | -8.56                   | 43.5                        | 48.53                   | 17.34                         | 1.57                   | 32.5                       |                      |                         | P                     | V             |
|                                         |                                                                            | 305.48                   | 29.99                   | -16.01                  | 46                          | 41.02                   | 19.3                          | 2.21                   | 32.54                      |                      |                         | P                     | V             |
|                                         |                                                                            | 612                      | 27.44                   | -18.56                  | 46                          | 31.25                   | 25.7                          | 3.07                   | 32.58                      |                      |                         | P                     | V             |
|                                         |                                                                            | 729.37                   | 29.35                   | -16.65                  | 46                          | 30.74                   | 27.66                         | 3.29                   | 32.34                      |                      |                         | P                     | V             |
|                                         |                                                                            | 900.09                   | 31.92                   | -14.08                  | 46                          | 30.95                   | 28.9                          | 3.72                   | 31.65                      |                      |                         | 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<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 149<br>5745MHz |      | 5622.6               | 51.85               | -16.35                  | 68.2                        | 41.1                      | 31.77                         | 9.19                   | 30.21                      | 282                  | 152                     | P                       | H               |
|                              |      | 5700                 | 56.69               | -48.51                  | 105.2                       | 45.8                      | 31.8                          | 9.34                   | 30.25                      | 282                  | 152                     | P                       | H               |
|                              |      | 5720                 | 67.45               | -43.35                  | 110.8                       | 56.41                     | 31.93                         | 9.37                   | 30.26                      | 282                  | 152                     | P                       | H               |
|                              |      | 5724.4               | 79.81               | -41.02                  | 120.83                      | 68.76                     | 31.93                         | 9.38                   | 30.26                      | 282                  | 152                     | P                       | H               |
|                              | *    | 5745                 | 117.88              | -                       | -                           | 106.73                    | 32                            | 9.42                   | 30.27                      | 282                  | 152                     | P                       | H               |
|                              | *    | 5745                 | 110.42              | -                       | -                           | 99.27                     | 32                            | 9.42                   | 30.27                      | 282                  | 152                     | A                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5629.8               | 50.14               | -18.06                  | 68.2                        | 39.38                     | 31.77                         | 9.21                   | 30.22                      | 345                  | 222                     | P                       | V               |
|                              |      | 5691.8               | 51.84               | -47.31                  | 99.15                       | 40.97                     | 31.8                          | 9.32                   | 30.25                      | 345                  | 222                     | P                       | V               |
|                              |      | 5719.6               | 60.96               | -49.73                  | 110.69                      | 49.92                     | 31.93                         | 9.37                   | 30.26                      | 345                  | 222                     | P                       | V               |
|                              |      | 5725                 | 76.89               | -45.31                  | 122.2                       | 65.84                     | 31.93                         | 9.38                   | 30.26                      | 345                  | 222                     | P                       | V               |
|                              | *    | 5745                 | 113.49              | -                       | -                           | 102.34                    | 32                            | 9.42                   | 30.27                      | 345                  | 222                     | P                       | V               |
|                              | *    | 5745                 | 105.25              | -                       | -                           | 94.1                      | 32                            | 9.42                   | 30.27                      | 345                  | 222                     | 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 ) |
|---------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 157<br/>5785MHz</b> |      | 5608.6               | 51.15               | -17.05                  | 68.2                        | 40.39                     | 31.8                          | 9.17                   | 30.21                      | 290                  | 152                     | P                       | H               |
|                                       |      | 5693.8               | 51.86               | -48.77                  | 100.63                      | 40.99                     | 31.8                          | 9.32                   | 30.25                      | 290                  | 152                     | P                       | H               |
|                                       |      | 5717.4               | 53.41               | -56.66                  | 110.07                      | 42.43                     | 31.87                         | 9.37                   | 30.26                      | 290                  | 152                     | P                       | H               |
|                                       |      | 5724.6               | 53.53               | -67.76                  | 121.29                      | 42.48                     | 31.93                         | 9.38                   | 30.26                      | 290                  | 152                     | P                       | H               |
|                                       | *    | 5785                 | 118.08              | -                       | -                           | 106.76                    | 32.13                         | 9.49                   | 30.3                       | 290                  | 152                     | P                       | H               |
|                                       | *    | 5785                 | 110.51              | -                       | -                           | 99.19                     | 32.13                         | 9.49                   | 30.3                       | 290                  | 152                     | A                       | H               |
|                                       |      | 5851.6               | 53.41               | -65.14                  | 118.55                      | 41.96                     | 32.2                          | 9.58                   | 30.33                      | 290                  | 152                     | P                       | H               |
|                                       |      | 5855.6               | 52.82               | -57.81                  | 110.63                      | 41.34                     | 32.23                         | 9.58                   | 30.33                      | 290                  | 152                     | P                       | H               |
|                                       |      | 5883                 | 53.01               | -46.25                  | 99.26                       | 41.46                     | 32.27                         | 9.62                   | 30.34                      | 290                  | 152                     | P                       | H               |
|                                       |      | 5944                 | 52.69               | -15.51                  | 68.2                        | 40.98                     | 32.4                          | 9.69                   | 30.38                      | 290                  | 152                     | P                       | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      | 5642.6               | 50.39               | -17.81                  | 68.2                        | 39.65                     | 31.73                         | 9.23                   | 30.22                      | 308                  | 219                     | P                       | V               |
|                                       |      | 5686.8               | 50.2                | -45.26                  | 95.46                       | 39.34                     | 31.8                          | 9.31                   | 30.25                      | 308                  | 219                     | P                       | V               |
|                                       |      | 5713.4               | 50.47               | -58.48                  | 108.95                      | 39.5                      | 31.87                         | 9.36                   | 30.26                      | 308                  | 219                     | P                       | V               |
|                                       |      | 5724.6               | 50.18               | -71.11                  | 121.29                      | 39.13                     | 31.93                         | 9.38                   | 30.26                      | 308                  | 219                     | P                       | V               |
|                                       | *    | 5785                 | 112.63              | -                       | -                           | 101.31                    | 32.13                         | 9.49                   | 30.3                       | 308                  | 219                     | P                       | V               |
|                                       | *    | 5785                 | 105.22              | -                       | -                           | 93.9                      | 32.13                         | 9.49                   | 30.3                       | 308                  | 219                     | A                       | V               |
|                                       |      | 5852                 | 52.59               | -65.05                  | 117.64                      | 41.14                     | 32.2                          | 9.58                   | 30.33                      | 308                  | 219                     | P                       | V               |
|                                       |      | 5863.4               | 51.16               | -57.29                  | 108.45                      | 39.68                     | 32.23                         | 9.59                   | 30.34                      | 308                  | 219                     | P                       | V               |
|                                       |      | 5921.4               | 51.72               | -19.13                  | 70.85                       | 40.1                      | 32.33                         | 9.66                   | 30.37                      | 308                  | 219                     | P                       | V               |
|                                       |      | 5944                 | 51.45               | -16.75                  | 68.2                        | 39.74                     | 32.4                          | 9.69                   | 30.38                      | 308                  | 219                     | 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                 | 117.91              | -                       | -                           | 106.48                    | 32.2                          | 9.55                   | 30.32                      | 297                  | 161                     | P                       | H               |
|                                       | *                                                                                           | 5825                 | 110.27              | -                       | -                           | 98.84                     | 32.2                          | 9.55                   | 30.32                      | 297                  | 161                     | A                       | H               |
|                                       |                                                                                             | 5850                 | 80.11               | -42.09                  | 122.2                       | 68.66                     | 32.2                          | 9.58                   | 30.33                      | 297                  | 161                     | P                       | H               |
|                                       |                                                                                             | 5856                 | 72.36               | -38.16                  | 110.52                      | 60.88                     | 32.23                         | 9.58                   | 30.33                      | 297                  | 161                     | P                       | H               |
|                                       |                                                                                             | 5877.4               | 59.4                | -44.02                  | 103.42                      | 47.86                     | 32.27                         | 9.61                   | 30.34                      | 297                  | 161                     | P                       | H               |
|                                       |                                                                                             | 5945.6               | 52.65               | -15.55                  | 68.2                        | 40.94                     | 32.4                          | 9.69                   | 30.38                      | 297                  | 161                     | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       | *                                                                                           | 5825                 | 112.81              | -                       | -                           | 101.38                    | 32.2                          | 9.55                   | 30.32                      | 397                  | 193                     | P                       | V               |
|                                       | *                                                                                           | 5825                 | 105.07              | -                       | -                           | 93.64                     | 32.2                          | 9.55                   | 30.32                      | 397                  | 193                     | A                       | V               |
|                                       |                                                                                             | 5850                 | 74.07               | -48.13                  | 122.2                       | 62.62                     | 32.2                          | 9.58                   | 30.33                      | 397                  | 193                     | P                       | V               |
|                                       |                                                                                             | 5855.6               | 66.17               | -44.46                  | 110.63                      | 54.69                     | 32.23                         | 9.58                   | 30.33                      | 397                  | 193                     | P                       | V               |
|                                       |                                                                                             | 5878.8               | 55.24               | -47.14                  | 102.38                      | 43.7                      | 32.27                         | 9.61                   | 30.34                      | 397                  | 193                     | P                       | V               |
|                                       |                                                                                             | 5930.8               | 51.41               | -16.79                  | 68.2                        | 39.74                     | 32.37                         | 9.67                   | 30.37                      | 397                  | 193                     | P                       | 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<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 149<br/>5745MHz</b> |                                                                                             | 11490                | 49.98               | -24.02                  | 74                          | 56.91                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             | 17235                | 50.06               | -18.14                  | 68.2                        | 51                        | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             | 11490                | 54.42               | -19.58                  | 74                          | 61.35                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 69                      | P                       | V               |
|                                       |                                                                                             | 11490                | 45.12               | -8.88                   | 54                          | 52.05                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 69                      | A                       | V               |
|                                       |                                                                                             | 17235                | 49.14               | -19.06                  | 68.2                        | 50.08                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>802.11a<br/>CH 157<br/>5785MHz</b> |                                                                                             | 11570                | 49.53               | -24.47                  | 74                          | 56.52                     | 40                            | 13.95                  | 60.94                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             | 17355                | 50.77               | -17.43                  | 68.2                        | 50.68                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             | 11570                | 49.77               | -24.23                  | 74                          | 56.76                     | 40                            | 13.95                  | 60.94                      | 100                  | 0                       | P                       | V               |
|                                       |                                                                                             | 17355                | 50.08               | -18.12                  | 68.2                        | 49.99                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>802.11a<br/>CH 165<br/>5825MHz</b> |                                                                                             | 11650                | 48.43               | -25.57                  | 74                          | 55.67                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             | 17475                | 50.49               | -17.71                  | 68.2                        | 49.1                      | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             | 11650                | 52.6                | -21.4                   | 74                          | 59.84                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 67                      | P                       | V               |
|                                       |                                                                                             | 11650                | 42.66               | -11.34                  | 54                          | 49.9                      | 39.66                         | 13.98                  | 60.88                      | 100                  | 67                      | A                       | V               |
|                                       |                                                                                             | 17475                | 50.37               | -17.83                  | 68.2                        | 48.98                     | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | 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 802.11n HT20 (Band Edge @ 3m)

