



# FCC RADIO TEST REPORT

**FCC ID** : UZ7EC500K  
**Equipment** : ENTERPRISE COMPUTER  
**Brand Name** : ZEBRA  
**Model Name** : EC500K  
**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 Jul. 09, 2020 and testing was started from Jul. 16, 2020 and completed on Aug. 31, 2020. 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 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.

*Louis Wu*



**Approved by: Louis Wu**

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

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## History of this test report

| Report No. | Version | Description             | Issued Date   |
|------------|---------|-------------------------|---------------|
| FR070601F  | 01      | Initial issue of report | Sep. 11, 2020 |
|            |         |                         |               |
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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>1.22 dB at<br>5648.400 MHz |
| 3.5           | 15.207                 | AC Conducted Emission                  | Pass               | Under limit<br>7.70 dB at<br>0.152 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: Cindy Liu**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                 |                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------|
| Equipment                       | Enterprise Computer                                                                   |
| Brand Name                      | Zebra                                                                                 |
| Model Name                      | EC500K                                                                                |
| FCC ID                          | UZ7EC500K                                                                             |
| EUT supports Radios application | NFC<br>WLAN 11a/b/g/n HT20/HT40<br>WLAN 11ac VHT20/VHT40/VHT80<br>Bluetooth BR/EDR/LE |
| HW Version                      | EV2                                                                                   |
| SW Version                      | Android version 10                                                                    |
| FW Version                      | 10-12-29.00-QG-U00-PRD-HEL-04                                                         |
| MFD                             | 17JUN20<br>13JUN20<br>20JUN20<br>15JUN20                                              |
| EUT Stage                       | Engineering Sample                                                                    |

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

| Specification of Accessories        |            |        |             |                    |
|-------------------------------------|------------|--------|-------------|--------------------|
| AC Adapter                          | Brand Name | Zebra  | Part Number | PWR-WUA5V15W0US    |
| USB TYPE-C to TYPE-C cable          | Brand Name | Zebra  | Part Number | CBL-EC5X-USBC3A-01 |
| Battery 1                           | Brand Name | Zebra  | Part Number | BT-000424-00       |
| Battery 2                           | Brand Name | Zebra  | Part Number | BT-000424-08       |
| Earphone 1                          | Brand Name | Zebra  | Part Number | HDST-35MM-PTVP-01  |
| Earphone 2                          | Brand Name | Zebra  | Part Number | HS2100-OTH         |
| USB TYPE C to 3.5mm audio connector | Brand Name | Symbol | Part Number | ADP-USBC-35MM1-01  |
| 3.5mm Jack 43"(1.1m) Standard Cable | Brand Name | Zebra  | Part Number | CBL-HS2100-3MS1-01 |
| Trigger Handle                      | Brand Name | Zebra  | Part Number | TRG-EC5X-SNP1-01   |
| Soft Holster                        | Brand Name | Zebra  | Part Number | SG-EC5X-HLSTR1-01  |
| Protective Boot                     | Brand Name | Zebra  | Part Number | SG-EC5X-BOOT1-01   |

| Sample list      |                      |                      |                      |                      |
|------------------|----------------------|----------------------|----------------------|----------------------|
|                  | Sample 1             | Sample 2             | Sample 3             | Sample 4             |
| Operating System | ANDROID              | ANDROID              | ANDROID              | ANDROID              |
| RAM              | 3GB RAM              | 4GB                  | 4GB                  | 3GB                  |
| FLASH            | 32GB                 | 64GB                 | 64GB                 | 32GB                 |
| Scanner          | SE4100               | SE4100               | SE4100               | NO                   |
| Front Camera     | NO                   | 5MP                  | 5MP                  | 5MP                  |
| Rear Camera      | 13MP                 | 13MP                 | 13MP                 | 13MP                 |
|                  | MICRO SD             | MICRO SD             | MICRO SD             | MICRO SD             |
|                  | GMS                  | GMS                  | GMS                  | GMS                  |
| Back connector   | 2-PIN                | 2-PIN                | 8-PIN                | NO I/O CONNECTOR     |
|                  | ROW - Excludes China | ROW - Excludes China | ROW - Excludes China | ROW - Excludes China |

## 1.2 Product Specification of Equipment Under Test

| Standards-related Product Specification        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tx/Rx Channel Frequency Range                  | 5745 MHz ~ 5825 MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Maximum Output Power to Antenna<br><CDD Modes> | <b>&lt;Ant. 1&gt;</b><br>802.11a : 14.90 dBm / 0.0309 W<br>802.11n HT20 : 14.80 dBm / 0.0302 W<br>802.11n HT40 : 14.80 dBm / 0.0302 W<br>802.11ac VHT20: 14.90 dBm / 0.0309 W<br>802.11ac VHT40: 14.90 dBm / 0.0309 W<br>802.11ac VHT80: 14.60 dBm / 0.0288 W<br><b>&lt;Ant. 2&gt;</b><br>802.11a : 14.80 dBm / 0.0302 W<br>802.11n HT20 : 14.80 dBm / 0.0302 W<br>802.11n HT40 : 14.80 dBm / 0.0302 W<br>802.11ac VHT20: 14.90 dBm / 0.0309 W<br>802.11ac VHT40: 14.90 dBm / 0.0309 W<br>802.11ac VHT80: 14.70 dBm / 0.0295 W<br><b>MIMO &lt;Ant. 1 + 2&gt;</b><br>802.11a : 18.76 dBm / 0.0752 W<br>802.11n HT20 : 18.71 dBm / 0.0743 W<br>802.11n HT40 : 18.66 dBm / 0.0735 W<br>802.11ac VHT20: 18.81 dBm / 0.0760 W<br>802.11ac VHT40: 18.76 dBm / 0.0752 W<br>802.11ac VHT80: 18.81 dBm / 0.0760 W |
| Maximum Output Power<br><TXBF Modes>           | <b>MIMO &lt;Ant. 1 + 2&gt;</b><br>802.11ac VHT20: 18.46 dBm / 0.0701 W<br>802.11ac VHT40: 18.31 dBm / 0.0678 W<br>802.11ac VHT80: 18.37 dBm / 0.0687 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|
| 99% Occupied Bandwidth<br><CDD Modes>   | <b>&lt;Ant. 1&gt;</b><br>802.11a : 16.70 MHz<br>802.11ac VHT20 : 17.90 MHz<br>802.11ac VHT40 : 36.60 MHz<br>802.11ac VHT80 : 76.68 MHz<br><b>&lt;Ant. 2&gt;</b><br>802.11a : 16.65 MHz<br>802.11n HT20 : 17.90 MHz<br>802.11n HT40 : 36.50 MHz<br>802.11ac VHT80 : 76.92 MHz<br><b>MIMO &lt;Ant. 1&gt;</b><br>802.11a : 16.70 MHz<br>802.11ac VHT20 : 17.90 MHz<br>802.11ac VHT40 : 36.70 MHz<br>802.11ac VHT80 : 76.80 MHz<br><b>MIMO &lt;Ant. 2&gt;</b><br>802.11a : 16.70 MHz<br>802.11n HT20 : 17.90 MHz<br>802.11n HT40 : 36.60 MHz<br>802.11ac VHT80 : 76.92 MHz |        |        |
|                                         | <b>99% Occupied Bandwidth<br/>&lt;TXBF Modes&gt;</b><br><b>MIMO &lt;Ant. 1&gt;</b><br>802.11ac VHT20 : 18.03 MHz<br>802.11ac VHT40 : 36.66 MHz<br>802.11ac VHT80 : 76.84 MHz<br><b>MIMO &lt;Ant. 2&gt;</b><br>802.11ac VHT20 : 17.88 MHz<br>802.11ac VHT40 : 36.56 MHz<br>802.11ac VHT80 : 76.72 MHz                                                                                                                                                                                                                                                                   |        |        |
| Antenna type / Gain                     | <b>Ant. 1:</b> PIFA Antenna with gain 3.6 dBi<br><b>Ant. 2:</b> PIFA Antenna with gain 4.1 dBi                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |        |
| Type of Modulation                      | 802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)<br>802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |        |
| Antenna Function Description            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 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

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

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

|                    |                                                                                                                       |  |
|--------------------|-----------------------------------------------------------------------------------------------------------------------|--|
| Test Site          | SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory                                                   |  |
| Test Site Location | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |  |
| Test Site No.      | Sporton Site No.                                                                                                      |  |
|                    | 03CH16-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. The TAF code is not including all the FCC KDB listed without accreditation.
3. 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 (CDD Mode: X plane for Ant. 1 and Ant. 2, Z plane for MIMO Ant. 1+2; TXBF Mode: X plane with Notebook) 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.

### CDD Mode

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

### TXBF Mode

| Modulation     | Data Rate |
|----------------|-----------|
| 802.11ac VHT20 | MCS0      |
| 802.11ac VHT40 | MCS0      |
| 802.11ac VHT80 | MCS6      |

| Test Cases                                                                                    |                                                                                                                                             |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AC Conducted Emission</b>                                                                  | Mode 1 : WLAN (5GHz) Link + Bluetooth Link + NFC active + Battery 1 + MPEG4 (Color bar) + USB Cable (Charging with AC Adapter) for Sample 1 |
| <b>Remark:</b> For Radiated Test Cases, the tests were performed with Battery 1 and Sample 1. |                                                                                                                                             |

| 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            | -              |

**Remark:** For radiation spurious emission, the final modulation and the worst data rate was reference the max RF conducted power.