| 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 149<br>5745MHz |      | 5647                 | 51.54               | -16.66                  | 68.2                        | 40.79                     | 31.73                         | 9.24                   | 30.22                      | 279                  | 154                     | P                       | H               |
|                                      |      | 5694.8               | 56.24               | -45.13                  | 101.37                      | 45.36                     | 31.8                          | 9.33                   | 30.25                      | 279                  | 154                     | P                       | H               |
|                                      |      | 5720                 | 73.03               | -37.77                  | 110.8                       | 61.99                     | 31.93                         | 9.37                   | 30.26                      | 279                  | 154                     | P                       | H               |
|                                      |      | 5724.2               | 82.75               | -37.63                  | 120.38                      | 71.7                      | 31.93                         | 9.38                   | 30.26                      | 279                  | 154                     | P                       | H               |
|                                      | *    | 5745                 | 117.67              | -                       | -                           | 106.52                    | 32                            | 9.42                   | 30.27                      | 279                  | 154                     | P                       | H               |
|                                      | *    | 5745                 | 109.86              | -                       | -                           | 98.71                     | 32                            | 9.42                   | 30.27                      | 279                  | 154                     | A                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5615                 | 50.4                | -17.8                   | 68.2                        | 39.63                     | 31.8                          | 9.18                   | 30.21                      | 362                  | 223                     | P                       | V               |
|                                      |      | 5695.6               | 52.18               | -49.78                  | 101.96                      | 41.3                      | 31.8                          | 9.33                   | 30.25                      | 362                  | 223                     | P                       | V               |
|                                      |      | 5720                 | 66.22               | -44.58                  | 110.8                       | 55.18                     | 31.93                         | 9.37                   | 30.26                      | 362                  | 223                     | P                       | V               |
|                                      |      | 5724.2               | 78.18               | -42.2                   | 120.38                      | 67.13                     | 31.93                         | 9.38                   | 30.26                      | 362                  | 223                     | P                       | V               |
|                                      | *    | 5745                 | 112.78              | -                       | -                           | 101.63                    | 32                            | 9.42                   | 30.27                      | 362                  | 223                     | P                       | V               |
|                                      | *    | 5745                 | 104.84              | -                       | -                           | 93.69                     | 32                            | 9.42                   | 30.27                      | 362                  | 223                     | 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 ) |
|------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT20<br/>CH 157<br/>5785MHz</b> |      | 5617.6               | 50.85               | -17.35                  | 68.2                        | 40.11                     | 31.77                         | 9.18                   | 30.21                      | 290                  | 152                     | P                       | H               |
|                                                |      | 5691.6               | 51.73               | -47.28                  | 99.01                       | 40.86                     | 31.8                          | 9.32                   | 30.25                      | 290                  | 152                     | P                       | H               |
|                                                |      | 5719                 | 52.35               | -58.17                  | 110.52                      | 41.31                     | 31.93                         | 9.37                   | 30.26                      | 290                  | 152                     | P                       | H               |
|                                                |      | 5723.2               | 54.4                | -63.7                   | 118.1                       | 43.35                     | 31.93                         | 9.38                   | 30.26                      | 290                  | 152                     | P                       | H               |
|                                                | *    | 5785                 | 117.98              | -                       | -                           | 106.66                    | 32.13                         | 9.49                   | 30.3                       | 290                  | 152                     | P                       | H               |
|                                                | *    | 5785                 | 109.87              | -                       | -                           | 98.55                     | 32.13                         | 9.49                   | 30.3                       | 290                  | 152                     | A                       | H               |
|                                                |      | 5851.4               | 53.78               | -65.23                  | 119.01                      | 42.33                     | 32.2                          | 9.58                   | 30.33                      | 290                  | 152                     | P                       | H               |
|                                                |      | 5855.4               | 53.83               | -56.86                  | 110.69                      | 42.35                     | 32.23                         | 9.58                   | 30.33                      | 290                  | 152                     | P                       | H               |
|                                                |      | 5877.6               | 51.82               | -51.45                  | 103.27                      | 40.28                     | 32.27                         | 9.61                   | 30.34                      | 290                  | 152                     | P                       | H               |
|                                                |      | 5941.8               | 51.5                | -16.7                   | 68.2                        | 39.8                      | 32.4                          | 9.68                   | 30.38                      | 290                  | 152                     | P                       | H               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |      | 5642                 | 50.83               | -17.37                  | 68.2                        | 40.09                     | 31.73                         | 9.23                   | 30.22                      | 343                  | 219                     | P                       | V               |
|                                                |      | 5683.8               | 50.47               | -42.78                  | 93.25                       | 39.61                     | 31.8                          | 9.31                   | 30.25                      | 343                  | 219                     | P                       | V               |
|                                                |      | 5714.2               | 52.3                | -56.88                  | 109.18                      | 41.33                     | 31.87                         | 9.36                   | 30.26                      | 343                  | 219                     | P                       | V               |
|                                                |      | 5725                 | 51.4                | -70.8                   | 122.2                       | 40.35                     | 31.93                         | 9.38                   | 30.26                      | 343                  | 219                     | P                       | V               |
|                                                | *    | 5785                 | 112.62              | -                       | -                           | 101.3                     | 32.13                         | 9.49                   | 30.3                       | 343                  | 219                     | P                       | V               |
|                                                | *    | 5785                 | 104.69              | -                       | -                           | 93.37                     | 32.13                         | 9.49                   | 30.3                       | 343                  | 219                     | A                       | V               |
|                                                |      | 5851                 | 51                  | -68.92                  | 119.92                      | 39.55                     | 32.2                          | 9.58                   | 30.33                      | 343                  | 219                     | P                       | V               |
|                                                |      | 5864.4               | 51.32               | -56.85                  | 108.17                      | 39.84                     | 32.23                         | 9.59                   | 30.34                      | 343                  | 219                     | P                       | V               |
|                                                |      | 5876.2               | 51.27               | -53.04                  | 104.31                      | 39.73                     | 32.27                         | 9.61                   | 30.34                      | 343                  | 219                     | P                       | V               |
|                                                |      | 5935.4               | 50.85               | -17.35                  | 68.2                        | 39.18                     | 32.37                         | 9.68                   | 30.38                      | 343                  | 219                     | 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                 | 117.91              | -                       | -                           | 106.48                    | 32.2                          | 9.55                   | 30.32                      | 298                  | 160                     | P                       | H               |
|                                      | *                                                                                           | 5825                 | 109.96              | -                       | -                           | 98.53                     | 32.2                          | 9.55                   | 30.32                      | 298                  | 160                     | A                       | H               |
|                                      |                                                                                             | 5850.2               | 83.77               | -37.97                  | 121.74                      | 72.32                     | 32.2                          | 9.58                   | 30.33                      | 298                  | 160                     | P                       | H               |
|                                      |                                                                                             | 5855                 | 73.8                | -37                     | 110.8                       | 62.32                     | 32.23                         | 9.58                   | 30.33                      | 298                  | 160                     | P                       | H               |
|                                      |                                                                                             | 5885.8               | 60.72               | -36.46                  | 97.18                       | 49.19                     | 32.27                         | 9.62                   | 30.36                      | 298                  | 160                     | P                       | H               |
|                                      |                                                                                             | 5947.4               | 52.52               | -15.68                  | 68.2                        | 40.81                     | 32.4                          | 9.69                   | 30.38                      | 298                  | 160                     | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      | *                                                                                           | 5825                 | 112.45              | -                       | -                           | 101.02                    | 32.2                          | 9.55                   | 30.32                      | 397                  | 193                     | P                       | V               |
|                                      | *                                                                                           | 5825                 | 104.49              | -                       | -                           | 93.06                     | 32.2                          | 9.55                   | 30.32                      | 397                  | 193                     | A                       | V               |
|                                      |                                                                                             | 5850.2               | 79.25               | -42.49                  | 121.74                      | 67.8                      | 32.2                          | 9.58                   | 30.33                      | 397                  | 193                     | P                       | V               |
|                                      |                                                                                             | 5856.2               | 65.92               | -44.54                  | 110.46                      | 54.44                     | 32.23                         | 9.58                   | 30.33                      | 397                  | 193                     | P                       | V               |
|                                      |                                                                                             | 5875                 | 54.71               | -50.49                  | 105.2                       | 43.17                     | 32.27                         | 9.61                   | 30.34                      | 397                  | 193                     | P                       | V               |
|                                      |                                                                                             | 5941.8               | 51.79               | -16.41                  | 68.2                        | 40.09                     | 32.4                          | 9.68                   | 30.38                      | 397                  | 193                     | 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<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 149<br>5745MHz |                                                                                             | 11490                | 49.37               | -24.63                  | 74                          | 56.3                      | 40.17                         | 13.92                  | 61.02                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17235                | 48.73               | -19.47                  | 68.2                        | 49.67                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11490                | 54.99               | -19.01                  | 74                          | 61.92                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 68                      | P                       | V               |
|                                      |                                                                                             | 11490                | 43.7                | -10.3                   | 54                          | 50.63                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 68                      | A                       | V               |
|                                      |                                                                                             | 17235                | 48.42               | -19.78                  | 68.2                        | 49.36                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 157<br>5785MHz |                                                                                             | 11570                | 49.47               | -24.53                  | 74                          | 56.46                     | 40                            | 13.95                  | 60.94                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17355                | 49.11               | -19.09                  | 68.2                        | 49.02                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11570                | 52.73               | -21.27                  | 74                          | 59.72                     | 40                            | 13.95                  | 60.94                      | 100                  | 68                      | P                       | V               |
|                                      |                                                                                             | 11570                | 42.48               | -11.52                  | 54                          | 49.47                     | 40                            | 13.95                  | 60.94                      | 100                  | 68                      | A                       | V               |
|                                      |                                                                                             | 17235                | 49.24               | -18.96                  | 68.2                        | 50.18                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 165<br>5825MHz |                                                                                             | 11650                | 48.24               | -25.76                  | 74                          | 55.48                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17475                | 49.68               | -18.52                  | 68.2                        | 48.29                     | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11650                | 48.76               | -25.24                  | 74                          | 56                        | 39.66                         | 13.98                  | 60.88                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17475                | 49.79               | -18.41                  | 68.2                        | 48.4                      | 42.43                         | 18.19                  | 59.23                      | 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<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>802.11n<br/>HT40<br/>CH 151<br/>5755MHz</b> |      | 5641.6               | 52.86               | -15.34                  | 68.2                        | 42.12                     | 31.73                         | 9.23                   | 30.22                      | 292                  | 152                     | P                       | H               |
|                                                |      | 5700                 | 60.41               | -44.79                  | 105.2                       | 49.52                     | 31.8                          | 9.34                   | 30.25                      | 292                  | 152                     | P                       | H               |
|                                                |      | 5719                 | 82.46               | -28.06                  | 110.52                      | 71.42                     | 31.93                         | 9.37                   | 30.26                      | 292                  | 152                     | P                       | H               |
|                                                |      | 5724.8               | 84.27               | -37.47                  | 121.74                      | 73.22                     | 31.93                         | 9.38                   | 30.26                      | 292                  | 152                     | P                       | H               |
|                                                | *    | 5755                 | 115.35              | -                       | -                           | 104.11                    | 32.07                         | 9.44                   | 30.27                      | 292                  | 152                     | P                       | H               |
|                                                | *    | 5755                 | 107.2               | -                       | -                           | 95.96                     | 32.07                         | 9.44                   | 30.27                      | 292                  | 152                     | A                       | H               |
|                                                |      | 5854.2               | 54.77               | -57.85                  | 112.62                      | 43.29                     | 32.23                         | 9.58                   | 30.33                      | 292                  | 152                     | P                       | H               |
|                                                |      | 5857                 | 52.98               | -57.26                  | 110.24                      | 41.49                     | 32.23                         | 9.59                   | 30.33                      | 292                  | 152                     | P                       | H               |
|                                                |      | 5909.8               | 53.09               | -26.33                  | 79.42                       | 41.48                     | 32.33                         | 9.65                   | 30.37                      | 292                  | 152                     | P                       | H               |
|                                                |      | 5944.6               | 51.51               | -16.69                  | 68.2                        | 39.8                      | 32.4                          | 9.69                   | 30.38                      | 292                  | 152                     | P                       | H               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |      | 5644                 | 51.12               | -17.08                  | 68.2                        | 40.38                     | 31.73                         | 9.23                   | 30.22                      | 398                  | 207                     | P                       | V               |
|                                                |      | 5699.8               | 54.47               | -50.58                  | 105.05                      | 43.59                     | 31.8                          | 9.33                   | 30.25                      | 398                  | 207                     | P                       | V               |
|                                                |      | 5719.2               | 76.07               | -34.51                  | 110.58                      | 65.03                     | 31.93                         | 9.37                   | 30.26                      | 398                  | 207                     | P                       | V               |
|                                                |      | 5724.2               | 77.35               | -43.03                  | 120.38                      | 66.3                      | 31.93                         | 9.38                   | 30.26                      | 398                  | 207                     | P                       | V               |
|                                                | *    | 5755                 | 109.56              | -                       | -                           | 98.32                     | 32.07                         | 9.44                   | 30.27                      | 398                  | 207                     | P                       | V               |
|                                                | *    | 5755                 | 101.77              | -                       | -                           | 90.53                     | 32.07                         | 9.44                   | 30.27                      | 398                  | 207                     | A                       | V               |
|                                                |      | 5851.8               | 50.54               | -67.56                  | 118.1                       | 39.09                     | 32.2                          | 9.58                   | 30.33                      | 398                  | 207                     | P                       | V               |
|                                                |      | 5864.4               | 50.7                | -57.47                  | 108.17                      | 39.22                     | 32.23                         | 9.59                   | 30.34                      | 398                  | 207                     | P                       | V               |
|                                                |      | 5898.8               | 51.45               | -36.1                   | 87.55                       | 39.88                     | 32.3                          | 9.63                   | 30.36                      | 398                  | 207                     | P                       | V               |
|                                                |      | 5933.2               | 51.44               | -16.76                  | 68.2                        | 39.77                     | 32.37                         | 9.67                   | 30.37                      | 398                  | 207                     | 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 |                                                              | 5639.6               | 51.04               | -17.16                  | 68.2                        | 40.31                     | 31.73                         | 9.22                   | 30.22                      | 287                  | 180                     | P                       | H               |
|                                      |                                                              | 5691.4               | 52.88               | -45.98                  | 98.86                       | 42.01                     | 31.8                          | 9.32                   | 30.25                      | 287                  | 180                     | P                       | H               |
|                                      |                                                              | 5718.8               | 56.22               | -54.24                  | 110.46                      | 45.18                     | 31.93                         | 9.37                   | 30.26                      | 287                  | 180                     | P                       | H               |
|                                      |                                                              | 5723.6               | 57.26               | -61.75                  | 119.01                      | 46.21                     | 31.93                         | 9.38                   | 30.26                      | 287                  | 180                     | P                       | H               |
|                                      | *                                                            | 5795                 | 114.77              | -                       | -                           | 103.36                    | 32.2                          | 9.51                   | 30.3                       | 287                  | 180                     | P                       | H               |
|                                      | *                                                            | 5795                 | 106.78              | -                       | -                           | 95.37                     | 32.2                          | 9.51                   | 30.3                       | 287                  | 180                     | A                       | H               |
|                                      |                                                              | 5851.8               | 64.28               | -53.82                  | 118.1                       | 52.83                     | 32.2                          | 9.58                   | 30.33                      | 287                  | 180                     | P                       | H               |
|                                      |                                                              | 5856.2               | 62.16               | -48.3                   | 110.46                      | 50.68                     | 32.23                         | 9.58                   | 30.33                      | 287                  | 180                     | P                       | H               |
|                                      |                                                              | 5875.8               | 58.43               | -46.18                  | 104.61                      | 46.89                     | 32.27                         | 9.61                   | 30.34                      | 287                  | 180                     | P                       | H               |
|                                      |                                                              | 5932.8               | 52.79               | -15.41                  | 68.2                        | 41.12                     | 32.37                         | 9.67                   | 30.37                      | 287                  | 180                     | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 5642.2               | 50.48               | -17.72                  | 68.2                        | 39.74                     | 31.73                         | 9.23                   | 30.22                      | 399                  | 194                     | P                       | V               |
|                                      |                                                              | 5693.6               | 51.59               | -48.89                  | 100.48                      | 40.72                     | 31.8                          | 9.32                   | 30.25                      | 399                  | 194                     | P                       | V               |
|                                      |                                                              | 5719                 | 53.03               | -57.49                  | 110.52                      | 41.99                     | 31.93                         | 9.37                   | 30.26                      | 399                  | 194                     | P                       | V               |
|                                      |                                                              | 5724.6               | 55.14               | -66.15                  | 121.29                      | 44.09                     | 31.93                         | 9.38                   | 30.26                      | 399                  | 194                     | P                       | V               |
|                                      | *                                                            | 5795                 | 109.65              | -                       | -                           | 98.24                     | 32.2                          | 9.51                   | 30.3                       | 399                  | 194                     | P                       | V               |
|                                      | *                                                            | 5795                 | 101.55              | -                       | -                           | 90.14                     | 32.2                          | 9.51                   | 30.3                       | 399                  | 194                     | A                       | V               |
|                                      |                                                              | 5852.6               | 61.08               | -55.19                  | 116.27                      | 49.63                     | 32.2                          | 9.58                   | 30.33                      | 399                  | 194                     | P                       | V               |
|                                      |                                                              | 5856.4               | 58.62               | -51.79                  | 110.41                      | 47.14                     | 32.23                         | 9.58                   | 30.33                      | 399                  | 194                     | P                       | V               |
|                                      |                                                              | 5877.6               | 54.33               | -48.94                  | 103.27                      | 42.79                     | 32.27                         | 9.61                   | 30.34                      | 399                  | 194                     | P                       | V               |
|                                      |                                                              | 5946.4               | 51.04               | -17.16                  | 68.2                        | 39.33                     | 32.4                          | 9.69                   | 30.38                      | 399                  | 194                     | 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<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 151<br>5755MHz |                                                                                             | 11510                | 48.71               | -25.29                  | 74                          | 55.57                     | 40.2                          | 13.93                  | 60.99                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17265                | 49.01               | -19.19                  | 68.2                        | 49.76                     | 40.8                          | 17.93                  | 59.48                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11510                | 49.41               | -24.59                  | 74                          | 56.27                     | 40.2                          | 13.93                  | 60.99                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17265                | 48.72               | -19.48                  | 68.2                        | 49.47                     | 40.8                          | 17.93                  | 59.48                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                                                             | 11590                | 48.85               | -25.15                  | 74                          | 55.87                     | 39.95                         | 13.96                  | 60.93                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             | 17385                | 49.95               | -18.25                  | 68.2                        | 49.48                     | 41.73                         | 18.08                  | 59.34                      | 100                  | 0                       | P                       | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                                                             | 11590                | 49.06               | -24.94                  | 74                          | 56.08                     | 39.95                         | 13.96                  | 60.93                      | 100                  | 0                       | P                       | V               |
|                                      |                                                                                             | 17385                | 50.4                | -17.8                   | 68.2                        | 49.93                     | 41.73                         | 18.08                  | 59.34                      | 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 802.11ac VHT80 (Band Edge @ 3m)**

| 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>802.11ac<br/>VHT80<br/>CH 155<br/>5775MHz</b> |                                                                                             | 5637.4               | 59.41               | -8.79                   | 68.2                        | 48.68                     | 31.73                         | 9.22                   | 30.22                      | 270                  | 152                     | P                       | H               |
|                                                  |                                                                                             | 5696.6               | 79.74               | -22.95                  | 102.69                      | 68.86                     | 31.8                          | 9.33                   | 30.25                      | 270                  | 152                     | P                       | H               |
|                                                  |                                                                                             | 5720                 | 82.23               | -28.57                  | 110.8                       | 71.19                     | 31.93                         | 9.37                   | 30.26                      | 270                  | 152                     | P                       | H               |
|                                                  |                                                                                             | 5720.6               | 84.19               | -27.98                  | 112.17                      | 73.15                     | 31.93                         | 9.37                   | 30.26                      | 270                  | 152                     | P                       | H               |
|                                                  | *                                                                                           | 5775                 | 111.53              | -                       | -                           | 100.22                    | 32.13                         | 9.47                   | 30.29                      | 270                  | 152                     | P                       | H               |
|                                                  | *                                                                                           | 5775                 | 103.75              | -                       | -                           | 92.44                     | 32.13                         | 9.47                   | 30.29                      | 270                  | 152                     | A                       | H               |
|                                                  |                                                                                             | 5853                 | 79.42               | -35.94                  | 115.36                      | 67.97                     | 32.2                          | 9.58                   | 30.33                      | 270                  | 152                     | P                       | H               |
|                                                  |                                                                                             | 5855.6               | 78.65               | -31.98                  | 110.63                      | 67.17                     | 32.23                         | 9.58                   | 30.33                      | 270                  | 152                     | P                       | H               |
|                                                  |                                                                                             | 5875.6               | 72.27               | -32.48                  | 104.75                      | 60.73                     | 32.27                         | 9.61                   | 30.34                      | 270                  | 152                     | P                       | H               |
|                                                  |                                                                                             | 5931.6               | 54.77               | -13.43                  | 68.2                        | 43.1                      | 32.37                         | 9.67                   | 30.37                      | 270                  | 152                     | P                       | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             | 5637.2               | 54.39               | -13.81                  | 68.2                        | 43.66                     | 31.73                         | 9.22                   | 30.22                      | 380                  | 222                     | P                       | V               |
|                                                  |                                                                                             | 5695.2               | 72.46               | -29.2                   | 101.66                      | 61.58                     | 31.8                          | 9.33                   | 30.25                      | 380                  | 222                     | P                       | V               |
|                                                  |                                                                                             | 5720                 | 75.42               | -35.38                  | 110.8                       | 64.38                     | 31.93                         | 9.37                   | 30.26                      | 380                  | 222                     | P                       | V               |
|                                                  |                                                                                             | 5720.4               | 77.85               | -33.86                  | 111.71                      | 66.81                     | 31.93                         | 9.37                   | 30.26                      | 380                  | 222                     | P                       | V               |
|                                                  | *                                                                                           | 5775                 | 106.3               | -                       | -                           | 94.99                     | 32.13                         | 9.47                   | 30.29                      | 380                  | 222                     | P                       | V               |
|                                                  | *                                                                                           | 5775                 | 98.53               | -                       | -                           | 87.22                     | 32.13                         | 9.47                   | 30.29                      | 380                  | 222                     | A                       | V               |
|                                                  |                                                                                             | 5853.8               | 75.33               | -38.21                  | 113.54                      | 63.85                     | 32.23                         | 9.58                   | 30.33                      | 380                  | 222                     | P                       | V               |
|                                                  |                                                                                             | 5855                 | 72.85               | -37.95                  | 110.8                       | 61.37                     | 32.23                         | 9.58                   | 30.33                      | 380                  | 222                     | P                       | V               |
|                                                  |                                                                                             | 5875.2               | 66.2                | -38.85                  | 105.05                      | 54.66                     | 32.27                         | 9.61                   | 30.34                      | 380                  | 222                     | P                       | V               |
|                                                  |                                                                                             | 5925.6               | 52.84               | -15.36                  | 68.2                        | 41.18                     | 32.37                         | 9.66                   | 30.37                      | 380                  | 222                     | P                       | 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 802.11ac VHT80 (Harmonic @ 3m)**