&lt;CDD Mode&gt;

&lt;Ant. 1&gt;

| 802.11a RF Output Power (dBm) |                    |                 |                    |                 |       |       |       |       |       |       |
|-------------------------------|--------------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel             |                    |                 | Power vs Data Rate |                 |       |       |       |       |       |       |
| Channel                       | Frequency<br>(MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |
|                               |                    | 6M              |                    | 9M              | 12M   | 18M   | 24M   | 36M   | 48M   | 54M   |
| CH 149                        | 5745               | 14.90           | CH 149             | 14.80           | 14.80 | 14.70 | 14.80 | 14.70 | 14.60 | 14.60 |
| CH 157                        | 5785               | 14.70           |                    |                 |       |       |       |       |       |       |
| CH 165                        | 5825               | 14.70           |                    |                 |       |       |       |       |       |       |

| 802.11n HT20 RF Output Power (dBm) |                    |                 |                    |                 |       |       |       |       |       |       |
|------------------------------------|--------------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                  |                    |                 | Power vs Data Rate |                 |       |       |       |       |       |       |
| Channel                            | Frequency<br>(MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |
|                                    |                    | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  |
| CH 149                             | 5745               | 14.80           | CH 149             | 14.70           | 14.60 | 14.60 | 14.60 | 14.60 | 14.70 | 14.70 |
| CH 157                             | 5785               | 14.60           |                    |                 |       |       |       |       |       |       |
| CH 165                             | 5825               | 14.70           |                    |                 |       |       |       |       |       |       |

| 802.11n HT40 RF Output Power (dBm) |                    |                 |                    |                 |      |      |      |      |      |      |
|------------------------------------|--------------------|-----------------|--------------------|-----------------|------|------|------|------|------|------|
| Power vs. Channel                  |                    |                 | Power vs Data Rate |                 |      |      |      |      |      |      |
| Channel                            | Frequency<br>(MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |      |      |      |      |      |      |
|                                    |                    | MCS0            |                    | MCS1            | MCS2 | MCS3 | MCS4 | MCS5 | MCS6 | MCS7 |
| CH 151                             | 5755               | 14.80           | CH 151             | 14.7            | 14.7 | 14.6 | 14.6 | 14.7 | 14.7 | 14.5 |
| CH 159                             | 5795               | 14.60           |                    |                 |      |      |      |      |      |      |



| 802.11ac VHT20 RF Output Power (dBm) |                    |                 |                    |                 |       |       |       |       |       |       |       |
|--------------------------------------|--------------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                    |                 | Power vs Data Rate |                 |       |       |       |       |       |       |       |
| Channel                              | Frequency<br>(MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |       |
|                                      |                    | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  |
| CH 149                               | 5745               | 14.90           | CH 149             | 14.80           | 14.70 | 14.70 | 14.70 | 14.70 | 14.80 | 14.80 | 14.70 |
| CH 157                               | 5785               | 14.70           |                    |                 |       |       |       |       |       |       |       |
| CH 165                               | 5825               | 14.80           |                    |                 |       |       |       |       |       |       |       |

| 802.11ac VHT40 RF Output Power (dBm) |                    |                 |                    |                 |      |      |      |      |      |      |      |      |
|--------------------------------------|--------------------|-----------------|--------------------|-----------------|------|------|------|------|------|------|------|------|
| Power vs. Channel                    |                    |                 | Power vs Data Rate |                 |      |      |      |      |      |      |      |      |
| Channel                              | Frequency<br>(MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |      |      |      |      |      |      |      |      |
|                                      |                    | MCS0            |                    | MCS1            | MCS2 | MCS3 | MCS4 | MCS5 | MCS6 | MCS7 | MCS8 | MCS9 |
| CH 151                               | 5755               | 14.90           | CH 151             | 14.8            | 14.8 | 14.7 | 14.7 | 14.8 | 14.8 | 14.6 | 14.6 | 14.6 |
| CH 159                               | 5795               | 14.70           |                    |                 |      |      |      |      |      |      |      |      |

| 802.11ac VHT80 RF Output Power (dBm) |                    |                 |                    |                 |       |       |       |       |       |       |       |       |
|--------------------------------------|--------------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                    |                 | Power vs Data Rate |                 |       |       |       |       |       |       |       |       |
| Channel                              | Frequency<br>(MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |       |       |
|                                      |                    | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH 155                               | 5775               | 14.60           | CH 155             | 14.50           | 14.50 | 14.40 | 14.40 | 14.30 | 14.30 | 14.50 | 14.50 | 14.40 |

**<Ant. 2>**

| 802.11a RF Output Power (dBm) |                    |                 |                    |                 |       |       |       |       |       |       |
|-------------------------------|--------------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel             |                    |                 | Power vs Data Rate |                 |       |       |       |       |       |       |
| Channel                       | Frequency<br>(MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |
|                               |                    | 6M              |                    | 9M              | 12M   | 18M   | 24M   | 36M   | 48M   | 54M   |
| CH 149                        | 5745               | 14.80           | CH 149             | 14.70           | 14.70 | 14.60 | 14.60 | 14.60 | 14.50 | 14.50 |
| CH 157                        | 5785               | 14.70           |                    |                 |       |       |       |       |       |       |
| CH 165                        | 5825               | 14.70           |                    |                 |       |       |       |       |       |       |

| 802.11n HT20 RF Output Power (dBm) |                    |                 |                    |                 |       |       |       |       |       |       |
|------------------------------------|--------------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                  |                    |                 | Power vs Data Rate |                 |       |       |       |       |       |       |
| Channel                            | Frequency<br>(MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |
|                                    |                    | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  |
| CH 149                             | 5745               | 14.60           | CH 165             | 14.70           | 14.60 | 14.60 | 14.60 | 14.60 | 14.50 | 14.50 |
| CH 157                             | 5785               | 14.60           |                    |                 |       |       |       |       |       |       |
| CH 165                             | 5825               | 14.80           |                    |                 |       |       |       |       |       |       |

| 802.11n HT40 RF Output Power (dBm) |                    |                 |                    |                 |      |      |      |      |      |      |
|------------------------------------|--------------------|-----------------|--------------------|-----------------|------|------|------|------|------|------|
| Power vs. Channel                  |                    |                 | Power vs Data Rate |                 |      |      |      |      |      |      |
| Channel                            | Frequency<br>(MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |      |      |      |      |      |      |
|                                    |                    | MCS0            |                    | MCS1            | MCS2 | MCS3 | MCS4 | MCS5 | MCS6 | MCS7 |
| CH 151                             | 5755               | 14.60           | CH 159             | 14.7            | 14.6 | 14.6 | 14.5 | 14.5 | 14.5 | 14.4 |
| CH 159                             | 5795               | 14.80           |                    |                 |      |      |      |      |      |      |

| 802.11ac VHT20 RF Output Power (dBm) |                    |                 |                    |                 |       |       |       |       |       |       |       |
|--------------------------------------|--------------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                    |                 | Power vs Data Rate |                 |       |       |       |       |       |       |       |
| Channel                              | Frequency<br>(MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |       |
|                                      |                    | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  |
| CH 149                               | 5745               | 14.70           | CH 165             | 14.80           | 14.70 | 14.70 | 14.70 | 14.70 | 14.60 | 14.60 | 14.60 |
| CH 157                               | 5785               | 14.70           |                    |                 |       |       |       |       |       |       |       |
| CH 165                               | 5825               | 14.90           |                    |                 |       |       |       |       |       |       |       |

| 802.11ac VHT40 RF Output Power (dBm) |                 |                 |                    |                 |      |      |      |      |      |      |      |      |
|--------------------------------------|-----------------|-----------------|--------------------|-----------------|------|------|------|------|------|------|------|------|
| Power vs. Channel                    |                 |                 | Power vs Data Rate |                 |      |      |      |      |      |      |      |      |
| Channel                              | Frequency (MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |      |      |      |      |      |      |      |      |
|                                      |                 | MCS0            |                    | MCS1            | MCS2 | MCS3 | MCS4 | MCS5 | MCS6 | MCS7 | MCS8 | MCS9 |
| CH 151                               | 5755            | 14.70           | CH 159             | 14.8            | 14.7 | 14.7 | 14.6 | 14.6 | 14.6 | 14.5 | 14.5 | 14.5 |
| CH 159                               | 5795            | 14.90           |                    |                 |      |      |      |      |      |      |      |      |

| 802.11ac VHT80 RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH 155                               | 5775            | 14.70           | CH 155             | 14.60           | 14.60 | 14.50 | 14.50 | 14.50 | 14.50 | 14.50 | 14.40 | 14.40 |

**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            | 18.46           | CH 157             | 18.66           | 18.66 | 18.56 | 18.56 | 18.66 | 18.66 | 18.66 |
| CH 157                        | 5785            | 18.76           |                    |                 |       |       |       |       |       |       |
| CH 165                        | 5825            | 18.76           |                    |                 |       |       |       |       |       |       |

| 802.11n HT20 RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |
|------------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|
| Power vs. Channel                  |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |
| Channel                            | Frequency (MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |
|                                    |                 | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  |
| CH 149                             | 5745            | 18.71           | CH 149             | 18.61           | 18.51 | 18.51 | 18.51 | 18.41 | 18.41 |
| CH 157                             | 5785            | 18.66           |                    |                 |       |       |       |       |       |
| CH 165                             | 5825            | 18.61           |                    |                 |       |       |       |       |       |

| 802.11n HT40 RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |
|------------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|
| Power vs. Channel                  |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |
| Channel                            | Frequency (MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |
|                                    |                 | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  |
| CH 151                             | 5755            | 18.66           | CH 151             | 18.56           | 18.46 | 18.46 | 18.46 | 18.46 | 18.36 |
| CH 159                             | 5795            | 18.51           |                    |                 |       |       |       |       |       |

| 802.11ac VHT20 RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |       |
|                                      |                 | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  |
| CH 149                               | 5745            | <b>18.81</b>    | CH 149             |                 |       |       |       |       |       |       |       |
| CH 157                               | 5785            | 18.76           |                    | 18.71           | 18.61 | 18.61 | 18.61 | 18.51 | 18.51 | 18.41 | 18.41 |
| CH 165                               | 5825            | 18.71           |                    |                 |       |       |       |       |       |       |       |

| 802.11ac VHT40 RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH 151                               | 5755            | <b>18.76</b>    | CH 151             |                 |       |       |       |       |       |       |       |       |
| CH 159                               | 5795            | 18.61           |                    | 18.66           | 18.56 | 18.56 | 18.56 | 18.56 | 18.56 | 18.46 | 18.46 | 18.56 |

| 802.11ac VHT80 RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |       |       |
|                                      |                 | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  | MCS9  |
| CH 155                               | 5775            | <b>18.81</b>    | CH 155             | 18.71           | 18.71 | 18.51 | 18.51 | 18.51 | 18.41 | 18.36 | 18.31 | 18.41 |





## &lt;TXBF Mode&gt;

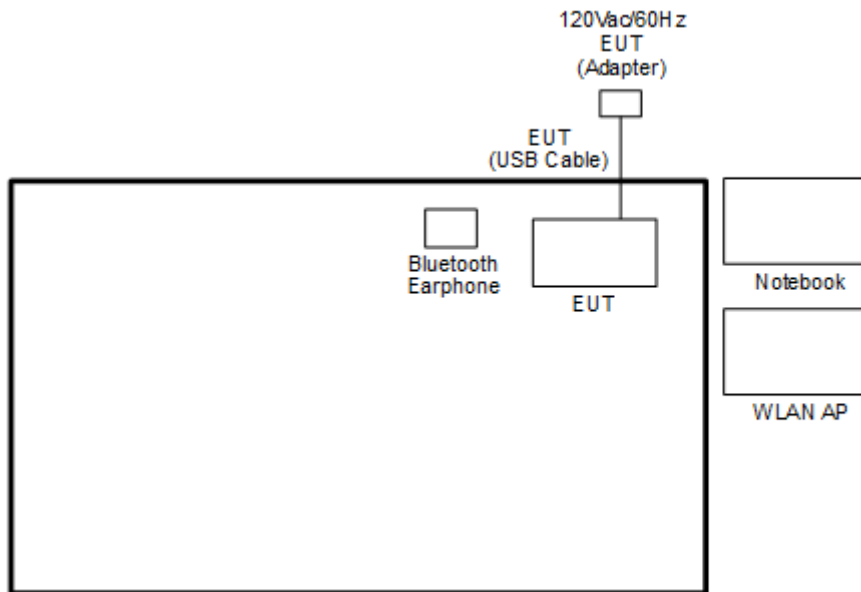
| 802.11ac VHT20 RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |       |
|                                      |                 | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  |
| CH 149                               | 5745            | 18.36           | CH 165             | 18.36           | 18.36 | 18.36 | 18.36 | 18.36 | 18.36 | 18.36 | 18.36 |
| CH 157                               | 5785            | 18.41           |                    |                 |       |       |       |       |       |       |       |
| CH 165                               | 5825            | 18.46           |                    |                 |       |       |       |       |       |       |       |

| 802.11ac VHT40 RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |       |
|                                      |                 | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  |
| CH 151                               | 5755            | 18.31           | CH 151             | 18.05           | 18.11 | 18.16 | 18.11 | 18.21 | 18.16 | 18.06 | 18.11 |
| CH 159                               | 5795            | 18.26           |                    |                 |       |       |       |       |       |       |       |

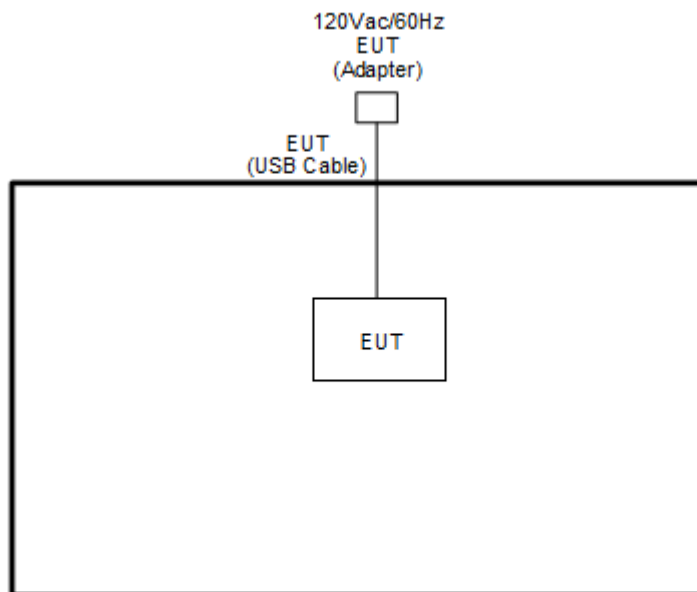
| 802.11ac VHT80 RF Output Power (dBm) |                 |                 |                    |                 |       |       |       |       |       |       |       |
|--------------------------------------|-----------------|-----------------|--------------------|-----------------|-------|-------|-------|-------|-------|-------|-------|
| Power vs. Channel                    |                 |                 | Power vs Data Rate |                 |       |       |       |       |       |       |       |
| Channel                              | Frequency (MHz) | Data Rate (bps) | Channel            | Data Rate (bps) |       |       |       |       |       |       |       |
|                                      |                 | MCS0            |                    | MCS1            | MCS2  | MCS3  | MCS4  | MCS5  | MCS6  | MCS7  | MCS8  |
| CH 155                               | 5775            | 18.37           | CH 155             | 18.27           | 18.27 | 18.27 | 18.01 | 18.01 | 18.01 | 18.01 | 18.01 |

## 2.3 Connection Diagram of Test System

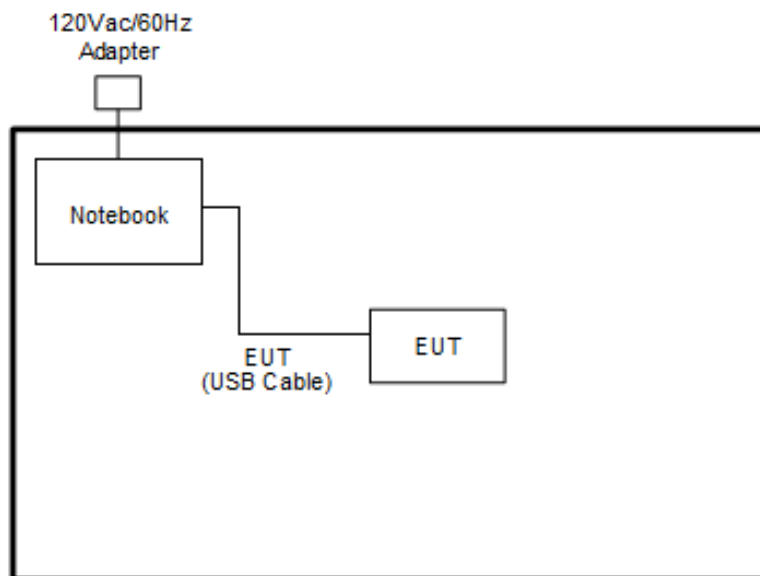
### <AC Conducted Emission Mode>



### <CDD Mode>



<TXBF Mode>



## 2.4 Support Unit used in test configuration and system

| Item | Equipment          | Brand 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      | N/A         | N/A        | Unshielded,1.8m                                            |
| 3.   | Notebook           | DELL          | Latitude 3400 | FCC DoC     | N/A        | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 4.   | Notebook           | DELL          | Latitude 5480 | FCC DoC     | N/A        | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |
| 5.   | Notebook           | Lenovo        | L570          | 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                                                        |
| 7.   | Phone              | Zebra         | TC77HL        | N/A         | N/A        | N/A                                                        |



## 2.5 EUT Operation Test Setup

The RF test items, utility “QRCT 4” 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.