| 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>802.11ac<br/>VHT80<br/>CH 155<br/>5775MHz</b> |                                                                                             | 11550                | 48.01               | -25.99                  | 74                          | 54.97                     | 40.05                         | 13.95                  | 60.96                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             | 17325                | 50.21               | -17.99                  | 68.2                        | 50.53                     | 41.07                         | 18.02                  | 59.41                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             | 11550                | 48.73               | -25.27                  | 74                          | 55.69                     | 40.05                         | 13.95                  | 60.96                      | 100                  | 0                       | P                       | V               |
|                                                  |                                                                                             | 17325                | 50.14               | -18.06                  | 68.2                        | 50.46                     | 41.07                         | 18.02                  | 59.41                      | 100                  | 0                       | P                       | V               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b>                                    | 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<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>5GHz<br/>802.11ac<br/>VHT80<br/>LF</b> |                                                                            | 70.74                | 31.59               | -8.41                   | 40                          | 50.6                    | 12.45                         | 1.1                    | 32.56                      |                      |                         | P                     | H             |
|                                           |                                                                            | 140.58               | 39.28               | -4.22                   | 43.5                        | 52.72                   | 17.54                         | 1.52                   | 32.5                       | 209                  | 295                     | Q                     | H             |
|                                           |                                                                            | 307.42               | 35.8                | -10.2                   | 46                          | 46.83                   | 19.3                          | 2.21                   | 32.54                      |                      |                         | P                     | H             |
|                                           |                                                                            | 488.81               | 24.76               | -21.24                  | 46                          | 30.84                   | 23.78                         | 2.71                   | 32.57                      |                      |                         | P                     | H             |
|                                           |                                                                            | 644.98               | 28.47               | -17.53                  | 46                          | 31.15                   | 26.7                          | 3.13                   | 32.51                      |                      |                         | P                     | H             |
|                                           |                                                                            | 750.71               | 31.38               | -14.62                  | 46                          | 31.96                   | 28.4                          | 3.32                   | 32.3                       |                      |                         | P                     | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            | 37.76                | 34.89               | -5.11                   | 40                          | 45.61                   | 21.12                         | 0.77                   | 32.61                      | 100                  | 326                     | Q                     | V             |
|                                           |                                                                            | 151.25               | 37.02               | -6.48                   | 43.5                        | 50.77                   | 17.15                         | 1.6                    | 32.5                       |                      |                         | P                     | V             |
|                                           |                                                                            | 302.57               | 28.43               | -17.57                  | 46                          | 39.46                   | 19.3                          | 2.21                   | 32.54                      |                      |                         | P                     | V             |
|                                           |                                                                            | 562.53               | 27.13               | -18.87                  | 46                          | 30.39                   | 26.35                         | 2.98                   | 32.59                      |                      |                         | P                     | V             |
|                                           |                                                                            | 756.53               | 31.02               | -14.98                  | 46                          | 31.57                   | 28.4                          | 3.34                   | 32.29                      |                      |                         | P                     | V             |
|                                           |                                                                            | 967.99               | 35.05               | -18.95                  | 54                          | 30.93                   | 31.24                         | 3.95                   | 31.07                      |                      |                         | P                     | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| <b>Remark</b>                             | 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<br>Ant.<br>1+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 149<br/>5745MHz</b> |      | 5615.4               | 49.8                | -18.4                   | 68.2                        | 39.03                     | 31.8                          | 9.18                   | 30.21                      | 100                  | 281                     | P                       | H               |
|                                       |      | 5698.4               | 54.86               | -49.16                  | 104.02                      | 43.98                     | 31.8                          | 9.33                   | 30.25                      | 100                  | 281                     | P                       | H               |
|                                       |      | 5719.8               | 68.79               | -41.95                  | 110.74                      | 57.75                     | 31.93                         | 9.37                   | 30.26                      | 100                  | 281                     | P                       | H               |
|                                       |      | 5724.6               | 79.69               | -41.6                   | 121.29                      | 68.64                     | 31.93                         | 9.38                   | 30.26                      | 100                  | 281                     | P                       | H               |
|                                       | *    | 5745                 | 115.88              | -                       | -                           | 104.73                    | 32                            | 9.42                   | 30.27                      | 100                  | 281                     | P                       | H               |
|                                       | *    | 5745                 | 108.76              | -                       | -                           | 97.61                     | 32                            | 9.42                   | 30.27                      | 100                  | 281                     | A                       | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      | 5610.6               | 50.4                | -17.8                   | 68.2                        | 39.64                     | 31.8                          | 9.17                   | 30.21                      | 399                  | 189                     | P                       | V               |
|                                       |      | 5693.6               | 51.47               | -49.01                  | 100.48                      | 40.6                      | 31.8                          | 9.32                   | 30.25                      | 399                  | 189                     | P                       | V               |
|                                       |      | 5720                 | 60.72               | -50.08                  | 110.8                       | 49.68                     | 31.93                         | 9.37                   | 30.26                      | 399                  | 189                     | P                       | V               |
|                                       |      | 5725                 | 72.71               | -49.49                  | 122.2                       | 61.66                     | 31.93                         | 9.38                   | 30.26                      | 399                  | 189                     | P                       | V               |
|                                       | *    | 5745                 | 112.4               | -                       | -                           | 101.25                    | 32                            | 9.42                   | 30.27                      | 399                  | 189                     | P                       | V               |
|                                       | *    | 5745                 | 105.01              | -                       | -                           | 93.86                     | 32                            | 9.42                   | 30.27                      | 399                  | 189                     | A                       | V               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1+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> |      | 5645.2               | 50.65               | -17.55                  | 68.2                        | 39.91                     | 31.73                         | 9.23                   | 30.22                      | 100                  | 287                     | P                       | H               |
|                                       |      | 5698.4               | 52.47               | -51.55                  | 104.02                      | 41.59                     | 31.8                          | 9.33                   | 30.25                      | 100                  | 287                     | P                       | H               |
|                                       |      | 5717.8               | 51.88               | -58.3                   | 110.18                      | 40.84                     | 31.93                         | 9.37                   | 30.26                      | 100                  | 287                     | P                       | H               |
|                                       |      | 5724.6               | 52.94               | -68.35                  | 121.29                      | 41.89                     | 31.93                         | 9.38                   | 30.26                      | 100                  | 287                     | P                       | H               |
|                                       | *    | 5785                 | 117.66              | 49.46                   | 68.2                        | 106.34                    | 32.13                         | 9.49                   | 30.3                       | 100                  | 287                     | P                       | H               |
|                                       | *    | 5785                 | 110.27              | 56.27                   | 54                          | 98.95                     | 32.13                         | 9.49                   | 30.3                       | 100                  | 287                     | A                       | H               |
|                                       |      | 5852                 | 54.11               | -63.53                  | 117.64                      | 42.66                     | 32.2                          | 9.58                   | 30.33                      | 100                  | 287                     | P                       | H               |
|                                       |      | 5856.8               | 52.94               | -57.36                  | 110.3                       | 41.45                     | 32.23                         | 9.59                   | 30.33                      | 100                  | 287                     | P                       | H               |
|                                       |      | 5880.4               | 53.96               | -47.23                  | 101.19                      | 42.42                     | 32.27                         | 9.61                   | 30.34                      | 100                  | 287                     | P                       | H               |
|                                       |      | 5943.2               | 52.03               | -16.17                  | 68.2                        | 40.33                     | 32.4                          | 9.68                   | 30.38                      | 100                  | 287                     | P                       | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      | 5601.6               | 51.26               | -16.94                  | 68.2                        | 40.5                      | 31.8                          | 9.15                   | 30.19                      | 359                  | 193                     | P                       | V               |
|                                       |      | 5675.4               | 50.19               | -36.85                  | 87.04                       | 39.38                     | 31.75                         | 9.29                   | 30.23                      | 359                  | 193                     | P                       | V               |
|                                       |      | 5707.6               | 50.88               | -56.45                  | 107.33                      | 39.92                     | 31.87                         | 9.35                   | 30.26                      | 359                  | 193                     | P                       | V               |
|                                       |      | 5723.4               | 51.7                | -66.85                  | 118.55                      | 40.65                     | 31.93                         | 9.38                   | 30.26                      | 359                  | 193                     | P                       | V               |
|                                       | *    | 5785                 | 116.78              | 48.58                   | 68.2                        | 105.46                    | 32.13                         | 9.49                   | 30.3                       | 359                  | 193                     | P                       | V               |
|                                       | *    | 5785                 | 106.39              | 52.39                   | 54                          | 95.07                     | 32.13                         | 9.49                   | 30.3                       | 359                  | 193                     | A                       | V               |
|                                       |      | 5852                 | 50.74               | -66.9                   | 117.64                      | 39.29                     | 32.2                          | 9.58                   | 30.33                      | 359                  | 193                     | P                       | V               |
|                                       |      | 5858.4               | 53.33               | -56.52                  | 109.85                      | 41.85                     | 32.23                         | 9.59                   | 30.34                      | 359                  | 193                     | P                       | V               |
|                                       |      | 5889.6               | 52.07               | -42.29                  | 94.36                       | 40.51                     | 32.3                          | 9.62                   | 30.36                      | 359                  | 193                     | P                       | V               |
|                                       |      | 5948.6               | 51.21               | -16.99                  | 68.2                        | 39.5                      | 32.4                          | 9.69                   | 30.38                      | 359                  | 193                     | P                       | V               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



[illegible]