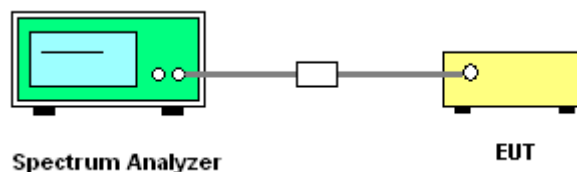
##### 3.1.2 Measuring Instruments

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



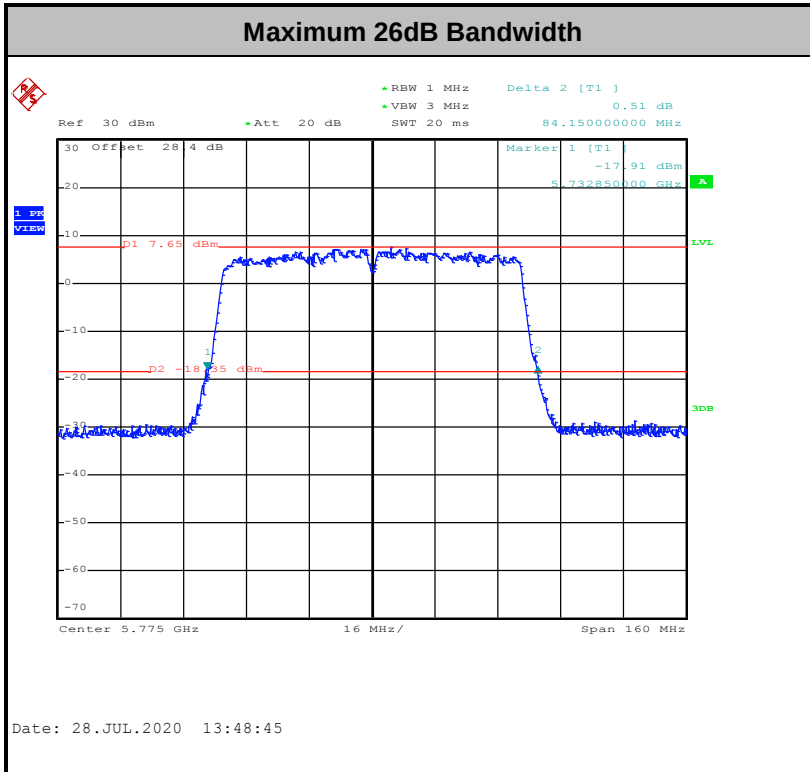


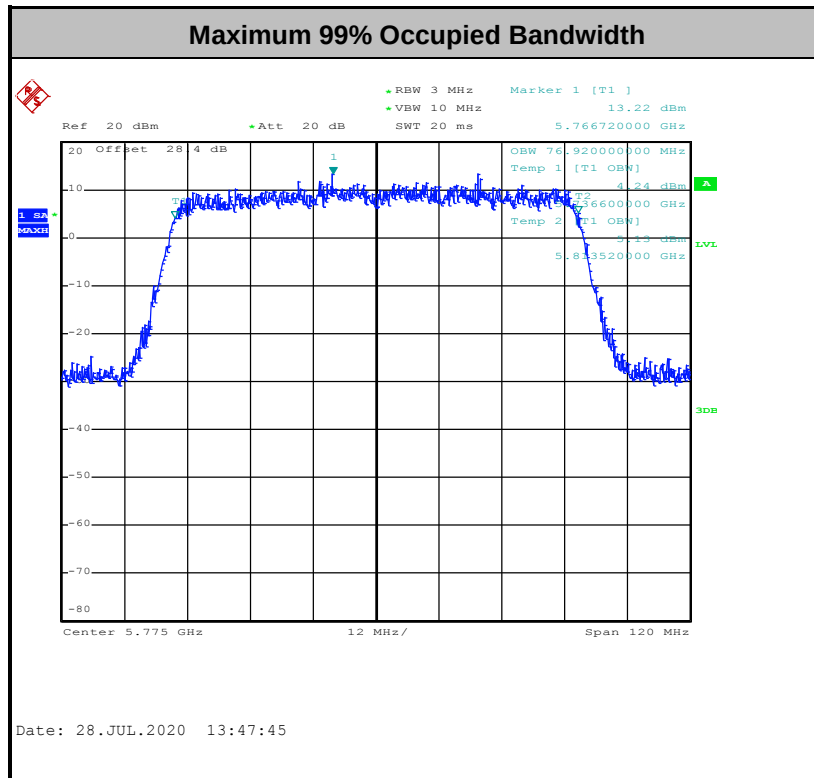
## 3.1.5 Test Result of 6dB and 26dB and 99% Occupied Bandwidth

|                 |                                    |                     |            |
|-----------------|------------------------------------|---------------------|------------|
| Test Engineer : | Hank Hsu, Shiming Liu and Mina Liu | Temperature :       | 23.5~24.3℃ |
|                 |                                    | Relative Humidity : | 49~55%     |

## &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        | 16.70               | 16.65 | 24.20                | 24.40 | 15.55                | 15.55 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 1   | 157 | 5785        | 16.60               | 16.65 | 24.40                | 24.15 | 15.40                | 15.10 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 1   | 165 | 5825        | 16.70               | 16.65 | 24.50                | 24.15 | 15.35                | 15.35 | 0.5                             | Pass      |
| VHT20   | MCS0      | 1   | 149 | 5745        | 17.85               | 17.85 | 25.30                | 25.60 | 16.50                | 16.00 | 0.5                             | Pass      |
| VHT20   | MCS0      | 1   | 157 | 5785        | 17.90               | 17.90 | 25.75                | 25.30 | 15.90                | 16.50 | 0.5                             | Pass      |
| VHT20   | MCS0      | 1   | 165 | 5825        | 17.90               | 17.85 | 26.45                | 25.45 | 16.50                | 15.59 | 0.5                             | Pass      |
| VHT40   | MCS0      | 1   | 151 | 5755        | 36.60               | 36.50 | 41.76                | 41.79 | 35.64                | 35.07 | 0.5                             | Pass      |
| VHT40   | MCS0      | 1   | 159 | 5795        | 36.60               | 36.50 | 41.94                | 41.76 | 35.46                | 35.76 | 0.5                             | Pass      |
| VHT80   | MCS0      | 1   | 155 | 5775        | 76.68               | 76.92 | 83.84                | 84.15 | 75.20                | 73.92 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 2   | 149 | 5745        | 16.70               | 16.70 | 24.50                | 24.20 | 15.10                | 15.10 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 2   | 157 | 5785        | 16.65               | 16.65 | 24.40                | 24.70 | 15.80                | 15.10 | 0.5                             | Pass      |
| 11a     | 6Mbps     | 2   | 165 | 5825        | 16.70               | 16.70 | 24.35                | 24.90 | 15.60                | 15.05 | 0.5                             | Pass      |
| VHT20   | MCS0      | 2   | 149 | 5745        | 17.90               | 17.90 | 25.95                | 25.20 | 16.55                | 15.00 | 0.5                             | Pass      |
| VHT20   | MCS0      | 2   | 157 | 5785        | 17.85               | 17.85 | 26.00                | 25.15 | 16.50                | 15.10 | 0.5                             | Pass      |
| VHT20   | MCS0      | 2   | 165 | 5825        | 17.85               | 17.85 | 25.70                | 25.40 | 15.10                | 15.70 | 0.5                             | Pass      |
| VHT40   | MCS0      | 2   | 151 | 5755        | 36.70               | 36.60 | 41.76                | 41.94 | 34.98                | 35.64 | 0.5                             | Pass      |
| VHT40   | MCS0      | 2   | 159 | 5795        | 36.50               | 36.60 | 41.76                | 41.94 | 35.64                | 35.70 | 0.5                             | Pass      |
| VHT80   | MCS0      | 2   | 155 | 5775        | 76.80               | 76.92 | 83.75                | 83.86 | 75.20                | 75.20 | 0.5                             | Pass      |





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

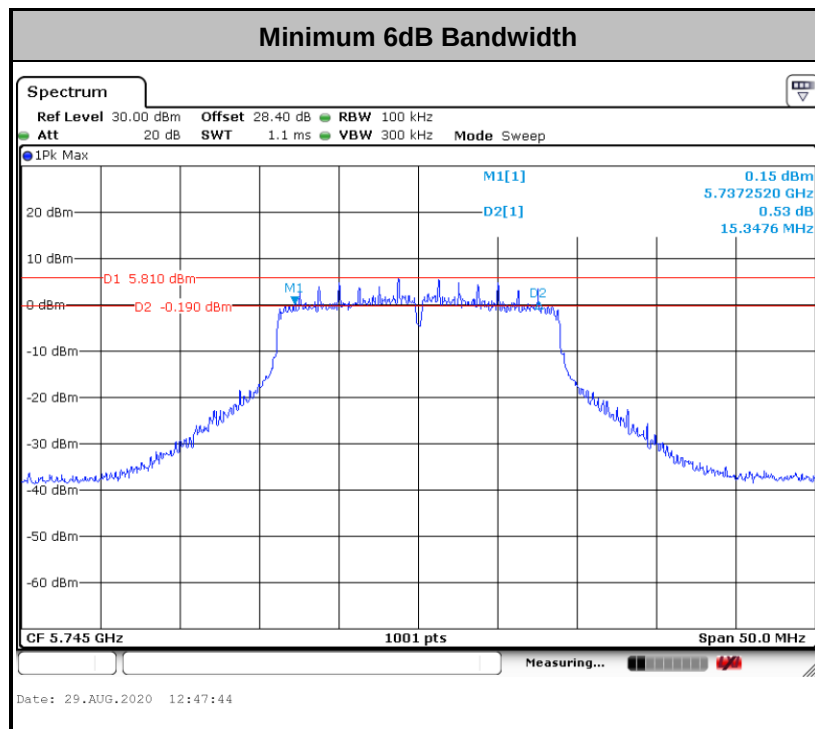


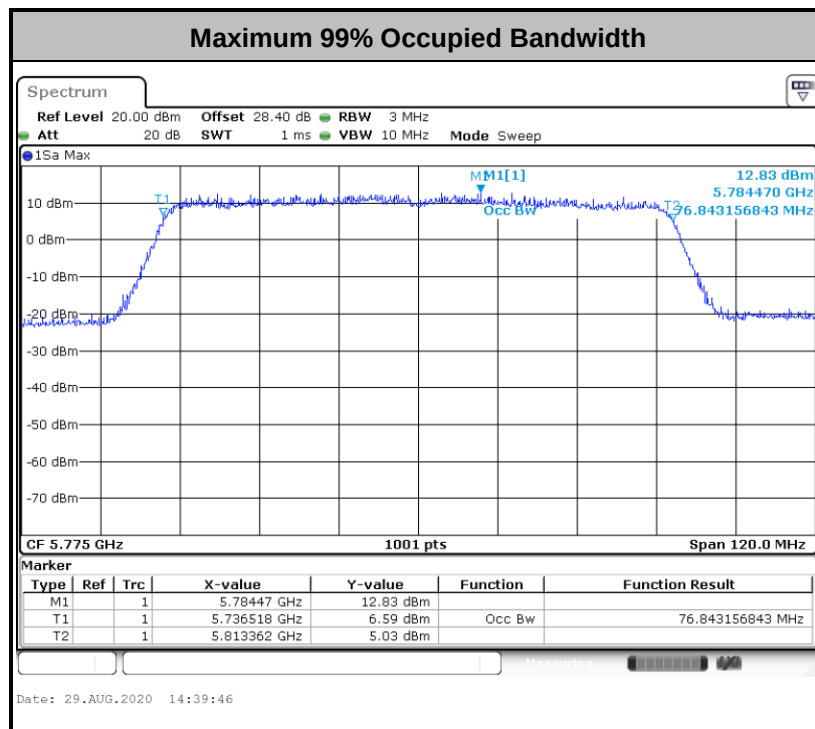
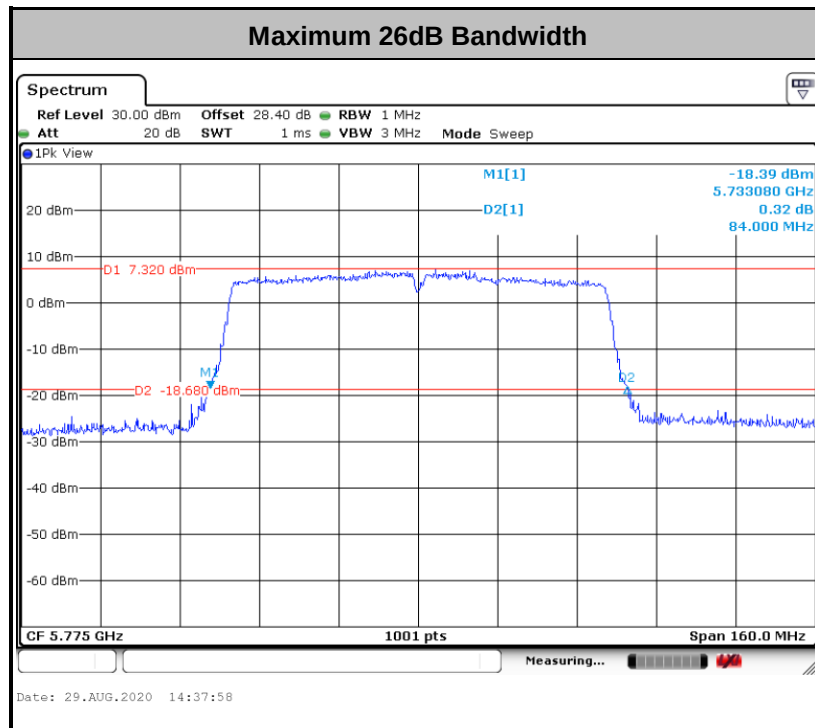


|                 |             |                     |            |
|-----------------|-------------|---------------------|------------|
| Test Engineer : | Shiming Liu | Temperature :       | 23.9~24.5℃ |
|                 |             | Relative Humidity : | 53~54%     |

## &lt;TXBF 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 |                                 |           |
| VHT20   | MCS0      | 2   | 149 | 5775        | 17.98               | 17.83 | 25.90                | 25.55 | 15.35                | 16.95 | 0.5                             | Pass      |
| VHT20   | MCS0      | 2   | 157 | 5785        | 18.03               | 17.88 | 26.70                | 26.25 | 15.90                | 17.50 | 0.5                             | Pass      |
| VHT20   | MCS0      | 2   | 165 | 5825        | 17.98               | 17.83 | 26.05                | 25.65 | 15.95                | 16.89 | 0.5                             | Pass      |
| VHT40   | MCS0      | 2   | 151 | 5755        | 36.56               | 36.56 | 42.12                | 42.21 | 35.10                | 35.73 | 0.5                             | Pass      |
| VHT40   | MCS0      | 2   | 159 | 5795        | 36.66               | 36.56 | 42.84                | 42.12 | 35.33                | 35.69 | 0.5                             | Pass      |
| VHT80   | MCS6      | 2   | 155 | 5775        | 76.84               | 76.72 | 84.00                | 83.12 | 76.32                | 75.36 | 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.

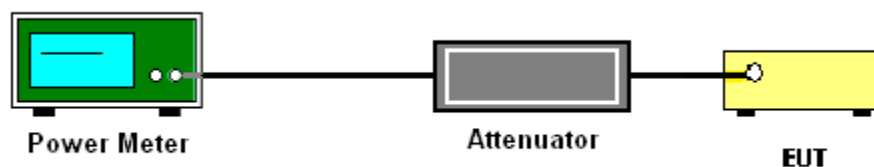
### 3.2.3 Test Procedures

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

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 : | Hank Hsu, Shiming Liu and Mina Liu | Temperature :       | 23.5~24.3℃ |
|                 |                                    | Relative Humidity : | 49~55%     |

## &lt;CDD Mode&gt;

| Band IV |           |     |     |             |                               |       |       |                                 |       |          |       |           |
|---------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|         |           |     |     |             | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| 11a     | 6Mbps     | 1   | 149 | 5745        | 14.90                         | 14.80 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| 11a     | 6Mbps     | 1   | 157 | 5785        | 14.70                         | 14.70 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| 11a     | 6Mbps     | 1   | 165 | 5825        | 14.70                         | 14.70 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| HT20    | MCS0      | 1   | 149 | 5745        | 14.80                         | 14.60 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| HT20    | MCS0      | 1   | 157 | 5785        | 14.60                         | 14.60 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| HT20    | MCS0      | 1   | 165 | 5825        | 14.70                         | 14.80 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| HT40    | MCS0      | 1   | 151 | 5755        | 14.80                         | 14.60 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| HT40    | MCS0      | 1   | 159 | 5795        | 14.60                         | 14.80 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| VHT20   | MCS0      | 1   | 149 | 5745        | 14.90                         | 14.70 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| VHT20   | MCS0      | 1   | 157 | 5785        | 14.70                         | 14.70 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| VHT20   | MCS0      | 1   | 165 | 5825        | 14.80                         | 14.90 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| VHT40   | MCS0      | 1   | 151 | 5755        | 14.90                         | 14.70 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| VHT40   | MCS0      | 1   | 159 | 5795        | 14.70                         | 14.90 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| VHT80   | MCS0      | 1   | 155 | 5775        | 14.60                         | 14.70 |       | 30.00                           | 30.00 | 3.60     | 4.10  | Pass      |
| 11a     | 6Mbps     | 2   | 149 | 5745        | 15.30                         | 15.60 | 18.46 | 30.00                           |       | 4.10     |       | Pass      |
| 11a     | 6Mbps     | 2   | 157 | 5785        | 15.60                         | 15.90 | 18.76 | 30.00                           |       | 4.10     |       | Pass      |
| 11a     | 6Mbps     | 2   | 165 | 5825        | 15.60                         | 15.90 | 18.76 | 30.00                           |       | 4.10     |       | Pass      |
| HT20    | MCS0      | 2   | 149 | 5745        | 15.60                         | 15.80 | 18.71 | 30.00                           |       | 4.10     |       | Pass      |
| HT20    | MCS0      | 2   | 157 | 5785        | 15.50                         | 15.80 | 18.66 | 30.00                           |       | 4.10     |       | Pass      |
| HT20    | MCS0      | 2   | 165 | 5825        | 15.50                         | 15.70 | 18.61 | 30.00                           |       | 4.10     |       | Pass      |
| HT40    | MCS0      | 2   | 151 | 5755        | 15.50                         | 15.80 | 18.66 | 30.00                           |       | 4.10     |       | Pass      |
| HT40    | MCS0      | 2   | 159 | 5795        | 15.40                         | 15.60 | 18.51 | 30.00                           |       | 4.10     |       | Pass      |
| VHT20   | MCS0      | 2   | 149 | 5745        | 15.70                         | 15.90 | 18.81 | 30.00                           |       | 4.10     |       | Pass      |
| VHT20   | MCS0      | 2   | 157 | 5785        | 15.60                         | 15.90 | 18.76 | 30.00                           |       | 4.10     |       | Pass      |
| VHT20   | MCS0      | 2   | 165 | 5825        | 15.60                         | 15.80 | 18.71 | 30.00                           |       | 4.10     |       | Pass      |
| VHT40   | MCS0      | 2   | 151 | 5755        | 15.60                         | 15.90 | 18.76 | 30.00                           |       | 4.10     |       | Pass      |
| VHT40   | MCS0      | 2   | 159 | 5795        | 15.50                         | 15.70 | 18.61 | 30.00                           |       | 4.10     |       | Pass      |
| VHT80   | MCS0      | 2   | 155 | 5775        | 15.80                         | 15.80 | 18.81 | 30.00                           |       | 4.10     |       | Pass      |