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

| WIFI<br>Ant.<br>1+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 149<br/>5745MHz</b> |                                                                                             | 11490                | 56.28               | -17.72                  | 74                          | 63.21                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 225                     | P                       | H               |
|                                       |                                                                                             | 11490                | 47.58               | -6.42                   | 54                          | 54.51                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 225                     | A                       | H               |
|                                       |                                                                                             | 17235                | 48.68               | -19.52                  | 68.2                        | 49.62                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             | 11490                | 60.03               | -13.97                  | 74                          | 66.96                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 207                     | P                       | V               |
|                                       |                                                                                             | 11490                | 50.68               | -3.32                   | 54                          | 57.61                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 207                     | A                       | V               |
|                                       |                                                                                             | 17235                | 48.64               | -19.56                  | 68.2                        | 49.58                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>802.11a<br/>CH 157<br/>5785MHz</b> |                                                                                             | 11570                | 56.05               | -17.95                  | 74                          | 63.04                     | 40                            | 13.95                  | 60.94                      | 100                  | 225                     | P                       | H               |
|                                       |                                                                                             | 11570                | 46.39               | -7.61                   | 54                          | 53.38                     | 40                            | 13.95                  | 60.94                      | 100                  | 225                     | A                       | H               |
|                                       |                                                                                             | 17355                | 50.19               | -18.01                  | 68.2                        | 50.1                      | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             | 11570                | 57.13               | -16.87                  | 74                          | 64.12                     | 40                            | 13.95                  | 60.94                      | 100                  | 207                     | P                       | V               |
|                                       |                                                                                             | 11570                | 47.88               | -6.12                   | 54                          | 54.87                     | 40                            | 13.95                  | 60.94                      | 100                  | 207                     | A                       | V               |
|                                       |                                                                                             | 17355                | 49.35               | -18.85                  | 68.2                        | 49.26                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | V               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>802.11a<br/>CH 165<br/>5825MHz</b> |                                                                                             | 11650                | 58.22               | -15.78                  | 74                          | 65.46                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 223                     | P                       | H               |
|                                       |                                                                                             | 11650                | 47.91               | -6.09                   | 54                          | 55.15                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 223                     | A                       | H               |
|                                       |                                                                                             | 17475                | 49.89               | -18.31                  | 68.2                        | 48.5                      | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             | 11650                | 58.8                | -15.2                   | 74                          | 66.04                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 207                     | P                       | V               |
|                                       |                                                                                             | 11650                | 48.75               | -5.25                   | 54                          | 55.99                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 207                     | A                       | V               |
|                                       |                                                                                             | 17475                | 50.46               | -17.74                  | 68.2                        | 49.07                     | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | 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 802.11n HT20 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+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 149<br>5745MHz |      | 5606.8               | 50.43               | -17.77                  | 68.2                        | 39.68                     | 31.8                          | 9.16                   | 30.21                      | 100                  | 285                     | P                       | H               |
|                                      |      | 5699.6               | 56.64               | -48.27                  | 104.91                      | 45.76                     | 31.8                          | 9.33                   | 30.25                      | 100                  | 285                     | P                       | H               |
|                                      |      | 5719.2               | 72.49               | -38.09                  | 110.58                      | 61.45                     | 31.93                         | 9.37                   | 30.26                      | 100                  | 285                     | P                       | H               |
|                                      |      | 5725                 | 81.21               | -40.99                  | 122.2                       | 70.16                     | 31.93                         | 9.38                   | 30.26                      | 100                  | 285                     | P                       | H               |
|                                      | *    | 5745                 | 115.57              | -                       | -                           | 104.42                    | 32                            | 9.42                   | 30.27                      | 100                  | 285                     | P                       | H               |
|                                      | *    | 5745                 | 107.76              | -                       | -                           | 96.61                     | 32                            | 9.42                   | 30.27                      | 100                  | 285                     | A                       | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |      | 5634.2               | 49.63               | -18.57                  | 68.2                        | 38.91                     | 31.73                         | 9.21                   | 30.22                      | 400                  | 205                     | P                       | V               |
|                                      |      | 5695.4               | 51.85               | -49.96                  | 101.81                      | 40.97                     | 31.8                          | 9.33                   | 30.25                      | 400                  | 205                     | P                       | V               |
|                                      |      | 5720                 | 66.35               | -44.45                  | 110.8                       | 55.31                     | 31.93                         | 9.37                   | 30.26                      | 400                  | 205                     | P                       | V               |
|                                      |      | 5721.4               | 73.78               | -40.21                  | 113.99                      | 62.74                     | 31.93                         | 9.37                   | 30.26                      | 400                  | 205                     | P                       | V               |
|                                      | *    | 5745                 | 111.68              | -                       | -                           | 100.53                    | 32                            | 9.42                   | 30.27                      | 400                  | 205                     | P                       | V               |
|                                      | *    | 5745                 | 104.2               | -                       | -                           | 93.05                     | 32                            | 9.42                   | 30.27                      | 400                  | 205                     | A                       | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                      |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1+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>802.11n<br/>HT20<br/>CH 157<br/>5785MHz</b> |      | 5606.6               | 50.61               | -17.59                  | 68.2                        | 39.86                     | 31.8                          | 9.16                   | 30.21                      | 100                  | 290                     | P                       | H               |
|                                                |      | 5694.8               | 51.3                | -50.07                  | 101.37                      | 40.42                     | 31.8                          | 9.33                   | 30.25                      | 100                  | 290                     | P                       | H               |
|                                                |      | 5710.6               | 53.94               | -54.23                  | 108.17                      | 42.98                     | 31.87                         | 9.35                   | 30.26                      | 100                  | 290                     | P                       | H               |
|                                                |      | 5723.2               | 52.45               | -65.65                  | 118.1                       | 41.4                      | 31.93                         | 9.38                   | 30.26                      | 100                  | 290                     | P                       | H               |
|                                                | *    | 5785                 | 118.02              | -                       | -                           | 106.7                     | 32.13                         | 9.49                   | 30.3                       | 100                  | 290                     | P                       | H               |
|                                                | *    | 5785                 | 110.5               | -                       | -                           | 99.18                     | 32.13                         | 9.49                   | 30.3                       | 100                  | 290                     | A                       | H               |
|                                                |      | 5850.2               | 53.23               | -68.51                  | 121.74                      | 41.78                     | 32.2                          | 9.58                   | 30.33                      | 100                  | 290                     | P                       | H               |
|                                                |      | 5855.2               | 53.05               | -57.69                  | 110.74                      | 41.57                     | 32.23                         | 9.58                   | 30.33                      | 100                  | 290                     | P                       | H               |
|                                                |      | 5913.4               | 52.66               | -24.1                   | 76.76                       | 41.05                     | 32.33                         | 9.65                   | 30.37                      | 100                  | 290                     | P                       | H               |
|                                                |      | 5931                 | 52.48               | -15.72                  | 68.2                        | 40.81                     | 32.37                         | 9.67                   | 30.37                      | 100                  | 290                     | P                       | H               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |      | 5644.8               | 50.08               | -18.12                  | 68.2                        | 39.34                     | 31.73                         | 9.23                   | 30.22                      | 330                  | 199                     | P                       | V               |
|                                                |      | 5671.4               | 51.81               | -32.27                  | 84.08                       | 41.01                     | 31.75                         | 9.28                   | 30.23                      | 330                  | 199                     | P                       | V               |
|                                                |      | 5713.6               | 51.32               | -57.69                  | 109.01                      | 40.35                     | 31.87                         | 9.36                   | 30.26                      | 330                  | 199                     | P                       | V               |
|                                                |      | 5724.4               | 51.45               | -69.38                  | 120.83                      | 40.4                      | 31.93                         | 9.38                   | 30.26                      | 330                  | 199                     | P                       | V               |
|                                                | *    | 5785                 | 114.72              | -                       | -                           | 103.4                     | 32.13                         | 9.49                   | 30.3                       | 330                  | 199                     | P                       | V               |
|                                                | *    | 5785                 | 106.98              | -                       | -                           | 95.66                     | 32.13                         | 9.49                   | 30.3                       | 330                  | 199                     | A                       | V               |
|                                                |      | 5850.8               | 51.94               | -68.44                  | 120.38                      | 40.49                     | 32.2                          | 9.58                   | 30.33                      | 330                  | 199                     | P                       | V               |
|                                                |      | 5867                 | 51                  | -56.44                  | 107.44                      | 39.51                     | 32.23                         | 9.6                    | 30.34                      | 330                  | 199                     | P                       | V               |
|                                                |      | 5883.8               | 51.47               | -47.2                   | 98.67                       | 39.94                     | 32.27                         | 9.62                   | 30.36                      | 330                  | 199                     | P                       | V               |
|                                                |      | 5943                 | 50.91               | -17.29                  | 68.2                        | 39.21                     | 32.4                          | 9.68                   | 30.38                      | 330                  | 199                     | P                       | V               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1+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                 | 118.35              | -                       | -                           | 106.92                    | 32.2                          | 9.55                   | 30.32                      | 100                  | 198                     | P                       | H               |
|                                      | *                                                            | 5825                 | 110.51              | -                       | -                           | 99.08                     | 32.2                          | 9.55                   | 30.32                      | 100                  | 198                     | A                       | H               |
|                                      |                                                              | 5850.2               | 79.86               | -41.88                  | 121.74                      | 68.41                     | 32.2                          | 9.58                   | 30.33                      | 100                  | 198                     | P                       | H               |
|                                      |                                                              | 5857                 | 69.3                | -40.94                  | 110.24                      | 57.81                     | 32.23                         | 9.59                   | 30.33                      | 100                  | 198                     | P                       | H               |
|                                      |                                                              | 5875                 | 57.08               | -48.12                  | 105.2                       | 45.54                     | 32.27                         | 9.61                   | 30.34                      | 100                  | 198                     | P                       | H               |
|                                      |                                                              | 5940                 | 51.5                | -16.7                   | 68.2                        | 39.8                      | 32.4                          | 9.68                   | 30.38                      | 100                  | 198                     | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      | *                                                            | 5825                 | 114.8               | -                       | -                           | 103.37                    | 32.2                          | 9.55                   | 30.32                      | 323                  | 189                     | P                       | V               |
|                                      | *                                                            | 5825                 | 106.84              | -                       | -                           | 95.41                     | 32.2                          | 9.55                   | 30.32                      | 323                  | 189                     | A                       | V               |
|                                      |                                                              | 5850                 | 77.55               | -44.65                  | 122.2                       | 66.1                      | 32.2                          | 9.58                   | 30.33                      | 323                  | 189                     | P                       | V               |
|                                      |                                                              | 5855.8               | 64.09               | -46.49                  | 110.58                      | 52.61                     | 32.23                         | 9.58                   | 30.33                      | 323                  | 189                     | P                       | V               |
|                                      |                                                              | 5875                 | 53.85               | -51.35                  | 105.2                       | 42.31                     | 32.27                         | 9.61                   | 30.34                      | 323                  | 189                     | P                       | V               |
|                                      |                                                              | 5932                 | 50.96               | -17.24                  | 68.2                        | 39.29                     | 32.37                         | 9.67                   | 30.37                      | 323                  | 189                     | 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 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+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 149<br>5745MHz |                                                              | 11490                | 57.92               | -16.08                  | 74                          | 64.85                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 225                     | P                       | H               |
|                                      |                                                              | 11490                | 47.97               | -6.03                   | 54                          | 54.9                      | 40.17                         | 13.92                  | 61.02                      | 100                  | 225                     | A                       | H               |
|                                      |                                                              | 17235                | 49.78               | -18.42                  | 68.2                        | 50.72                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 11490                | 60.2                | -13.8                   | 74                          | 67.13                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 208                     | P                       | V               |
|                                      |                                                              | 11490                | 50.71               | -3.29                   | 54                          | 57.64                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 208                     | A                       | V               |
|                                      |                                                              | 17235                | 49.71               | -18.49                  | 68.2                        | 50.65                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 157<br>5785MHz |                                                              | 11570                | 58.9                | -15.1                   | 74                          | 65.89                     | 40                            | 13.95                  | 60.94                      | 100                  | 226                     | P                       | H               |
|                                      |                                                              | 11570                | 46.85               | -7.15                   | 54                          | 53.84                     | 40                            | 13.95                  | 60.94                      | 100                  | 226                     | A                       | H               |
|                                      |                                                              | 17355                | 50.19               | -18.01                  | 68.2                        | 50.1                      | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 11570                | 60.98               | -13.02                  | 74                          | 67.97                     | 40                            | 13.95                  | 60.94                      | 100                  | 206                     | P                       | V               |
|                                      |                                                              | 11570                | 49.78               | -4.22                   | 54                          | 56.77                     | 40                            | 13.95                  | 60.94                      | 100                  | 206                     | A                       | V               |
|                                      |                                                              | 17355                | 49.44               | -18.76                  | 68.2                        | 49.35                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | V               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11n<br>HT20<br>CH 165<br>5825MHz |                                                              | 11650                | 58.28               | -15.72                  | 74                          | 65.52                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 273                     | P                       | H               |
|                                      |                                                              | 11650                | 47.24               | -6.76                   | 54                          | 54.48                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 273                     | A                       | H               |
|                                      |                                                              | 17475                | 49.75               | -18.45                  | 68.2                        | 48.36                     | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 11650                | 58.59               | -15.41                  | 74                          | 65.83                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 208                     | P                       | V               |
|                                      |                                                              | 11650                | 48.83               | -5.17                   | 54                          | 56.07                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 208                     | A                       | V               |
|                                      |                                                              | 17475                | 49.86               | -18.34                  | 68.2                        | 48.47                     | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | 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<br>Ant.<br>1+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>802.11n<br/>HT40<br/>CH 151<br/>5755MHz</b> |      | 5647.6               | 57.01               | -11.19                  | 68.2                        | 46.26                     | 31.73                         | 9.24                   | 30.22                      | 100                  | 284                     | P                       | H               |
|                                                |      | 5697.4               | 77.7                | -25.58                  | 103.28                      | 66.82                     | 31.8                          | 9.33                   | 30.25                      | 100                  | 284                     | P                       | H               |
|                                                |      | 5718.8               | 91.26               | -19.2                   | 110.46                      | 80.22                     | 31.93                         | 9.37                   | 30.26                      | 100                  | 284                     | P                       | H               |
|                                                |      | 5720.6               | 92.76               | -19.41                  | 112.17                      | 81.72                     | 31.93                         | 9.37                   | 30.26                      | 100                  | 284                     | P                       | H               |
|                                                | *    | 5755                 | 117.06              | -                       | -                           | 105.82                    | 32.07                         | 9.44                   | 30.27                      | 100                  | 284                     | P                       | H               |
|                                                | *    | 5755                 | 108.78              | -                       | -                           | 97.54                     | 32.07                         | 9.44                   | 30.27                      | 100                  | 284                     | A                       | H               |
|                                                |      | 5850.2               | 58.45               | -63.29                  | 121.74                      | 47                        | 32.2                          | 9.58                   | 30.33                      | 100                  | 284                     | P                       | H               |
|                                                |      | 5867.6               | 58.65               | -48.62                  | 107.27                      | 47.16                     | 32.23                         | 9.6                    | 30.34                      | 100                  | 284                     | P                       | H               |
|                                                |      | 5875                 | 55.35               | -49.85                  | 105.2                       | 43.81                     | 32.27                         | 9.61                   | 30.34                      | 100                  | 284                     | P                       | H               |
|                                                |      | 5925                 | 52.68               | -15.52                  | 68.2                        | 41.02                     | 32.37                         | 9.66                   | 30.37                      | 100                  | 284                     | P                       | H               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                |      | 5646.8               | 52.71               | -15.49                  | 68.2                        | 41.96                     | 31.73                         | 9.24                   | 30.22                      | 331                  | 189                     | P                       | V               |
|                                                |      | 5697.6               | 69.83               | -33.6                   | 103.43                      | 58.95                     | 31.8                          | 9.33                   | 30.25                      | 331                  | 189                     | P                       | V               |
|                                                |      | 5716.8               | 86.85               | -23.06                  | 109.91                      | 75.87                     | 31.87                         | 9.37                   | 30.26                      | 331                  | 189                     | P                       | V               |
|                                                |      | 5720.8               | 86.81               | -25.81                  | 112.62                      | 75.77                     | 31.93                         | 9.37                   | 30.26                      | 331                  | 189                     | P                       | V               |
|                                                | *    | 5755                 | 113.09              | -                       | -                           | 101.85                    | 32.07                         | 9.44                   | 30.27                      | 331                  | 189                     | P                       | V               |
|                                                | *    | 5755                 | 105.3               | -                       | -                           | 94.06                     | 32.07                         | 9.44                   | 30.27                      | 331                  | 189                     | A                       | V               |
|                                                |      | 5851.4               | 52.39               | -66.62                  | 119.01                      | 40.94                     | 32.2                          | 9.58                   | 30.33                      | 331                  | 189                     | P                       | V               |
|                                                |      | 5859.2               | 54.44               | -55.18                  | 109.62                      | 42.96                     | 32.23                         | 9.59                   | 30.34                      | 331                  | 189                     | P                       | V               |
|                                                |      | 5900.8               | 51.72               | -34.35                  | 86.07                       | 40.14                     | 32.3                          | 9.64                   | 30.36                      | 331                  | 189                     | P                       | V               |
|                                                |      | 5935.2               | 51.31               | -16.89                  | 68.2                        | 39.64                     | 32.37                         | 9.68                   | 30.38                      | 331                  | 189                     | P                       | V               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1+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 |                                                              | 5637.8               | 51.17               | -17.03                  | 68.2                        | 40.44                     | 31.73                         | 9.22                   | 30.22                      | 100                  | 283                     | P                       | H               |
|                                      |                                                              | 5699.8               | 58.73               | -46.32                  | 105.05                      | 47.85                     | 31.8                          | 9.33                   | 30.25                      | 100                  | 283                     | P                       | H               |
|                                      |                                                              | 5719.8               | 67.03               | -43.71                  | 110.74                      | 55.99                     | 31.93                         | 9.37                   | 30.26                      | 100                  | 283                     | P                       | H               |
|                                      |                                                              | 5724.6               | 70.43               | -50.86                  | 121.29                      | 59.38                     | 31.93                         | 9.38                   | 30.26                      | 100                  | 283                     | P                       | H               |
|                                      | *                                                            | 5795                 | 116.73              | -                       | -                           | 105.32                    | 32.2                          | 9.51                   | 30.3                       | 100                  | 283                     | P                       | H               |
|                                      | *                                                            | 5795                 | 108.39              | -                       | -                           | 96.98                     | 32.2                          | 9.51                   | 30.3                       | 100                  | 283                     | A                       | H               |
|                                      |                                                              | 5854                 | 72.71               | -40.37                  | 113.08                      | 61.23                     | 32.23                         | 9.58                   | 30.33                      | 100                  | 283                     | P                       | H               |
|                                      |                                                              | 5857.6               | 72.84               | -37.23                  | 110.07                      | 61.35                     | 32.23                         | 9.59                   | 30.33                      | 100                  | 283                     | P                       | H               |
|                                      |                                                              | 5875.4               | 62.86               | -42.04                  | 104.9                       | 51.32                     | 32.27                         | 9.61                   | 30.34                      | 100                  | 283                     | P                       | H               |
|                                      |                                                              | 5925                 | 54.86               | -13.34                  | 68.2                        | 43.2                      | 32.37                         | 9.66                   | 30.37                      | 100                  | 283                     | P                       | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                      |                                                              | 5644.4               | 50.51               | -17.69                  | 68.2                        | 39.77                     | 31.73                         | 9.23                   | 30.22                      | 331                  | 189                     | P                       | V               |
|                                      |                                                              | 5698.8               | 53.24               | -51.08                  | 104.32                      | 42.36                     | 31.8                          | 9.33                   | 30.25                      | 331                  | 189                     | P                       | V               |
|                                      |                                                              | 5718.8               | 59.57               | -50.89                  | 110.46                      | 48.53                     | 31.93                         | 9.37                   | 30.26                      | 331                  | 189                     | P                       | V               |
|                                      |                                                              | 5722                 | 61.73               | -53.63                  | 115.36                      | 50.68                     | 31.93                         | 9.38                   | 30.26                      | 331                  | 189                     | P                       | V               |
|                                      | *                                                            | 5795                 | 112.91              | -                       | -                           | 101.5                     | 32.2                          | 9.51                   | 30.3                       | 331                  | 189                     | P                       | V               |
|                                      | *                                                            | 5795                 | 104.97              | -                       | -                           | 93.56                     | 32.2                          | 9.51                   | 30.3                       | 331                  | 189                     | A                       | V               |
|                                      |                                                              | 5854.6               | 68.99               | -42.72                  | 111.71                      | 57.51                     | 32.23                         | 9.58                   | 30.33                      | 331                  | 189                     | P                       | V               |
|                                      |                                                              | 5855.2               | 67.86               | -42.88                  | 110.74                      | 56.38                     | 32.23                         | 9.58                   | 30.33                      | 331                  | 189                     | P                       | V               |
|                                      |                                                              | 5876.2               | 59.21               | -45.1                   | 104.31                      | 47.67                     | 32.27                         | 9.61                   | 30.34                      | 331                  | 189                     | P                       | V               |
|                                      |                                                              | 5929.4               | 52.34               | -15.86                  | 68.2                        | 40.67                     | 32.37                         | 9.67                   | 30.37                      | 331                  | 189                     | 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<br>Ant.<br>1+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 151<br>5755MHz |                                                                                             | 11510                | 57.17               | -16.83                  | 74                          | 64.03                     | 40.2                          | 13.93                  | 60.99                      | 100                  | 234                     | P                     | H             |
|                                      |                                                                                             | 11510                | 48.72               | -5.28                   | 54                          | 55.58                     | 40.2                          | 13.93                  | 60.99                      | 100                  | 234                     | A                     | H             |
|                                      |                                                                                             | 17265                | 47.98               | -20.22                  | 68.2                        | 48.73                     | 40.8                          | 17.93                  | 59.48                      | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             | 11510                | 58.66               | -15.34                  | 74                          | 65.52                     | 40.2                          | 13.93                  | 60.99                      | 100                  | 205                     | P                     | V             |
|                                      |                                                                                             | 11510                | 50.94               | -3.06                   | 54                          | 57.8                      | 40.2                          | 13.93                  | 60.99                      | 100                  | 205                     | A                     | V             |
|                                      |                                                                                             | 17265                | 48.3                | -19.9                   | 68.2                        | 49.05                     | 40.8                          | 17.93                  | 59.48                      | 100                  | 0                       | P                     | V             |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       | V             |
| 802.11n<br>HT40<br>CH 159<br>5795MHz |                                                                                             | 11590                | 55.08               | -18.92                  | 74                          | 62.1                      | 39.95                         | 13.96                  | 60.93                      | 100                  | 273                     | P                     | H             |
|                                      |                                                                                             | 11590                | 46.04               | -7.96                   | 54                          | 53.06                     | 39.95                         | 13.96                  | 60.93                      | 100                  | 273                     | A                     | H             |
|                                      |                                                                                             | 17385                | 51.54               | -16.66                  | 68.2                        | 51.07                     | 41.73                         | 18.08                  | 59.34                      | 100                  | 0                       | P                     | H             |
|                                      |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                       | H             |
|                                      |                                                                                             | 11590                | 57.01               | -16.99                  | 74                          | 64.03                     | 39.95                         | 13.96                  | 60.93                      | 222                  | 205                     | P                     | V             |
|                                      |                                                                                             | 11590                | 48.31               | -5.69                   | 54                          | 55.33                     | 39.95                         | 13.96                  | 60.93                      | 222                  | 205                     | A                     | V             |
|                                      |                                                                                             | 17385                | 51.37               | -16.83                  | 68.2                        | 50.9                      | 41.73                         | 18.08                  | 59.34                      | 100                  | 0                       | P                     | 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 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+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 ) |
|----------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                              | 5649.4               | 64.9                | -3.3                    | 68.2                        | 54.15                     | 31.73                         | 9.24                   | 30.22                      | 100                  | 287                     | P                       | H               |
|                                        |                                                              | 5699.2               | 83.74               | -20.87                  | 104.61                      | 72.86                     | 31.8                          | 9.33                   | 30.25                      | 100                  | 287                     | P                       | H               |
|                                        |                                                              | 5718.8               | 87.28               | -23.18                  | 110.46                      | 76.24                     | 31.93                         | 9.37                   | 30.26                      | 100                  | 287                     | P                       | H               |
|                                        |                                                              | 5720.8               | 88.21               | -24.41                  | 112.62                      | 77.17                     | 31.93                         | 9.37                   | 30.26                      | 100                  | 287                     | P                       | H               |
|                                        | *                                                            | 5775                 | 113.13              | -                       | -                           | 101.82                    | 32.13                         | 9.47                   | 30.29                      | 100                  | 287                     | P                       | H               |
|                                        | *                                                            | 5775                 | 105.09              | -                       | -                           | 93.78                     | 32.13                         | 9.47                   | 30.29                      | 100                  | 287                     | A                       | H               |
|                                        |                                                              | 5850.4               | 80.51               | -40.78                  | 121.29                      | 69.06                     | 32.2                          | 9.58                   | 30.33                      | 100                  | 287                     | P                       | H               |
|                                        |                                                              | 5860.8               | 82.83               | -26.34                  | 109.17                      | 71.35                     | 32.23                         | 9.59                   | 30.34                      | 100                  | 287                     | P                       | H               |
|                                        |                                                              | 5877                 | 74.56               | -29.15                  | 103.71                      | 63.02                     | 32.27                         | 9.61                   | 30.34                      | 100                  | 287                     | P                       | H               |
|                                        |                                                              | 5925.8               | 57.44               | -10.76                  | 68.2                        | 45.78                     | 32.37                         | 9.66                   | 30.37                      | 100                  | 287                     | P                       | H               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              | 5646.8               | 55.41               | -12.79                  | 68.2                        | 44.66                     | 31.73                         | 9.24                   | 30.22                      | 330                  | 203                     | P                       | V               |
|                                        |                                                              | 5689.6               | 73.22               | -24.31                  | 97.53                       | 62.35                     | 31.8                          | 9.32                   | 30.25                      | 330                  | 203                     | P                       | V               |
|                                        |                                                              | 5719                 | 80.39               | -30.13                  | 110.52                      | 69.35                     | 31.93                         | 9.37                   | 30.26                      | 330                  | 203                     | P                       | V               |
|                                        |                                                              | 5723.2               | 80.66               | -37.44                  | 118.1                       | 69.61                     | 31.93                         | 9.38                   | 30.26                      | 330                  | 203                     | P                       | V               |
|                                        | *                                                            | 5775                 | 108.87              | -                       | -                           | 97.56                     | 32.13                         | 9.47                   | 30.29                      | 330                  | 203                     | P                       | V               |
|                                        | *                                                            | 5775                 | 101.35              | -                       | -                           | 90.04                     | 32.13                         | 9.47                   | 30.29                      | 330                  | 203                     | A                       | V               |
|                                        |                                                              | 5850                 | 77.61               | -44.59                  | 122.2                       | 66.16                     | 32.2                          | 9.58                   | 30.33                      | 330                  | 203                     | P                       | V               |
|                                        |                                                              | 5868                 | 74.27               | -32.89                  | 107.16                      | 62.78                     | 32.23                         | 9.6                    | 30.34                      | 330                  | 203                     | P                       | V               |
|                                        |                                                              | 5883.2               | 66.36               | -32.75                  | 99.11                       | 54.81                     | 32.27                         | 9.62                   | 30.34                      | 330                  | 203                     | P                       | V               |
|                                        |                                                              | 5927.4               | 53.63               | -14.57                  | 68.2                        | 41.96                     | 32.37                         | 9.67                   | 30.37                      | 330                  | 203                     | 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<br>Ant.<br>1+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>802.11ac<br/>VHT80<br/>CH 155<br/>5775MHz</b> |                                                                                             | 11550                | 52.94               | -21.06                  | 74                          | 59.9                      | 40.05                         | 13.95                  | 60.96                      | 100                  | 225                     | P                       | H               |
|                                                  |                                                                                             | 11550                | 45.1                | -8.9                    | 54                          | 52.06                     | 40.05                         | 13.95                  | 60.96                      | 100                  | 225                     | A                       | H               |
|                                                  |                                                                                             | 17325                | 50.76               | -17.44                  | 68.2                        | 51.08                     | 41.07                         | 18.02                  | 59.41                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             | 11550                | 55.35               | -18.65                  | 74                          | 62.31                     | 40.05                         | 13.95                  | 60.96                      | 100                  | 206                     | P                       | V               |
|                                                  |                                                                                             | 11550                | 46.89               | -7.11                   | 54                          | 53.85                     | 40.05                         | 13.95                  | 60.96                      | 100                  | 206                     | A                       | V               |
|                                                  |                                                                                             | 17325                | 50.33               | -17.87                  | 68.2                        | 50.65                     | 41.07                         | 18.02                  | 59.41                      | 100                  | 0                       | P                       | V               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b>                                    | 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<br>Ant.<br>1+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>5GHz<br/>802.11ac<br/>VHT80<br/>LF</b> |                                                                            | 70.74                | 31.09               | -8.91                   | 40                          | 50.1                    | 12.45                         | 1.1                    | 32.56                      |                      |                         | P                     | H             |
|                                           |                                                                            | 139.61               | 38.14               | -5.36                   | 43.5                        | 51.53                   | 17.6                          | 1.51                   | 32.5                       | 201                  | 294                     | Q                     | H             |
|                                           |                                                                            | 238.55               | 31.56               | -14.44                  | 46                          | 44.96                   | 17.13                         | 1.98                   | 32.51                      |                      |                         | P                     | H             |
|                                           |                                                                            | 307.42               | 35.47               | -10.53                  | 46                          | 46.5                    | 19.3                          | 2.21                   | 32.54                      |                      |                         | P                     | H             |
|                                           |                                                                            | 472.32               | 24.76               | -21.24                  | 46                          | 31.16                   | 23.5                          | 2.66                   | 32.56                      |                      |                         | P                     | H             |
|                                           |                                                                            | 872.93               | 32.8                | -13.2                   | 46                          | 31.91                   | 29                            | 3.69                   | 31.8                       |                      |                         | P                     | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            | 37.76                | 33.3                | -6.7                    | 40                          | 44.02                   | 21.12                         | 0.77                   | 32.61                      | 100                  | 339                     | Q                     | V             |
|                                           |                                                                            | 153.19               | 36.46               | -7.04                   | 43.5                        | 50.44                   | 16.9                          | 1.62                   | 32.5                       |                      |                         | P                     | V             |
|                                           |                                                                            | 237.58               | 24.66               | -21.34                  | 46                          | 38.19                   | 17.01                         | 1.97                   | 32.51                      |                      |                         | P                     | V             |
|                                           |                                                                            | 305.48               | 29.47               | -16.53                  | 46                          | 40.5                    | 19.3                          | 2.21                   | 32.54                      |                      |                         | P                     | V             |
|                                           |                                                                            | 627.52               | 27.36               | -18.64                  | 46                          | 30.55                   | 26.25                         | 3.11                   | 32.55                      |                      |                         | P                     | V             |
|                                           |                                                                            | 878.75               | 31.48               | -14.52                  | 46                          | 30.55                   | 29                            | 3.7                    | 31.77                      |                      |                         | P                     | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| <b>Remark</b>                             | 1. No other spurious found.<br>2. All results are PASS against limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