|                        |             |                            |            |
|------------------------|-------------|----------------------------|------------|
| <b>Test Engineer :</b> | Shiming Liu | <b>Temperature :</b>       | 23.9~24.5℃ |
|                        |             | <b>Relative Humidity :</b> | 53~54%     |

**<TXBF Mode>**

| Band IV |           |     |     |             |                               |       |       |                                 |       |          |       |           |
|---------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | Pass/Fail |
|         |           |     |     |             | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |           |
| VHT20   | MCS0      | 2   | 149 | 5745        | 15.50                         | 15.20 | 18.36 | 29.14                           |       | 6.86     |       | Pass      |
| VHT20   | MCS0      | 2   | 157 | 5785        | 15.60                         | 15.20 | 18.41 | 29.14                           |       | 6.86     |       | Pass      |
| VHT20   | MCS0      | 2   | 165 | 5825        | 15.60                         | 15.30 | 18.46 | 29.14                           |       | 6.86     |       | Pass      |
| VHT40   | MCS0      | 2   | 151 | 5755        | 15.40                         | 15.20 | 18.31 | 29.14                           |       | 6.86     |       | Pass      |
| VHT40   | MCS0      | 2   | 159 | 5795        | 15.40                         | 15.10 | 18.26 | 29.14                           |       | 6.86     |       | Pass      |
| VHT80   | MCS6      | 2   | 155 | 5775        | 15.60                         | 15.10 | 18.37 | 29.14                           |       | 6.86     |       | 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 = 1 MHz.
- Set VBW  $\geq$  3 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  $10 \log(1/x)$ , 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.

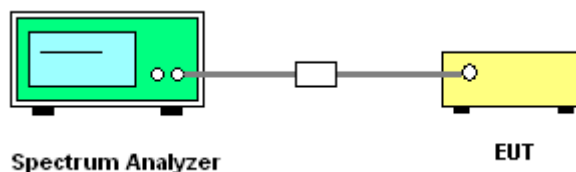
**<TXBF Modes>****# Method SA-3 #**

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

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 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  $10 \log(N_{ANT})$  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  $10 \log(N_{ANT})$  dB is added to each spectrum value before comparing to the emission limit. The addition of  $10 \log(N_{ANT})$  dB serves to apportion the emission limit among the  $N_{ANT}$  outputs so that each output is permitted to contribute no more than  $1/N_{ANT}^{th}$  of the PSD limit.

**3.3.4 Test Setup**



## 3.3.5 Test Result of Power Spectral Density

|                 |                                    |                     |            |
|-----------------|------------------------------------|---------------------|------------|
| Test Engineer : | Hank Hsu, Shiming Liu and Mina Liu | Temperature :       | 23.5~24.3℃ |
|                 |                                    | Relative Humidity : | 49~55%     |

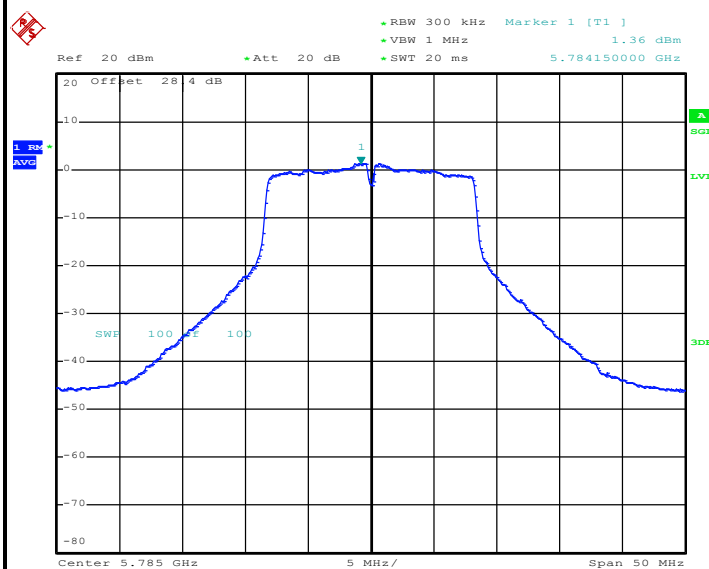
## &lt;CDD Mode&gt;

| Band IV |           |     |     |             |                                 |       |                                    |       |      |                                |       |          |       |            |
|---------|-----------|-----|-----|-------------|---------------------------------|-------|------------------------------------|-------|------|--------------------------------|-------|----------|-------|------------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 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 | SUM  | Ant 1                          | Ant 2 | Ant 1    | Ant 2 |            |
| 11a     | 6Mbps     | 1   | 149 | 5745        | 2.22                            | 2.22  | 2.72                               | 2.80  | -    | 30.00                          | 30.00 | 3.60     | 4.10  | Pass       |
| 11a     | 6Mbps     | 1   | 157 | 5785        | 2.22                            | 2.22  | 2.50                               | 2.45  |      | 30.00                          | 30.00 | 3.60     | 4.10  | Pass       |
| 11a     | 6Mbps     | 1   | 165 | 5825        | 2.22                            | 2.22  | 2.45                               | 2.33  |      | 30.00                          | 30.00 | 3.60     | 4.10  | Pass       |
| VHT20   | MCS0      | 1   | 149 | 5745        | 2.22                            | 2.22  | 2.84                               | 2.30  |      | 30.00                          | 30.00 | 3.60     | 4.10  | Pass       |
| VHT20   | MCS0      | 1   | 157 | 5785        | 2.22                            | 2.22  | 2.50                               | 1.93  |      | 30.00                          | 30.00 | 3.60     | 4.10  | Pass       |
| VHT20   | MCS0      | 1   | 165 | 5825        | 2.22                            | 2.22  | 2.45                               | 2.38  |      | 30.00                          | 30.00 | 3.60     | 4.10  | Pass       |
| VHT40   | MCS0      | 1   | 151 | 5755        | 2.22                            | 2.22  | -0.36                              | -0.69 |      | 30.00                          | 30.00 | 3.60     | 4.10  | Pass       |
| VHT40   | MCS0      | 1   | 159 | 5795        | 2.22                            | 2.22  | -0.85                              | -0.79 |      | 30.00                          | 30.00 | 3.60     | 4.10  | Pass       |
| VHT80   | MCS0      | 1   | 155 | 5775        | 2.22                            | 2.22  | -3.73                              | -3.48 |      | 30.00                          | 30.00 | 3.60     | 4.10  | Pass       |
| 11a     | 6Mbps     | 2   | 149 | 5745        | 2.22                            |       | 3.55                               | 3.41  | 6.56 | 29.14                          |       | 6.86     |       | Pass       |
| 11a     | 6Mbps     | 2   | 157 | 5785        | 2.22                            |       | 3.67                               | 3.76  | 6.77 | 29.14                          |       | 6.86     |       | Pass       |
| 11a     | 6Mbps     | 2   | 165 | 5825        | 2.22                            |       | 3.63                               | 3.60  | 6.64 | 29.14                          |       | 6.86     |       | Pass       |
| VHT20   | MCS0      | 2   | 149 | 5745        | 2.22                            |       | 3.65                               | 3.25  | 6.66 | 29.14                          |       | 6.86     |       | Pass       |
| VHT20   | MCS0      | 2   | 157 | 5785        | 2.22                            |       | 2.87                               | 2.99  | 6.00 | 29.14                          |       | 6.86     |       | Pass       |
| VHT20   | MCS0      | 2   | 165 | 5825        | 2.22                            |       | 3.00                               | 2.89  | 6.01 | 29.14                          |       | 6.86     |       | Pass       |
| VHT40   | MCS0      | 2   | 151 | 5755        | 2.22                            |       | 0.06                               | 0.28  | 3.29 | 29.14                          |       | 6.86     |       | Pass       |
| VHT40   | MCS0      | 2   | 159 | 5795        | 2.22                            |       | -0.09                              | 0.02  | 3.03 | 29.14                          |       | 6.86     |       | Pass       |
| VHT80   | MCS0      | 2   | 155 | 5775        | 2.22                            |       | -2.45                              | -2.50 | 0.56 | 29.14                          |       | 6.86     |       | Pass       |



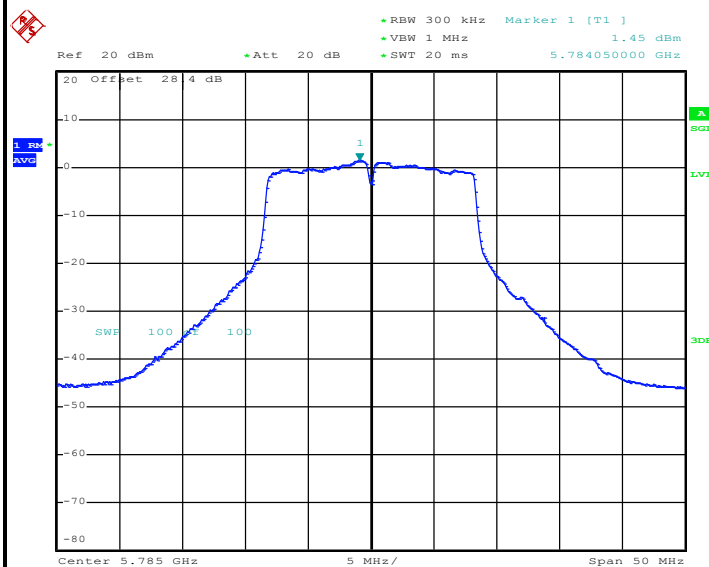


Worst Case Power Density (dBm/MHz) for MIMO Ant. 1



Date: 27.JUL.2020 10:28:27

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



Date: 27.JUL.2020 10:27:54



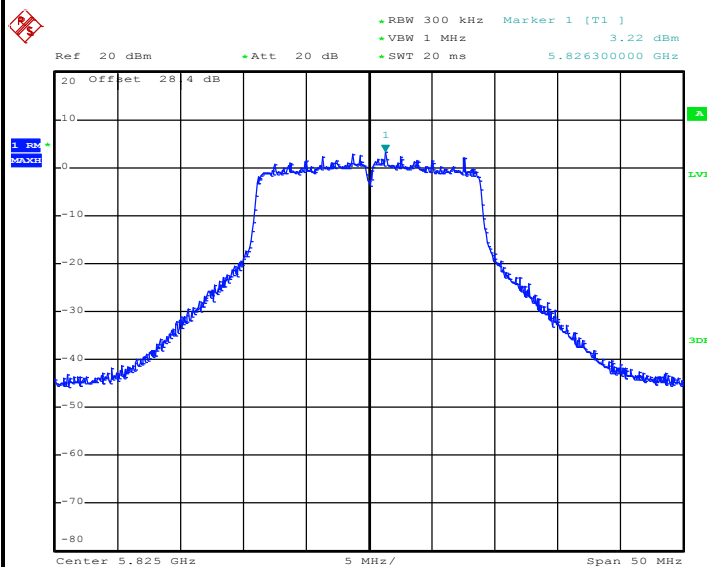
|                 |             |                     |            |
|-----------------|-------------|---------------------|------------|
| Test Engineer : | Shiming Liu | Temperature :       | 23.9~24.5℃ |
|                 |             | Relative Humidity : | 53~54%     |

## &lt;TXBF Mode&gt;

| Band IV |           |     |     |             |                                 |       |                                    |       |       |                                |       |          |       |            |
|---------|-----------|-----|-----|-------------|---------------------------------|-------|------------------------------------|-------|-------|--------------------------------|-------|----------|-------|------------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 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 | SUM   | Ant 1                          | Ant 2 | Ant 1    | Ant 2 |            |
| VHT20   | MCS0      | 2   | 149 | 5745        | 2.22                            |       | 15.50                              | 15.20 | 18.36 | 29.14                          |       | 6.86     |       | Pass       |
| VHT20   | MCS0      | 2   | 157 | 5785        | 2.22                            |       | 15.60                              | 15.20 | 18.41 | 29.14                          |       | 6.86     |       | Pass       |
| VHT20   | MCS0      | 2   | 165 | 5825        | 2.22                            |       | 15.60                              | 15.30 | 18.46 | 29.14                          |       | 6.86     |       | Pass       |
| VHT40   | MCS0      | 2   | 151 | 5755        | 2.22                            |       | 15.40                              | 15.20 | 18.31 | 29.14                          |       | 6.86     |       | Pass       |
| VHT40   | MCS0      | 2   | 159 | 5795        | 2.22                            |       | 15.40                              | 15.10 | 18.26 | 29.14                          |       | 6.86     |       | Pass       |
| VHT80   | MCS0      | 2   | 155 | 5775        | 2.22                            |       | 15.60                              | 15.10 | 18.37 | 29.14                          |       | 6.86     |       | Pass       |

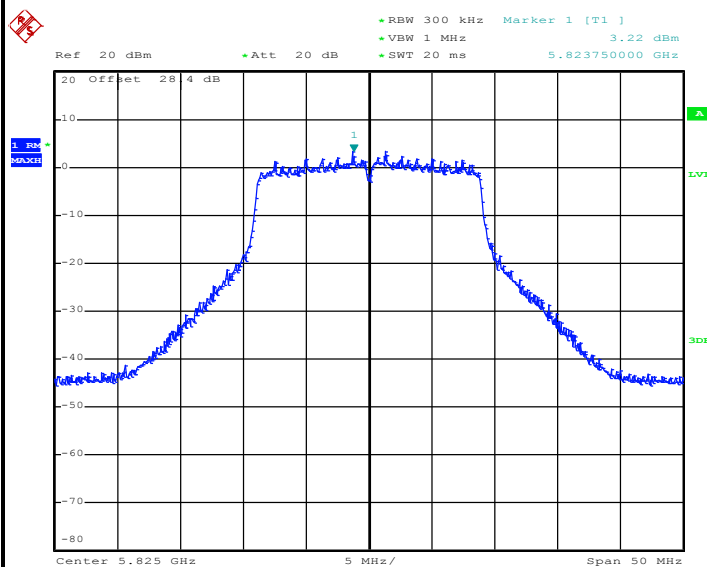


Worst Case Power Density (dBm/MHz) for MIMO Ant. 1



Date: 21.AUG.2020 20:58:10

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



Date: 21.AUG.2020 20:59:38

### 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) Sections 15.407(b)(1-3) specifies the unwanted emissions limit 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.
- (ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). The emission limits are based on the use of a peak detector.

### 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

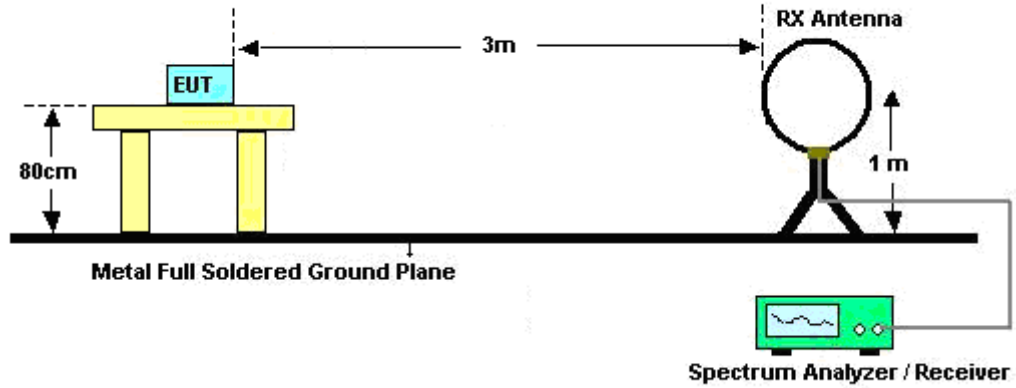
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



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.