&lt;TXBF Mode&gt;

**Band 4 5725~5850MHz**  
**WIFI 802.11ac VHT20 (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+2                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT20<br>CH 149<br>5745MHz |      | 5644.6    | 51.01      | -17.19 | 68.2       | 40.27    | 31.73    | 9.23   | 30.22  | 100    | 151     | P       | H       |
|                                        |      | 5683.2    | 56.87      | -35.93 | 92.8       | 46.07    | 31.75    | 9.3    | 30.25  | 100    | 151     | P       | H       |
|                                        |      | 5719.8    | 61.01      | -49.73 | 110.74     | 49.97    | 31.93    | 9.37   | 30.26  | 100    | 151     | P       | H       |
|                                        |      | 5724.4    | 64.64      | -56.19 | 120.83     | 53.59    | 31.93    | 9.38   | 30.26  | 100    | 151     | P       | H       |
|                                        | *    | 5745      | 115.46     | -      | -          | 104.31   | 32       | 9.42   | 30.27  | 100    | 151     | P       | H       |
|                                        | *    | 5745      | 100.85     | -      | -          | 89.7     | 32       | 9.42   | 30.27  | 100    | 151     | A       | H       |
|                                        |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |      | 5609.4    | 50.13      | -18.07 | 68.2       | 39.37    | 31.8     | 9.17   | 30.21  | 400    | 224     | P       | V       |
|                                        |      | 5698.4    | 54.55      | -49.47 | 104.02     | 43.67    | 31.8     | 9.33   | 30.25  | 400    | 224     | P       | V       |
|                                        |      | 5715.6    | 56.82      | -52.75 | 109.57     | 45.85    | 31.87    | 9.36   | 30.26  | 400    | 224     | P       | V       |
|                                        |      | 5725      | 61.57      | -60.63 | 122.2      | 50.52    | 31.93    | 9.38   | 30.26  | 400    | 224     | P       | V       |
|                                        | *    | 5745      | 111.2      | -      | -          | 100.05   | 32       | 9.42   | 30.27  | 400    | 224     | P       | V       |
|                                        | *    | 5745      | 96.36      | -      | -          | 85.21    | 32       | 9.42   | 30.27  | 400    | 224     | A       | V       |
|                                        |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| WIFI<br>Ant.<br>1+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>802.11ac</b><br><b>VHT20</b><br><b>CH 157</b><br><b>5785MHz</b> |      | 5625                 | 51.08               | -17.12                  | 68.2                        | 40.32                     | 31.77                         | 9.2                    | 30.21                      | 100                  | 152                     | P                       | H               |
|                                                                    |      | 5661.2               | 50.34               | -26.18                  | 76.52                       | 39.61                     | 31.7                          | 9.26                   | 30.23                      | 100                  | 152                     | P                       | H               |
|                                                                    |      | 5717.2               | 53.01               | -57.01                  | 110.02                      | 42.03                     | 31.87                         | 9.37                   | 30.26                      | 100                  | 152                     | P                       | H               |
|                                                                    |      | 5722.8               | 54.13               | -63.05                  | 117.18                      | 43.08                     | 31.93                         | 9.38                   | 30.26                      | 100                  | 152                     | P                       | H               |
|                                                                    | *    | 5785                 | 115.81              | -                       | -                           | 104.49                    | 32.13                         | 9.49                   | 30.3                       | 100                  | 152                     | P                       | H               |
|                                                                    | *    | 5785                 | 101                 | -                       | -                           | 89.68                     | 32.13                         | 9.49                   | 30.3                       | 100                  | 152                     | A                       | H               |
|                                                                    |      | 5851.2               | 52.22               | -67.24                  | 119.46                      | 40.77                     | 32.2                          | 9.58                   | 30.33                      | 100                  | 152                     | P                       | H               |
|                                                                    |      | 5869.4               | 51.88               | -54.89                  | 106.77                      | 40.39                     | 32.23                         | 9.6                    | 30.34                      | 100                  | 152                     | P                       | H               |
|                                                                    |      | 5898                 | 51.82               | -36.32                  | 88.14                       | 40.25                     | 32.3                          | 9.63                   | 30.36                      | 100                  | 152                     | P                       | H               |
|                                                                    |      | 5933                 | 52.07               | -16.13                  | 68.2                        | 40.4                      | 32.37                         | 9.67                   | 30.37                      | 100                  | 152                     | P                       | H               |
|                                                                    |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                    |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                    |      | 5608.8               | 50.72               | -17.48                  | 68.2                        | 39.96                     | 31.8                          | 9.17                   | 30.21                      | 360                  | 220                     | P                       | V               |
|                                                                    |      | 5680.8               | 49.97               | -41.06                  | 91.03                       | 39.17                     | 31.75                         | 9.3                    | 30.25                      | 360                  | 220                     | P                       | V               |
|                                                                    |      | 5703.8               | 50.01               | -56.26                  | 106.27                      | 39.05                     | 31.87                         | 9.34                   | 30.25                      | 360                  | 220                     | P                       | V               |
|                                                                    |      | 5722.6               | 52.14               | -64.59                  | 116.73                      | 41.09                     | 31.93                         | 9.38                   | 30.26                      | 360                  | 220                     | P                       | V               |
|                                                                    | *    | 5785                 | 112.08              | -                       | -                           | 100.76                    | 32.13                         | 9.49                   | 30.3                       | 360                  | 220                     | P                       | V               |
|                                                                    | *    | 5785                 | 96.86               | -                       | -                           | 85.54                     | 32.13                         | 9.49                   | 30.3                       | 360                  | 220                     | A                       | V               |
|                                                                    |      | 5853.4               | 49.65               | -64.8                   | 114.45                      | 38.2                      | 32.2                          | 9.58                   | 30.33                      | 360                  | 220                     | P                       | V               |
|                                                                    |      | 5871.6               | 51.72               | -54.43                  | 106.15                      | 40.19                     | 32.27                         | 9.6                    | 30.34                      | 360                  | 220                     | P                       | V               |
|                                                                    |      | 5901                 | 51.13               | -34.79                  | 85.92                       | 39.55                     | 32.3                          | 9.64                   | 30.36                      | 360                  | 220                     | P                       | V               |
|                                                                    |      | 5931.4               | 51.46               | -16.74                  | 68.2                        | 39.79                     | 32.37                         | 9.67                   | 30.37                      | 360                  | 220                     | P                       | V               |
|                                                                    |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                                    |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1+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 ) |
|----------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 165<br>5825MHz | *                                                            | 5825                 | 115.59              | -                       | -                           | 104.16                    | 32.2                          | 9.55                   | 30.32                      | 100                  | 156                     | P                       | H               |
|                                        | *                                                            | 5825                 | 101.03              | -                       | -                           | 89.6                      | 32.2                          | 9.55                   | 30.32                      | 100                  | 156                     | A                       | H               |
|                                        |                                                              | 5850.8               | 62.05               | -58.33                  | 120.38                      | 50.6                      | 32.2                          | 9.58                   | 30.33                      | 100                  | 156                     | P                       | H               |
|                                        |                                                              | 5858.4               | 61.6                | -48.25                  | 109.85                      | 50.12                     | 32.23                         | 9.59                   | 30.34                      | 100                  | 156                     | P                       | H               |
|                                        |                                                              | 5914.8               | 54.63               | -21.09                  | 75.72                       | 43.02                     | 32.33                         | 9.65                   | 30.37                      | 100                  | 156                     | P                       | H               |
|                                        |                                                              | 5948.6               | 52.09               | -16.11                  | 68.2                        | 40.38                     | 32.4                          | 9.69                   | 30.38                      | 100                  | 156                     | P                       | H               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        | *                                                            | 5825                 | 111.87              | -                       | -                           | 100.44                    | 32.2                          | 9.55                   | 30.32                      | 399                  | 195                     | P                       | V               |
|                                        | *                                                            | 5825                 | 96.47               | -                       | -                           | 85.04                     | 32.2                          | 9.55                   | 30.32                      | 399                  | 195                     | A                       | V               |
|                                        |                                                              | 5851.6               | 59.72               | -58.83                  | 118.55                      | 48.27                     | 32.2                          | 9.58                   | 30.33                      | 399                  | 195                     | P                       | V               |
|                                        |                                                              | 5857.6               | 59.3                | -50.77                  | 110.07                      | 47.81                     | 32.23                         | 9.59                   | 30.33                      | 399                  | 195                     | P                       | V               |
|                                        |                                                              | 5875.2               | 55.75               | -49.3                   | 105.05                      | 44.21                     | 32.27                         | 9.61                   | 30.34                      | 399                  | 195                     | P                       | V               |
|                                        |                                                              | 5930.6               | 51.57               | -16.63                  | 68.2                        | 39.9                      | 32.37                         | 9.67                   | 30.37                      | 399                  | 195                     | 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 VHT20 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 149<br>5745MHz |                                                                                             | 11490                | 47.71               | -26.29                  | 74                          | 54.64                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17235                | 49.34               | -18.86                  | 68.2                        | 50.28                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11490                | 48.61               | -25.39                  | 74                          | 55.54                     | 40.17                         | 13.92                  | 61.02                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17235                | 48.35               | -19.85                  | 68.2                        | 49.29                     | 40.7                          | 17.88                  | 59.52                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 157<br>5785MHz |                                                                                             | 11570                | 47.81               | -26.19                  | 74                          | 54.8                      | 40                            | 13.95                  | 60.94                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17355                | 50.58               | -17.62                  | 68.2                        | 50.49                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11570                | 48.18               | -25.82                  | 74                          | 55.17                     | 40                            | 13.95                  | 60.94                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17355                | 50.03               | -18.17                  | 68.2                        | 49.94                     | 41.4                          | 18.06                  | 59.37                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 165<br>5825MHz |                                                                                             | 11650                | 47.86               | -26.14                  | 74                          | 55.1                      | 39.66                         | 13.98                  | 60.88                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17475                | 49.66               | -18.54                  | 68.2                        | 48.27                     | 42.43                         | 18.19                  | 59.23                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11650                | 47.83               | -26.17                  | 74                          | 55.07                     | 39.66                         | 13.98                  | 60.88                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17475                | 50.67               | -17.53                  | 68.2                        | 49.28                     | 42.43                         | 18.19                  | 59.23                      | 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 802.11ac VHT40 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+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 ) |
|----------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 151<br>5755MHz |      | 5644.8               | 53.67               | -14.53                  | 68.2                        | 42.93                     | 31.73                         | 9.23                   | 30.22                      | 100                  | 155                     | P                       | H               |
|                                        |      | 5697                 | 63.14               | -39.85                  | 102.99                      | 52.26                     | 31.8                          | 9.33                   | 30.25                      | 100                  | 155                     | P                       | H               |
|                                        |      | 5718.6               | 65.86               | -44.55                  | 110.41                      | 54.82                     | 31.93                         | 9.37                   | 30.26                      | 100                  | 155                     | P                       | H               |
|                                        |      | 5723.2               | 67.81               | -50.29                  | 118.1                       | 56.76                     | 31.93                         | 9.38                   | 30.26                      | 100                  | 155                     | P                       | H               |
|                                        | *    | 5755                 | 113.28              | -                       | -                           | 102.04                    | 32.07                         | 9.44                   | 30.27                      | 100                  | 155                     | P                       | H               |
|                                        | *    | 5755                 | 102.22              | -                       | -                           | 90.98                     | 32.07                         | 9.44                   | 30.27                      | 100                  | 155                     | A                       | H               |
|                                        |      | 5853.6               | 53.1                | -60.89                  | 113.99                      | 41.62                     | 32.23                         | 9.58                   | 30.33                      | 100                  | 155                     | P                       | H               |
|                                        |      | 5856                 | 54.57               | -55.95                  | 110.52                      | 43.09                     | 32.23                         | 9.58                   | 30.33                      | 100                  | 155                     | P                       | H               |
|                                        |      | 5876.4               | 51.89               | -52.27                  | 104.16                      | 40.35                     | 32.27                         | 9.61                   | 30.34                      | 100                  | 155                     | P                       | H               |
|                                        |      | 5947.4               | 51.36               | -16.84                  | 68.2                        | 39.65                     | 32.4                          | 9.69                   | 30.38                      | 100                  | 155                     | P                       | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5637.6               | 50.36               | -17.84                  | 68.2                        | 39.63                     | 31.73                         | 9.22                   | 30.22                      | 363                  | 222                     | P                       | V               |
|                                        |      | 5692.4               | 59.13               | -40.47                  | 99.6                        | 48.26                     | 31.8                          | 9.32                   | 30.25                      | 363                  | 222                     | P                       | V               |
|                                        |      | 5719.6               | 62.93               | -47.76                  | 110.69                      | 51.89                     | 31.93                         | 9.37                   | 30.26                      | 363                  | 222                     | P                       | V               |
|                                        |      | 5723.2               | 63.62               | -54.48                  | 118.1                       | 52.57                     | 31.93                         | 9.38                   | 30.26                      | 363                  | 222                     | P                       | V               |
|                                        | *    | 5755                 | 109.23              | -                       | -                           | 97.99                     | 32.07                         | 9.44                   | 30.27                      | 363                  | 222                     | P                       | V               |
|                                        | *    | 5755                 | 98.9                | -                       | -                           | 87.66                     | 32.07                         | 9.44                   | 30.27                      | 363                  | 222                     | A                       | V               |
|                                        |      | 5852.4               | 50.86               | -65.87                  | 116.73                      | 39.41                     | 32.2                          | 9.58                   | 30.33                      | 363                  | 222                     | P                       | V               |
|                                        |      | 5855.8               | 51.84               | -58.74                  | 110.58                      | 40.36                     | 32.23                         | 9.58                   | 30.33                      | 363                  | 222                     | P                       | V               |
|                                        |      | 5894.8               | 51.68               | -38.83                  | 90.51                       | 40.11                     | 32.3                          | 9.63                   | 30.36                      | 363                  | 222                     | P                       | V               |
|                                        |      | 5929.4               | 50.75               | -17.45                  | 68.2                        | 39.08                     | 32.37                         | 9.67                   | 30.37                      | 363                  | 222                     | P                       | V               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1+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 ) |
|----------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 159<br>5795MHz |                                                              | 5631                 | 50.3                | -17.9                   | 68.2                        | 39.54                     | 31.77                         | 9.21                   | 30.22                      | 100                  | 185                     | P                       | H               |
|                                        |                                                              | 5684                 | 52.48               | -40.92                  | 93.4                        | 41.62                     | 31.8                          | 9.31                   | 30.25                      | 100                  | 185                     | P                       | H               |
|                                        |                                                              | 5707.8               | 54.59               | -52.8                   | 107.39                      | 43.63                     | 31.87                         | 9.35                   | 30.26                      | 100                  | 185                     | P                       | H               |
|                                        |                                                              | 5720.6               | 53.14               | -59.03                  | 112.17                      | 42.1                      | 31.93                         | 9.37                   | 30.26                      | 100                  | 185                     | P                       | H               |
|                                        | *                                                            | 5795                 | 113.54              | -                       | -                           | 102.13                    | 32.2                          | 9.51                   | 30.3                       | 100                  | 185                     | P                       | H               |
|                                        | *                                                            | 5795                 | 103.22              | -                       | -                           | 91.81                     | 32.2                          | 9.51                   | 30.3                       | 100                  | 185                     | A                       | H               |
|                                        |                                                              | 5852.4               | 57.05               | -59.68                  | 116.73                      | 45.6                      | 32.2                          | 9.58                   | 30.33                      | 100                  | 185                     | P                       | H               |
|                                        |                                                              | 5862.8               | 61.67               | -46.94                  | 108.61                      | 50.19                     | 32.23                         | 9.59                   | 30.34                      | 100                  | 185                     | P                       | H               |
|                                        |                                                              | 5880.6               | 56.95               | -44.09                  | 101.04                      | 45.41                     | 32.27                         | 9.61                   | 30.34                      | 100                  | 185                     | P                       | H               |
|                                        |                                                              | 5925                 | 53.23               | -14.97                  | 68.2                        | 41.57                     | 32.37                         | 9.66                   | 30.37                      | 100                  | 185                     | P                       | H               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              | 5618.8               | 50.7                | -17.5                   | 68.2                        | 39.96                     | 31.77                         | 9.18                   | 30.21                      | 397                  | 220                     | P                       | V               |
|                                        |                                                              | 5699.2               | 51.98               | -52.63                  | 104.61                      | 41.1                      | 31.8                          | 9.33                   | 30.25                      | 397                  | 220                     | P                       | V               |
|                                        |                                                              | 5716.6               | 51.83               | -58.02                  | 109.85                      | 40.85                     | 31.87                         | 9.37                   | 30.26                      | 397                  | 220                     | P                       | V               |
|                                        |                                                              | 5721                 | 51.6                | -61.48                  | 113.08                      | 40.56                     | 31.93                         | 9.37                   | 30.26                      | 397                  | 220                     | P                       | V               |
|                                        | *                                                            | 5795                 | 108.83              | -                       | -                           | 97.42                     | 32.2                          | 9.51                   | 30.3                       | 397                  | 220                     | P                       | V               |
|                                        | *                                                            | 5795                 | 98.7                | -                       | -                           | 87.29                     | 32.2                          | 9.51                   | 30.3                       | 397                  | 220                     | A                       | V               |
|                                        |                                                              | 5850.6               | 52.47               | -68.36                  | 120.83                      | 41.02                     | 32.2                          | 9.58                   | 30.33                      | 397                  | 220                     | P                       | V               |
|                                        |                                                              | 5856.6               | 54.55               | -55.8                   | 110.35                      | 43.06                     | 32.23                         | 9.59                   | 30.33                      | 397                  | 220                     | P                       | V               |
|                                        |                                                              | 5904.8               | 52.4                | -30.71                  | 83.11                       | 40.79                     | 32.33                         | 9.64                   | 30.36                      | 397                  | 220                     | P                       | V               |
|                                        |                                                              | 5933.4               | 51.86               | -16.34                  | 68.2                        | 40.19                     | 32.37                         | 9.67                   | 30.37                      | 397                  | 220                     | 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 VHT40 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 151<br>5755MHz |                                                                                             | 11510                | 48.8                | -25.2                   | 74                          | 55.66                     | 40.2                          | 13.93                  | 60.99                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17265                | 48.03               | -20.17                  | 68.2                        | 48.78                     | 40.8                          | 17.93                  | 59.48                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11510                | 48.82               | -25.18                  | 74                          | 55.68                     | 40.2                          | 13.93                  | 60.99                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17265                | 48.17               | -20.03                  | 68.2                        | 48.92                     | 40.8                          | 17.93                  | 59.48                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT40<br>CH 159<br>5795MHz |                                                                                             | 11590                | 48.91               | -25.09                  | 74                          | 55.93                     | 39.95                         | 13.96                  | 60.93                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17385                | 50.25               | -17.95                  | 68.2                        | 49.78                     | 41.73                         | 18.08                  | 59.34                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11590                | 49.32               | -24.68                  | 74                          | 56.34                     | 39.95                         | 13.96                  | 60.93                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17385                | 51                  | -17.2                   | 68.2                        | 50.53                     | 41.73                         | 18.08                  | 59.34                      | 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 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                                                             | 5617                 | 52.72               | -15.48                  | 68.2                        | 41.98                     | 31.77                         | 9.18                   | 30.21                      | 100                  | 156                     | P                       | H               |
|                                        |                                                                                             | 5700                 | 63.43               | -41.77                  | 105.2                       | 52.54                     | 31.8                          | 9.34                   | 30.25                      | 100                  | 156                     | P                       | H               |
|                                        |                                                                                             | 5710                 | 64.55               | -43.45                  | 108                         | 53.59                     | 31.87                         | 9.35                   | 30.26                      | 100                  | 156                     | P                       | H               |
|                                        |                                                                                             | 5721                 | 65.08               | -48                     | 113.08                      | 54.04                     | 31.93                         | 9.37                   | 30.26                      | 100                  | 156                     | P                       | H               |
|                                        | *                                                                                           | 5775                 | 112.4               | -                       | -                           | 101.09                    | 32.13                         | 9.47                   | 30.29                      | 100                  | 156                     | P                       | H               |
|                                        | *                                                                                           | 5775                 | 99.18               | -                       | -                           | 87.87                     | 32.13                         | 9.47                   | 30.29                      | 100                  | 156                     | A                       | H               |
|                                        |                                                                                             | 5851.4               | 60.07               | -58.94                  | 119.01                      | 48.62                     | 32.2                          | 9.58                   | 30.33                      | 100                  | 156                     | P                       | H               |
|                                        |                                                                                             | 5855.6               | 60.85               | -49.78                  | 110.63                      | 49.37                     | 32.23                         | 9.58                   | 30.33                      | 100                  | 156                     | P                       | H               |
|                                        |                                                                                             | 5883.4               | 54.29               | -44.67                  | 98.96                       | 42.76                     | 32.27                         | 9.62                   | 30.36                      | 100                  | 156                     | P                       | H               |
|                                        |                                                                                             | 5942.8               | 51.85               | -16.35                  | 68.2                        | 40.15                     | 32.4                          | 9.68                   | 30.38                      | 100                  | 156                     | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 5642.6               | 50.68               | -17.52                  | 68.2                        | 39.94                     | 31.73                         | 9.23                   | 30.22                      | 378                  | 226                     | P                       | V               |
|                                        |                                                                                             | 5698                 | 57.01               | -46.72                  | 103.73                      | 46.13                     | 31.8                          | 9.33                   | 30.25                      | 378                  | 226                     | P                       | V               |
|                                        |                                                                                             | 5710                 | 59.09               | -48.91                  | 108                         | 48.13                     | 31.87                         | 9.35                   | 30.26                      | 378                  | 226                     | P                       | V               |
|                                        |                                                                                             | 5721.4               | 60.4                | -53.59                  | 113.99                      | 49.36                     | 31.93                         | 9.37                   | 30.26                      | 378                  | 226                     | P                       | V               |
|                                        | *                                                                                           | 5775                 | 107.68              | -                       | -                           | 96.37                     | 32.13                         | 9.47                   | 30.29                      | 378                  | 226                     | P                       | V               |
|                                        | *                                                                                           | 5775                 | 95.27               | -                       | -                           | 83.96                     | 32.13                         | 9.47                   | 30.29                      | 378                  | 226                     | A                       | V               |
|                                        |                                                                                             | 5852.8               | 59.47               | -56.35                  | 115.82                      | 48.02                     | 32.2                          | 9.58                   | 30.33                      | 378                  | 226                     | P                       | V               |
|                                        |                                                                                             | 5858                 | 58.18               | -51.78                  | 109.96                      | 46.7                      | 32.23                         | 9.59                   | 30.34                      | 378                  | 226                     | P                       | V               |
|                                        |                                                                                             | 5878.4               | 53.02               | -49.65                  | 102.67                      | 41.48                     | 32.27                         | 9.61                   | 30.34                      | 378                  | 226                     | P                       | V               |
|                                        |                                                                                             | 5936.4               | 51.73               | -16.47                  | 68.2                        | 40.06                     | 32.37                         | 9.68                   | 30.38                      | 378                  | 226                     | 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 802.11ac VHT80 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+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>802.11ac<br/>VHT80<br/>CH 155<br/>5775MHz</b> |                                                                                             | 11550                | 49.75               | -24.25                  | 74                          | 56.71                     | 40.05                         | 13.95                  | 60.96                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             | 17325                | 49.19               | -19.01                  | 68.2                        | 49.51                     | 41.07                         | 18.02                  | 59.41                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             | 11550                | 48.6                | -25.4                   | 74                          | 55.56                     | 40.05                         | 13.95                  | 60.96                      | 100                  | 0                       | P                       | V               |
|                                                  |                                                                                             | 17325                | 50.16               | -18.04                  | 68.2                        | 50.48                     | 41.07                         | 18.02                  | 59.41                      | 100                  | 0                       | P                       | V               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**Emission below 1GHz**  
**5GHz WIFI 802.11ac VHT40 (LF @ 3m)**

| WIFI<br>Ant.<br>1+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>5GHz<br/>802.11ac<br/>VHT40<br/>LF</b> |                                                                            | 82.38                | 33.31               | -6.69                   | 40                          | 50.88                   | 13.78                         | 1.1                    | 32.54                      |                      |                         | P                     | H             |
|                                           |                                                                            | 138.64               | 37.04               | -6.46                   | 43.5                        | 50.44                   | 17.6                          | 1.41                   | 32.5                       | 184                  | 173                     | Q                     | H             |
|                                           |                                                                            | 306.45               | 34.98               | -11.02                  | 46                          | 46.01                   | 19.3                          | 2.09                   | 32.54                      |                      |                         | P                     | H             |
|                                           |                                                                            | 455.83               | 33.12               | -12.88                  | 46                          | 39.85                   | 23.22                         | 2.52                   | 32.56                      |                      |                         | P                     | H             |
|                                           |                                                                            | 623.64               | 31.38               | -14.62                  | 46                          | 34.81                   | 26.02                         | 2.95                   | 32.55                      |                      |                         | P                     | H             |
|                                           |                                                                            | 768.17               | 35.15               | -10.85                  | 46                          | 35.59                   | 28.44                         | 3.24                   | 32.26                      |                      |                         | P                     | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                           |                                                                            | 31.94                | 35.34               | -4.66                   | 40                          | 43.13                   | 24.14                         | 0.69                   | 32.62                      | 100                  | 0                       | Q                     | V             |
|                                           |                                                                            | 149.31               | 36.16               | -7.34                   | 43.5                        | 49.9                    | 17.17                         | 1.46                   | 32.5                       |                      |                         | P                     | V             |
|                                           |                                                                            | 302.57               | 32.05               | -13.95                  | 46                          | 43.08                   | 19.3                          | 2.08                   | 32.54                      |                      |                         | P                     | V             |
|                                           |                                                                            | 455.83               | 31.96               | -14.04                  | 46                          | 38.69                   | 23.22                         | 2.52                   | 32.56                      |                      |                         | P                     | V             |
|                                           |                                                                            | 551.86               | 30.59               | -15.41                  | 46                          | 34.82                   | 25.4                          | 2.77                   | 32.59                      |                      |                         | P                     | V             |
|                                           |                                                                            | 768.17               | 33.4                | -12.6                   | 46                          | 33.84                   | 28.44                         | 3.24                   | 32.26                      |                      |                         | P                     | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
|                                           |                                                                            |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       | V             |
| <b>Remark</b>                             | 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>Peak</b> or <b>Average</b>                                                                                                                            |
| H/V | <b>Horizontal</b> or <b>Vertical</b>                                                                                                                     |

**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       |      | ( 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 C. Radiated Spurious Emission Plots

|                        |                                      |                            |         |
|------------------------|--------------------------------------|----------------------------|---------|
| <b>Test Engineer :</b> | Watt Tseng 、 Karl Hou 、 BigShow Wang | <b>Temperature :</b>       | 24~26°C |
|                        |                                      | <b>Relative Humidity :</b> | 52~57%  |

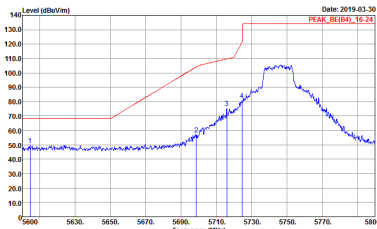
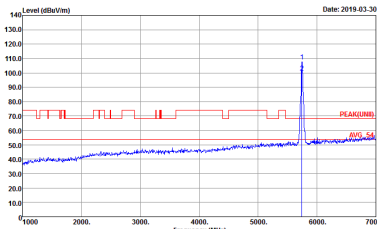
### Note symbol

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

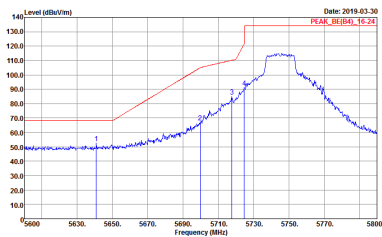
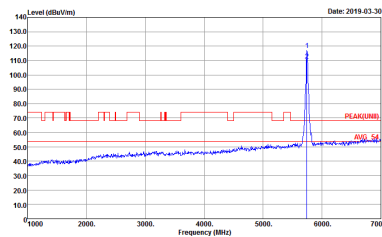


&lt;CDD Mode&gt;

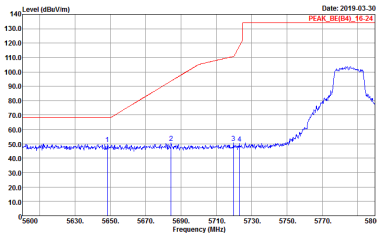
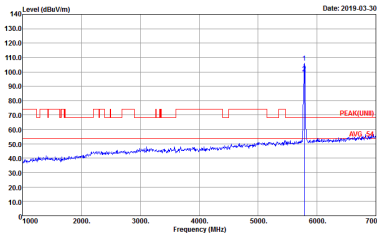
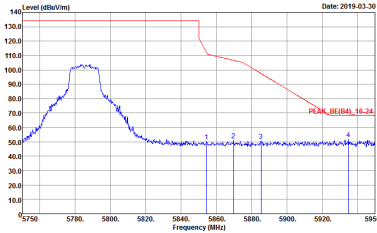
Band 4 - 5725~5850MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                          |
| 1    | Horizontal                                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                                              |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 11<br/>Setting : 22.5</p></div> | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT)_16-24 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 11<br/>Setting : 22.5</p></div> |

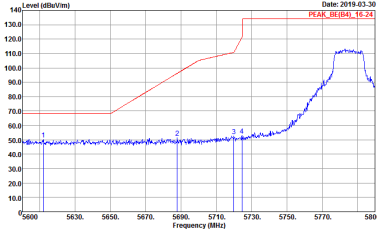
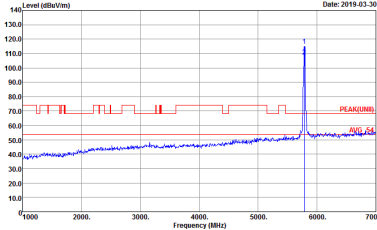
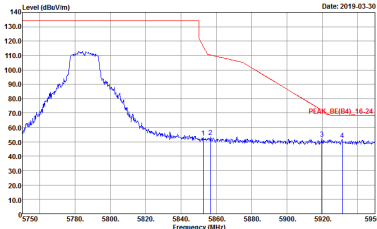


|      |                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                      |
| 1    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 11<br/>Setting : 22.5</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 11<br/>Setting : 22.5</p></div> |

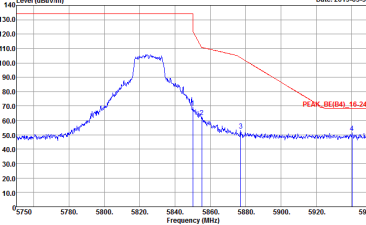
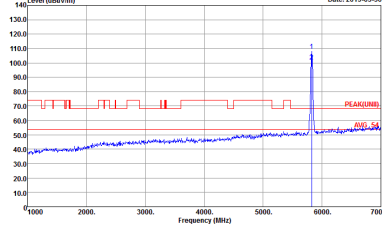


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                  |                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 12<br/>Setting : 20.5</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 12<br/>Setting : 20.5</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 12<br/>Setting : 20.5</p> | Left blank                                                                                                                                                                                                                                  |

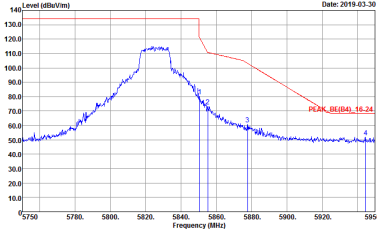
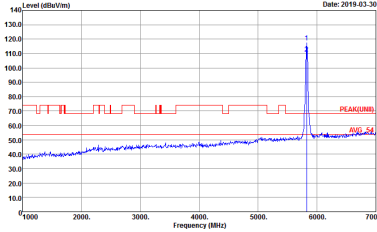


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                             |                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 12<br/>Setting : 20.5</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 12<br/>Setting : 20.5</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 12<br/>Setting : 20.5</p> | Left blank                                                                                                                                                                                                                                |



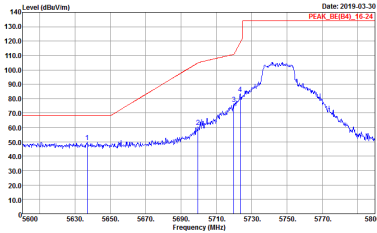
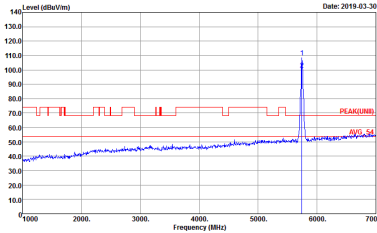
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                        |
| 1    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 13<br/>Setting : 22.5</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 13<br/>Setting : 22.5</p></div> |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                      |
| 1    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 13<br/>Setting : 22.5</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 13<br/>Setting : 22.5</p></div> |

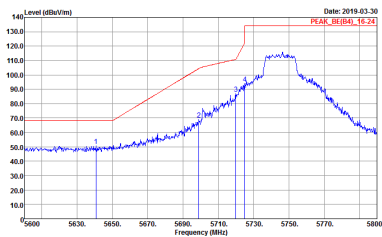
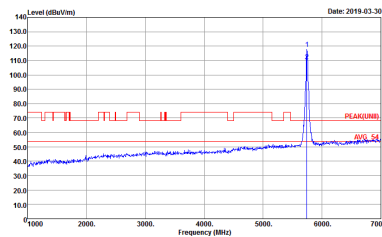


Band 4 5725~5850MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

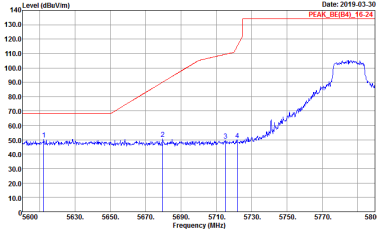
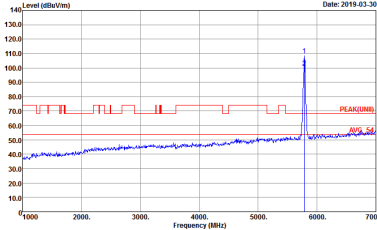
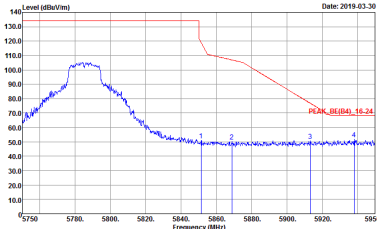
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                 |                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                                         |                                                                                                                                                                                                                                              |
| 1    | Horizontal                                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 37<br/>Setting : 22.5</p> |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 37<br/>Setting : 22.5</p> |

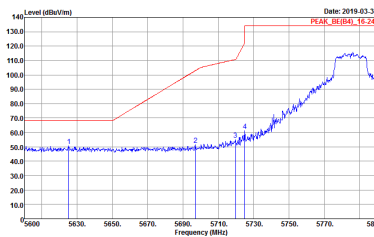
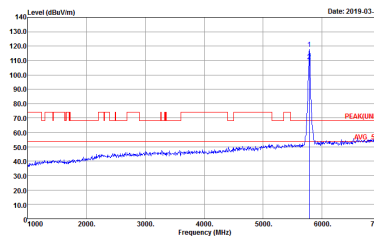
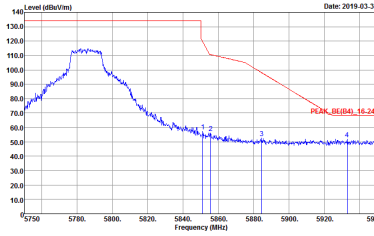




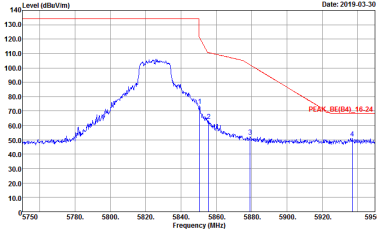
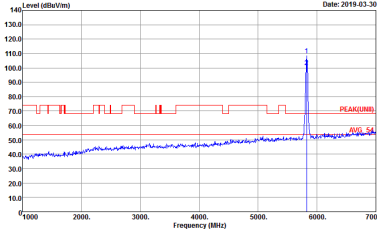
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 1    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 37<br/>Setting : 22.5</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 37<br/>Setting : 22.5</p></div> |



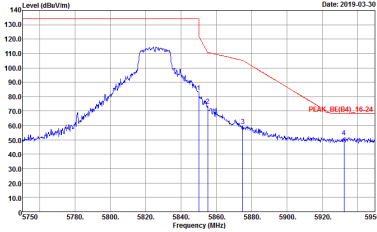
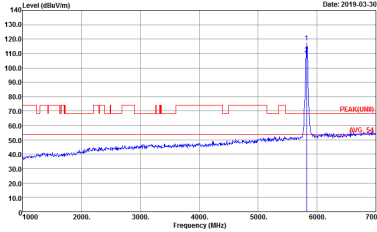
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                          |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                          |
| 1    | Horizontal                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 38<br/>Setting : 22.5</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 38<br/>Setting : 22.5</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 38<br/>Setting : 22.5</p> | Left blank                                                                                                                                                                                                                                                                               |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                                                                               | Fundamental                                                                                                                                                                                                                                                                                                                                                                    |
| Peak |  <p>           Site : 03CH15-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 911110<br/>           Mode : 38<br/>           Setting : 22.5         </p>   |  <p>           Site : 03CH15-HY<br/>           Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 911110<br/>           Mode : 38<br/>           Setting : 22.5         </p> |
|      |  <p>           Site : 03CH15-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>           : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 911110<br/>           Mode : 38<br/>           Setting : 22.5         </p> | Left blank                                                                                                                                                                                                                                                                                                                                                                     |



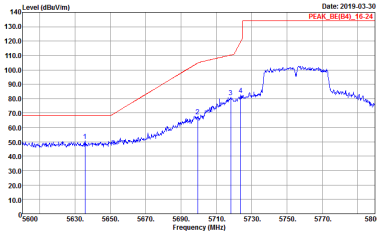
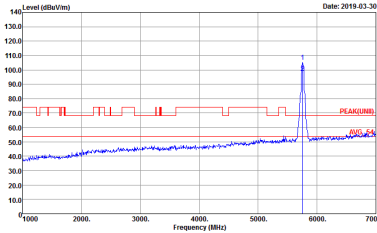
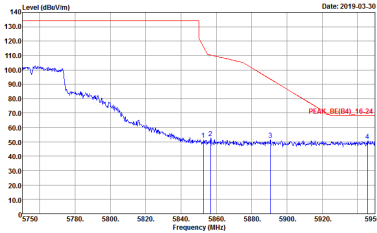
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                        |
| 1    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 39<br/>Setting : 22.5</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 39<br/>Setting : 22.5</p></div> |



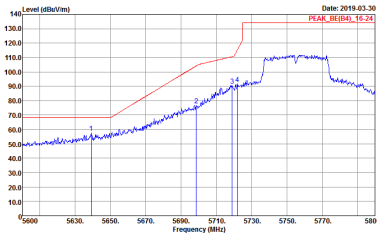
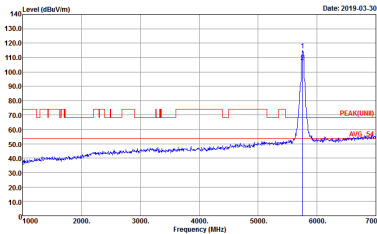
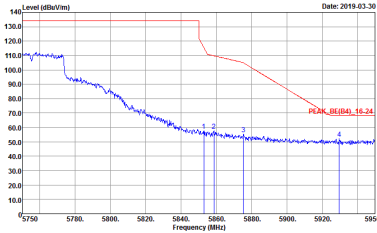
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                   |
| 1    | Vertical                                                                                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 39<br/>Setting : 22.5</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 39<br/>Setting : 22.5</p></div> |



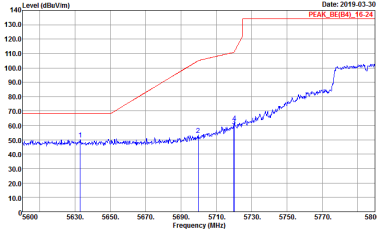
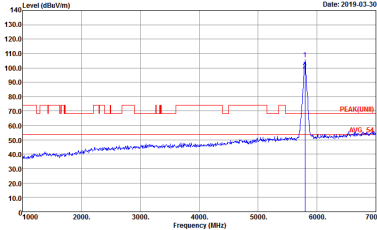
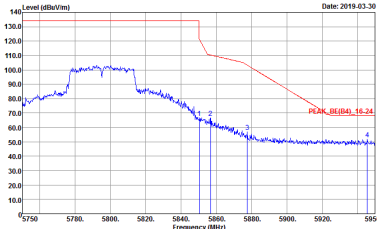
Band 4 5725~5850MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                  |                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                                                          |                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 40<br/>Setting : 21.5</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 40<br/>Setting : 21.5</p> |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 40<br/>Setting : 21.5</p> | Left blank                                                                                                                                                                                                                                  |



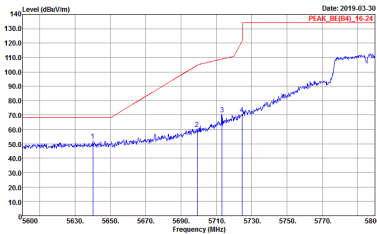
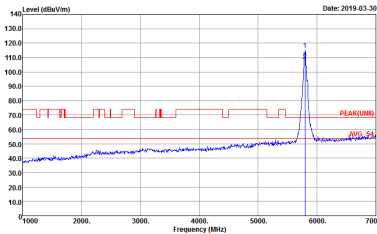
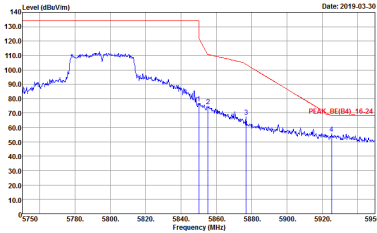
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                           |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                                                        |                                                                                                                                                                                                                                           |
| 1    | Vertical                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                               |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 40<br/>Setting : 21.5</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 40<br/>Setting : 21.5</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 40<br/>Setting : 21.5</p> | Left blank                                                                                                                                                                                                                                |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                                                        |                                                                                                                                                                                                                                               |
| 1    | Horizontal                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                   |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 41<br/>Setting : 22</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 41<br/>Setting : 22</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 41<br/>Setting : 22</p> | Left blank                                                                                                                                                                                                                                    |

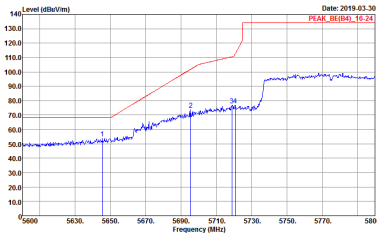
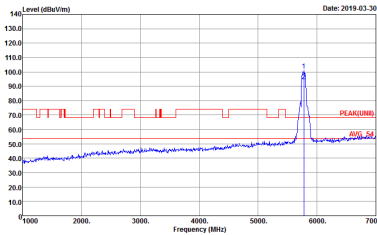
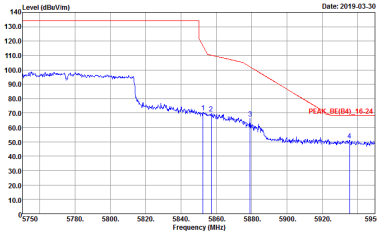




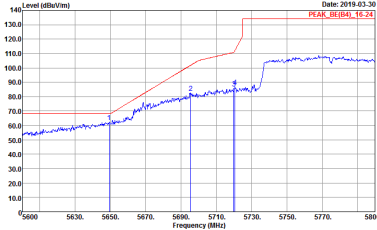
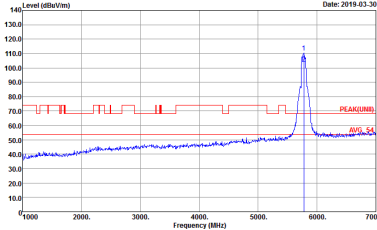
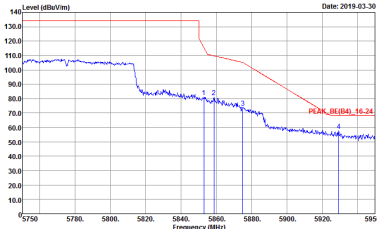
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                              |                                                                                                                                                                                                                                         |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                                                      |                                                                                                                                                                                                                                         |
| 1    | Vertical                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 41<br/>Setting : 22</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 41<br/>Setting : 22</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 41<br/>Setting : 22</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                                                                                                                                                                                                                        |                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 42<br/>Setting : 20.5</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 42<br/>Setting : 20.5</p> |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 42<br/>Setting : 20.5</p> | Left blank                                                                                                                                                                                                                                  |



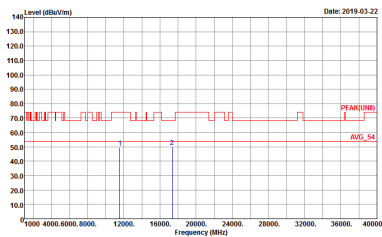
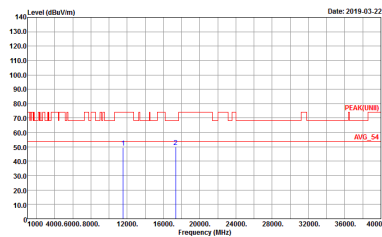
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                        |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                        |
| 1    | Vertical                                                                                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 42<br/>Setting : 20.5</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 42<br/>Setting : 20.5</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 42<br/>Setting : 20.5</p> | Left blank                                                                                                                                                                                                                                                                             |



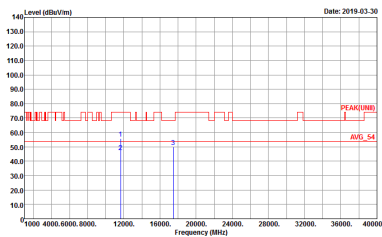
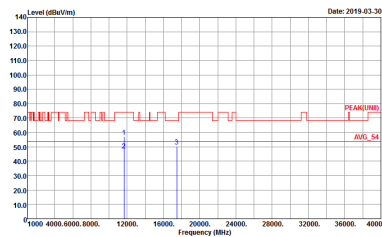
Band 4 - 5725~5850MHz  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH149 5745MHz                                                                                                                                                                                                                 |                                                                                                                                                                                                                                     |
| 1            | Horizontal                                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                                            |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-30</p><p>Frequency (MHz)</p><p>Site : 03CH15-4Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 11<br/>Setting : 22.5</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-30</p><p>Frequency (MHz)</p><p>Site : 03CH15-4Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 11<br/>Setting : 22.5</p></div> |



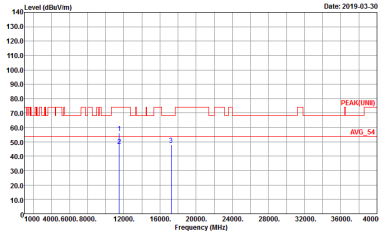
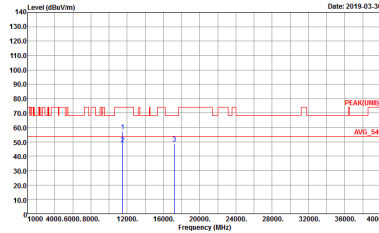
|              |                                                                                                                                                                                                                           |                                                                                                                                                                                                                          |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                         |                                                                                                                                                                                                                          |
| ANT          | 802.11a CH157 5785MHz                                                                                                                                                                                                     |                                                                                                                                                                                                                          |
| 1            | Horizontal                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 9111110<br/>Mode : 12</p> |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 9111110<br/>Mode : 12</p> |



| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                  |                                                                                                                                                                                                                                   |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH165 5825MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                                          |
| Peak<br>Avg. | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 13</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 13</p></div> |



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

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                               |                                                                                                                                                                                                                         |
| 1            | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| Peak<br>Avg. |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 37</p> |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 37</p> |



| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                   |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                          |                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                          |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-30</p><p>Frequency (MHz)</p><p>Site : 03CH15-14Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 36</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-30</p><p>Frequency (MHz)</p><p>Site : 03CH15-14Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 36</p></div> |

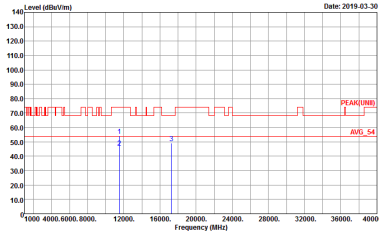
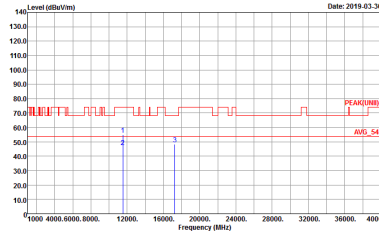




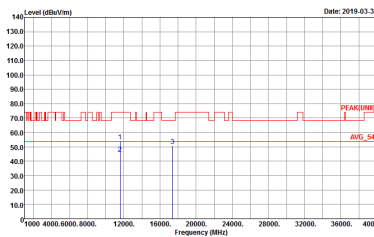
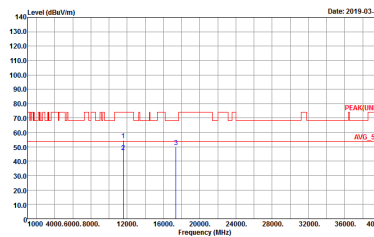
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                   |                                                                                                                                                                                                                   |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                          |                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                          |
| Peak<br>Avg. | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-30</p><p>Frequency (MHz)</p><p>Site : 03CH15-14Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 39</p></div> | <div><p>Level (dBuV/m)</p><p>Date: 2019-03-30</p><p>Frequency (MHz)</p><p>Site : 03CH15-14Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 39</p></div> |



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

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                               |                                                                                                                                                                                                                         |
| 1            | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| Peak<br>Avg. |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 40</p> |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 40</p> |



|              |                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                    |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                   |                                                                                                                                                                                                                                    |
| ANT          | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |
| 1            | Horizontal                                                                                                                                                                                                                          | Vertical                                                                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : -41</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : -41</p></div> |

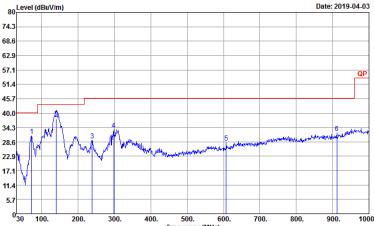
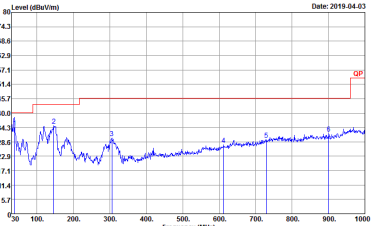


Band 4 5725~5850MHz  
WIFI 802.11ac VHT80 (Harmonic @ 3m)

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                      |                                                                                                                                      |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH155 5775MHz                                                                                                           |                                                                                                                                      |
| 1            | Horizontal                                                                                                                             | Vertical                                                                                                                             |
| Peak<br>Avg. | <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 42</p> | <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 42</p> |

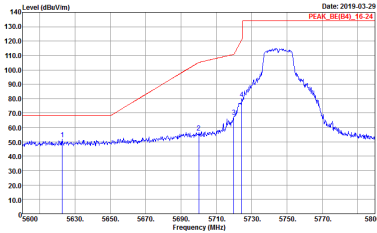
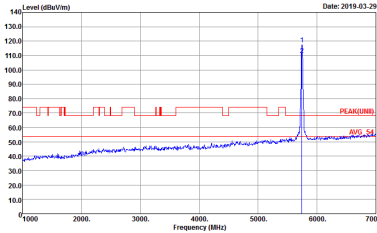


Emission below 1GHz  
5GHz WIFI 802.11ac VHT80 (LF)

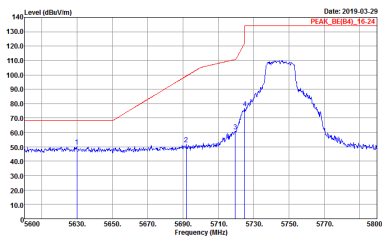
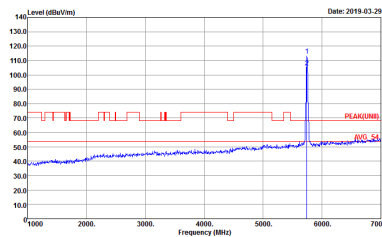
| WIFI         | 5GHz 5725~5850MHz                                                                                                                                                                                                  |                                                                                                                                                                                                                   |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 LF                                                                                                                                                                                                  |                                                                                                                                                                                                                   |
| 1            | Horizontal                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                          |
| QP /<br>Peak |  <p>Site : 03CH15-11V<br/>Condition : QP 3m BIL06_15_41912 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 160</p> |  <p>Site : 03CH15-11V<br/>Condition : QP 3m BIL06_15_41912 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 160</p> |



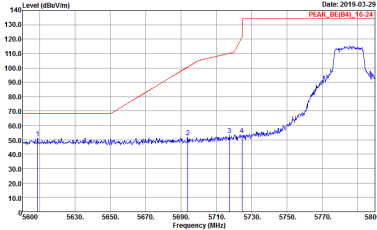
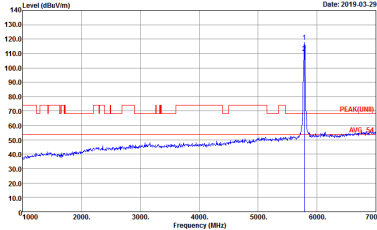
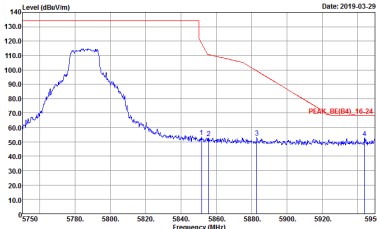
Band 4 - 5725~5850MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                  |
| 2    | Horizontal                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH15-44Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 53</p></div> | <div><p>Site : 03CH15-44Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 53</p></div> |



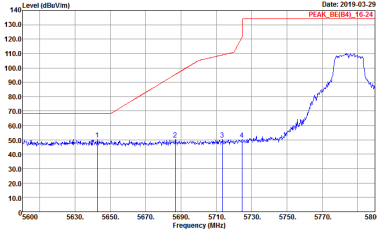
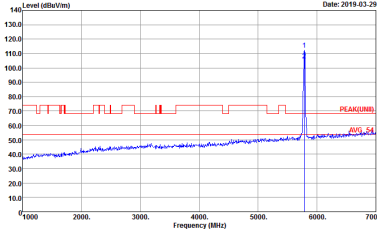
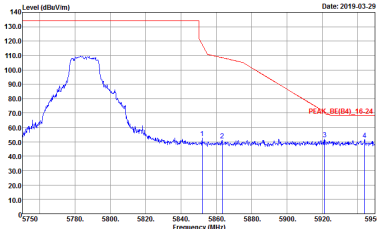
|      |                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                       |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                       |
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                       |
| 2    | Vertical                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                           |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911110<br/>Mode : 53</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 911110<br/>Mode : 53</p></div> |



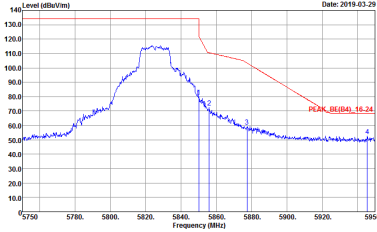
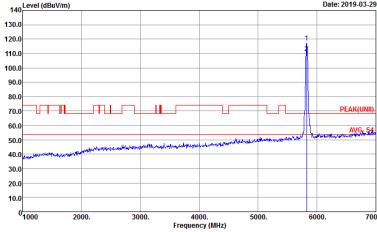
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                            |                                                                                                                                                                                                                          |
| 2    | Horizontal                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 54</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 54</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 54</p> | Left blank                                                                                                                                                                                                               |



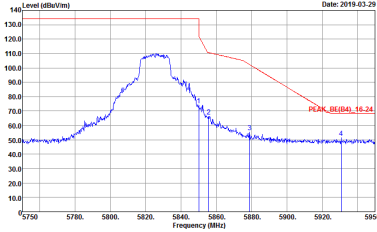
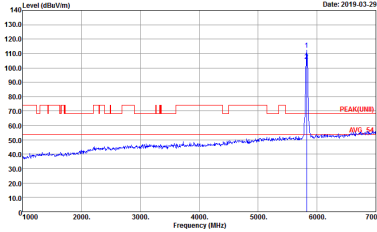


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                    |                                                                                                                                                                                                                                  |
| 2    | Vertical                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 54</p></div>   | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 54</p></div> |
|      | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 54</p></div> | Left blank                                                                                                                                                                                                                       |



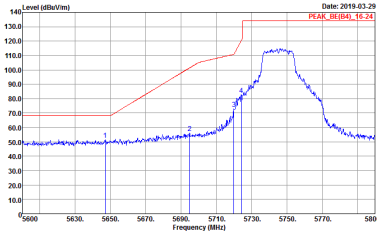
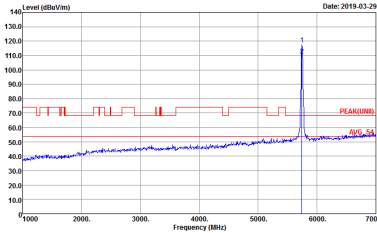
|      |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                        |                                                                                                                                                                                                                                     |
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                     |                                                                                                                                                                                                                                     |
| 2    | Horizontal                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                         |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 55</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 55</p></div> |



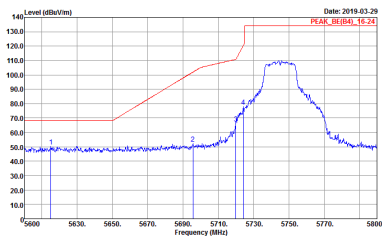
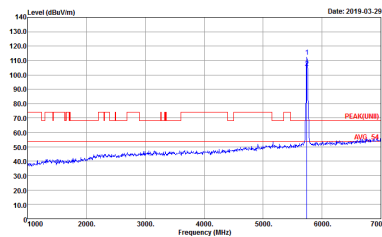
|      |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                      |                                                                                                                                                                                                                                   |
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                   |                                                                                                                                                                                                                                   |
| 2    | Vertical                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 55</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 55</p></div> |



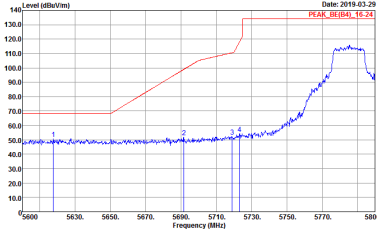
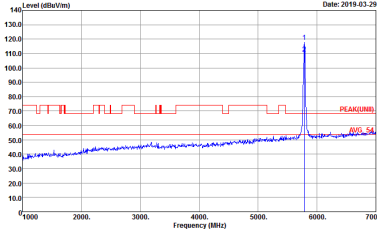
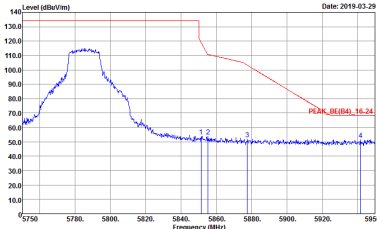
Band 4 5725~5850MHz  
WIFI 802.11n HT20 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                  |
| 2    | Horizontal                                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH15-44Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 79</p></div> | <div><p>Site : 03CH15-44Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 79</p></div> |

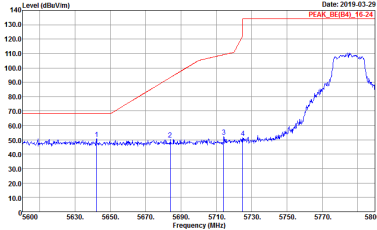
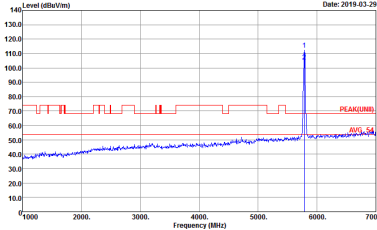
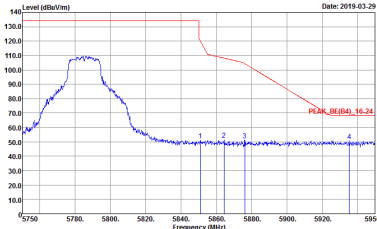


|      |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                      |                                                                                                                                                                                                                                   |
| ANT  | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                   |
| 2    | Vertical                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 79</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 79</p></div> |

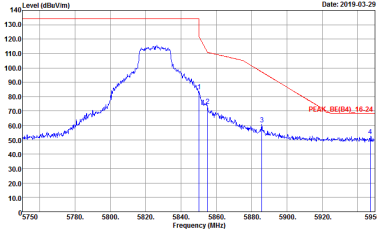
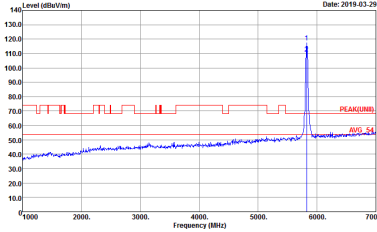


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                                       |                                                                                                                                                                                                                          |
| 2    | Horizontal                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 80</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 80</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 80</p> | Left blank                                                                                                                                                                                                               |



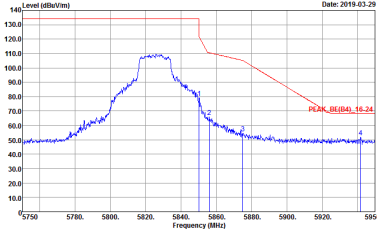
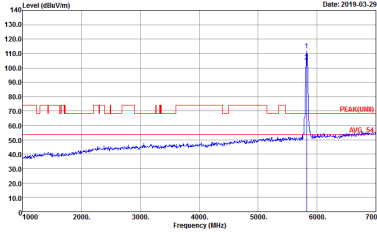
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                       |                                                                                                                                                                                                                                  |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH157 5785MHz                                                                                                                                                                                                               |                                                                                                                                                                                                                                  |
| 2    | Vertical                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 80</p></div>   | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 80</p></div> |
|      | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 80</p></div> | Left blank                                                                                                                                                                                                                       |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                        |                                                                                                                                                                                                                                     |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                                |                                                                                                                                                                                                                                     |
| 2    | Horizontal                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                         |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 81</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 81</p></div> |

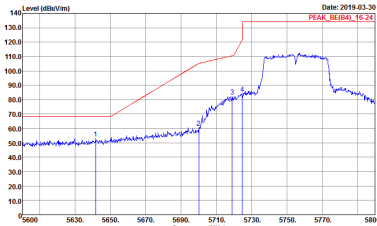
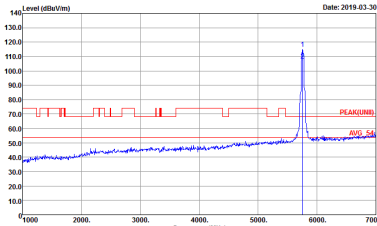
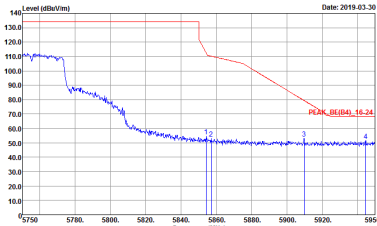




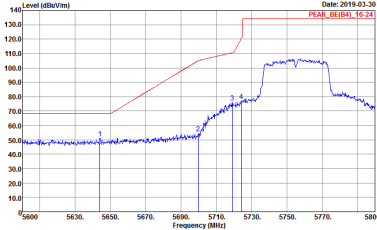
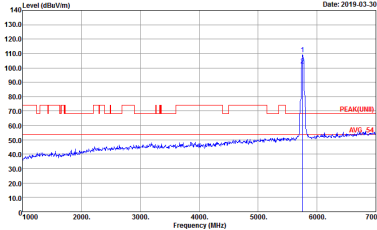
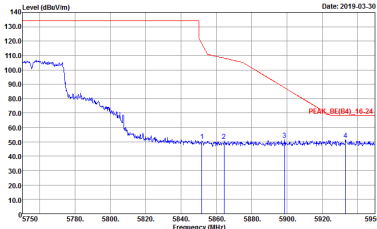
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                      |                                                                                                                                                                                                                                   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT20 CH165 5825MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                   |
| 2    | Vertical                                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 81</p></div> | <div><p>Site : 03CH15-11Y<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 81</p></div> |



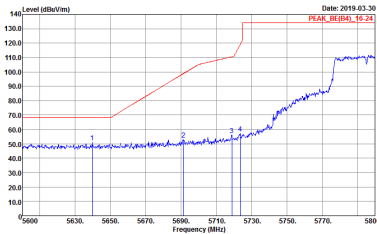
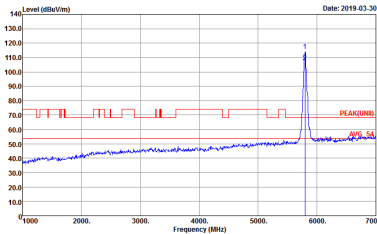
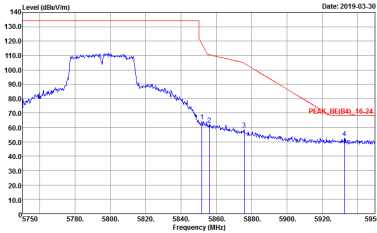
Band 4 5725~5850MHz  
WIFI 802.11n HT40 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                               |                                                                                                                                                                                                                          |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                                       |                                                                                                                                                                                                                          |
| 2    | Horizontal                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                              |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 82</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 82</p> |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 82</p> | Left blank                                                                                                                                                                                                               |

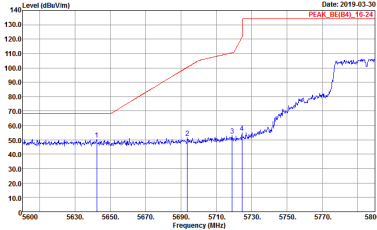
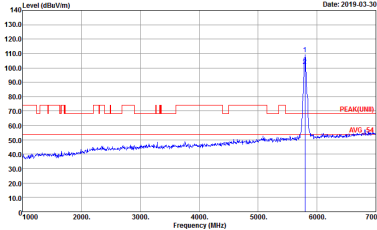
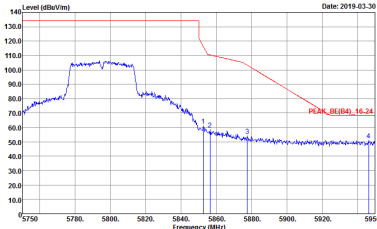


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH151 5755MHz                                                                                                                                                                                                     |                                                                                                                                                                                                                        |
| 2    | Vertical                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 82</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 82</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 82</p> | Left blank                                                                                                                                                                                                             |

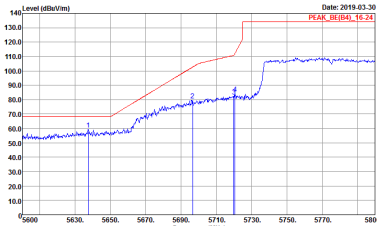
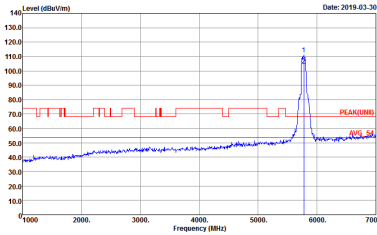
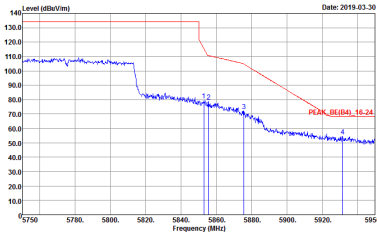


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                       |
| 2    | Horizontal                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 83</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(FUND) 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 83</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 83</p> | Left blank                                                                                                                                                                                                                                                            |

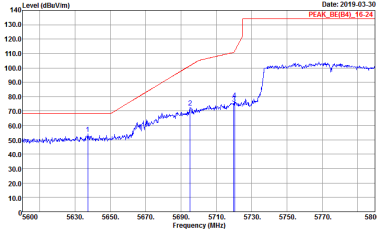
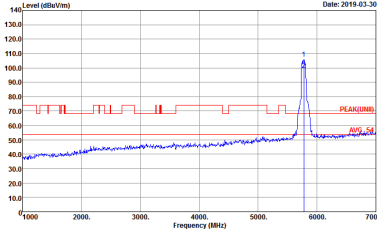
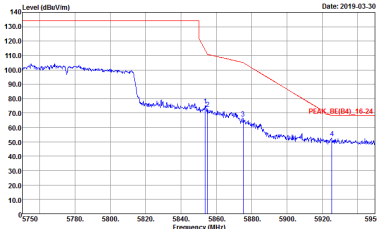


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11n HT40 CH159 5795MHz                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                               |
| 2    | Vertical                                                                                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 83</p></div>   | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 83</p></div> |
|      | <div><p>Site : 03CH15-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_15_1620 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 83</p></div> | Left blank                                                                                                                                                                                                                                                                    |

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

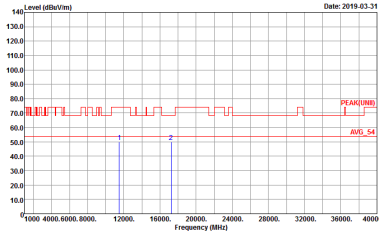
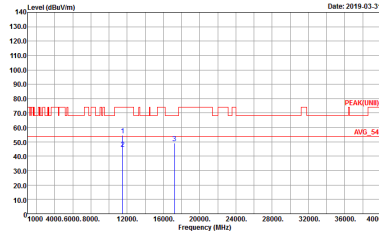
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                   |                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                         |                                                                                                                                                                                                                              |
| 2    | Horizontal                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                  |
| Peak |  <p>Site : 03CH15-HY<br/> Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/> Detector : Peak<br/> Project : 911110<br/> Mode : 84</p>   |  <p>Site : 03CH15-HY<br/> Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/> Detector : Peak<br/> Project : 911110<br/> Mode : 84</p> |
|      |  <p>Site : 03CH15-HY<br/> Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 HORIZONTAL<br/> Detector : Peak<br/> Project : 911110<br/> Mode : 84</p> | Left blank                                                                                                                                                                                                                   |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                             |                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                   |                                                                                                                                                                                                                        |
| 2    | Vertical                                                                                                                                                                                                                       | Fundamental                                                                                                                                                                                                            |
| Peak |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : B4</p>   |  <p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : B4</p> |
|      |  <p>Site : 03CH15-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : B4</p> | Left blank                                                                                                                                                                                                             |

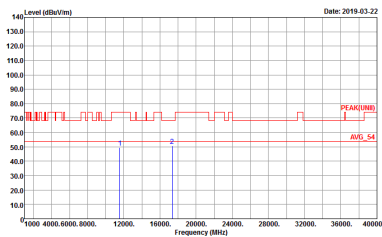
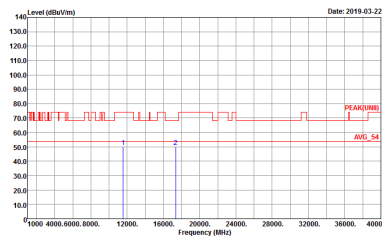


**Band 4 - 5725~5850MHz**  
**WIFI 802.11a (Harmonic @ 3m)**

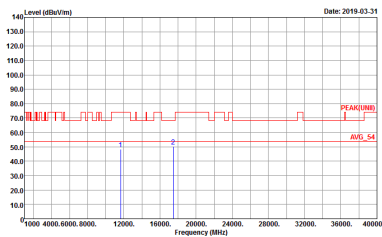
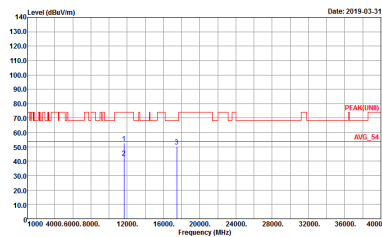
| WIFI                       | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                        | 802.11a CH149 5745MHz                                                                                                                                                                                                    |                                                                                                                                                                                                                         |
| 2                          | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| <b>Peak</b><br><b>Avg.</b> |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 53</p> |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 53</p> |





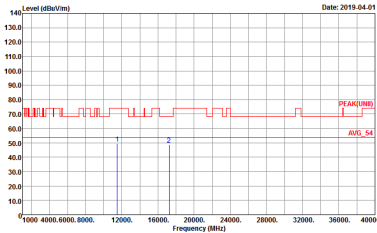
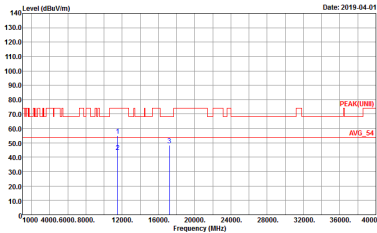
|              |                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                   |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                  |                                                                                                                                                                                                                                   |
| ANT          | 802.11a CH157 5785MHz                                                                                                                                                                                                              |                                                                                                                                                                                                                                   |
| 2            | Horizontal                                                                                                                                                                                                                         | Vertical                                                                                                                                                                                                                          |
| Peak<br>Avg. | <div><p>Site : 03CH15-14Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 54</p></div> | <div><p>Site : 03CH15-14Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 54</p></div> |



| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH165 5825MHz                                                                                                                                                                                                    |                                                                                                                                                                                                                         |
| 2            | Horizontal                                                                                                                                                                                                               | Vertical                                                                                                                                                                                                                |
| Peak<br>Avg. |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 55</p> |  <p>Site : 03CH15-11Y<br/>Condition : PEAK(UNII) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 55</p> |
|              |                                                                                                                                                                                                                          |                                                                                                                                                                                                                         |



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

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                 |                                                                                                                                                                                                                                  |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11n HT20 CH149 5745MHz                                                                                                                                                                                                        |                                                                                                                                                                                                                                  |
| 2            | Horizontal                                                                                                                                                                                                                        | Vertical                                                                                                                                                                                                                         |
| Peak<br>Avg. | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 HORIZONTAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 79</p></div> | <div><p>Site : 03CH15-HY<br/>Condition : PEAK(UNIT) 3m 91200_15_1620 VERTICAL<br/>Detector : Peak<br/>Project : 911110<br/>Mode : 79</p></div> |