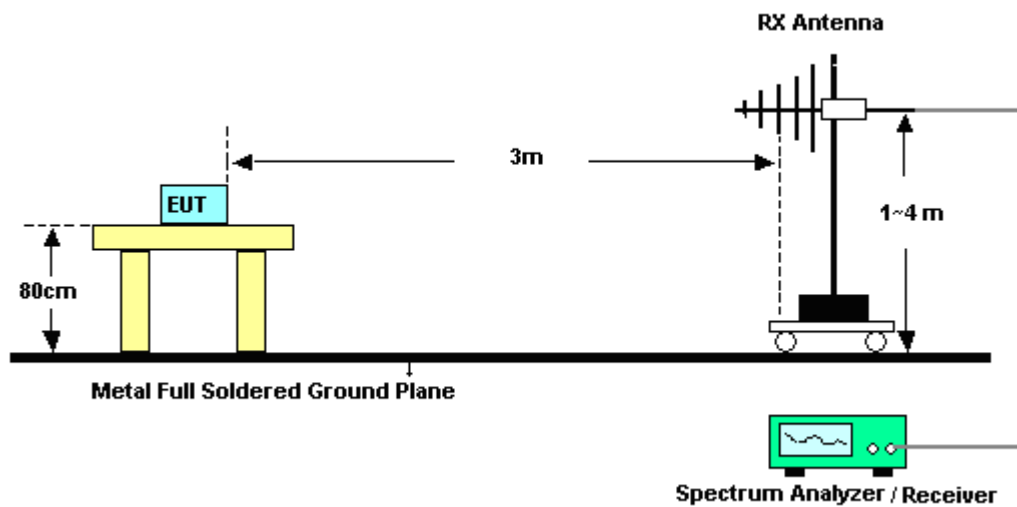
### 3.4.4 Test Setup

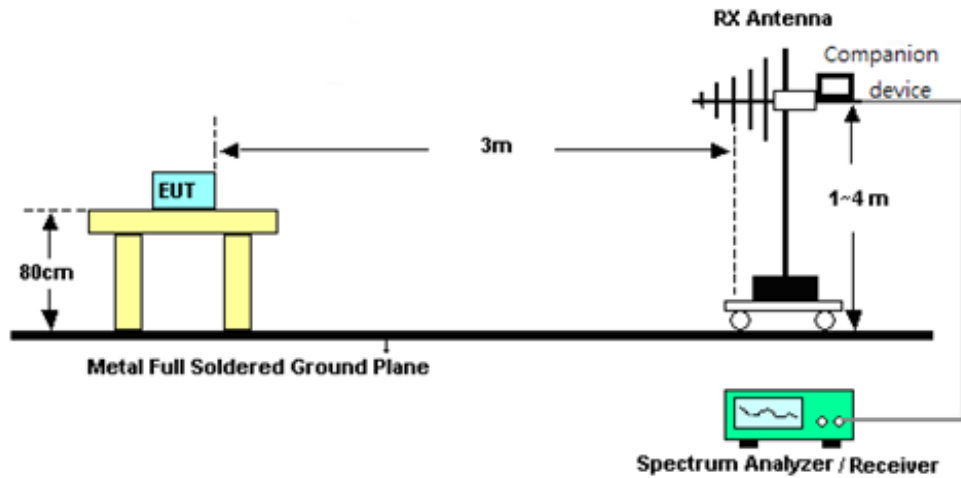
For radiated emissions below 30MHz



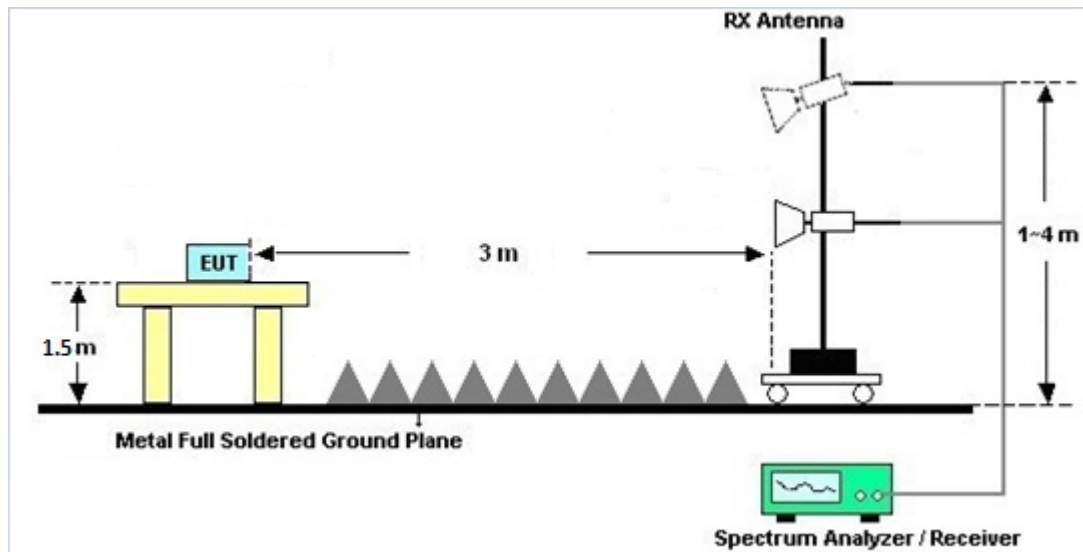
For radiated emissions from 30MHz to 1GHz

<CDD Mode>

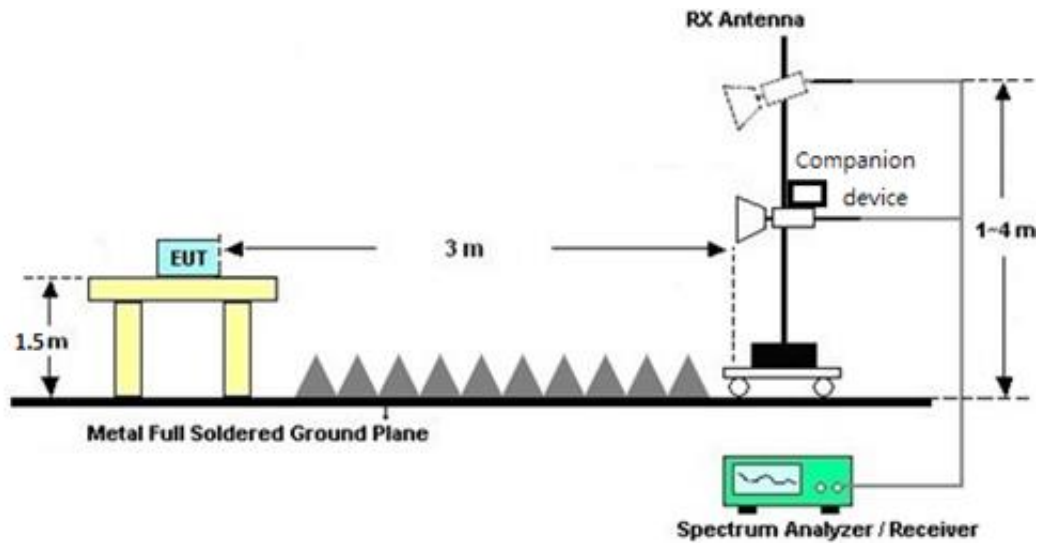


**<TXBF Modes>**


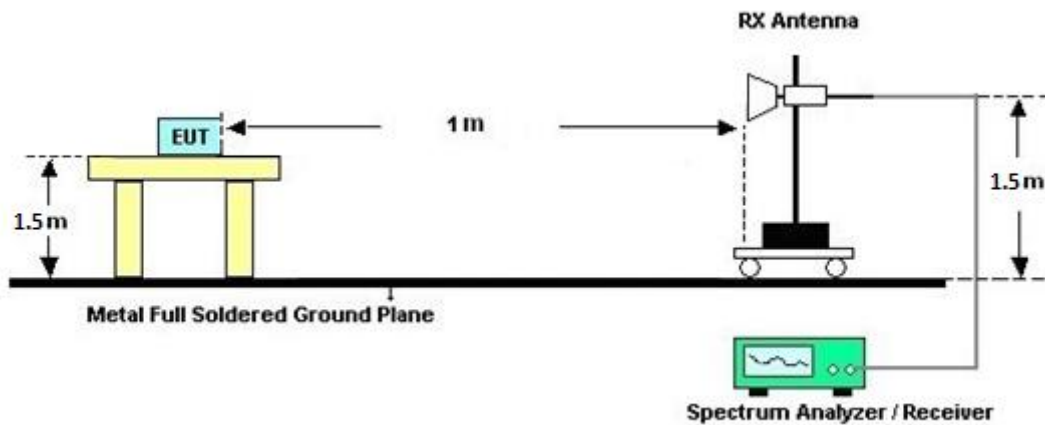
For radiated emissions 1GHz to 18GHz

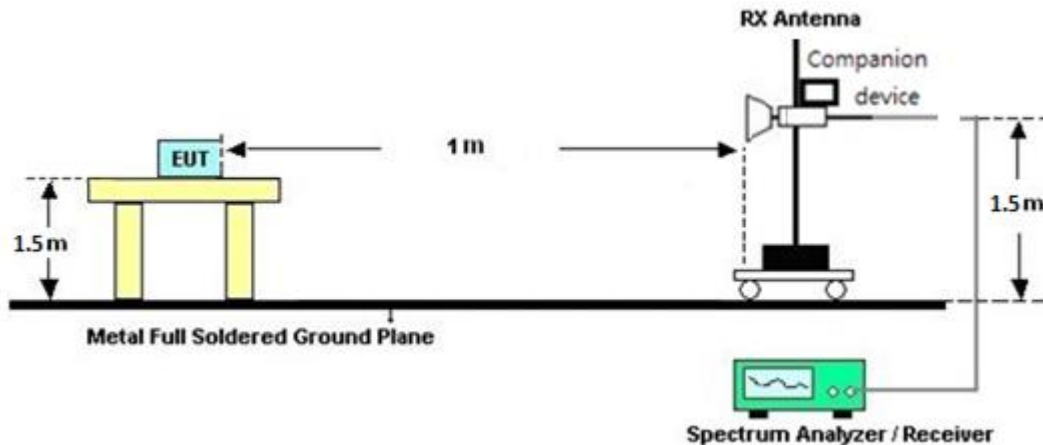
**<CDD Mode>**




**<TXBF Modes>**


For radiated emissions above 18GHz

**<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.

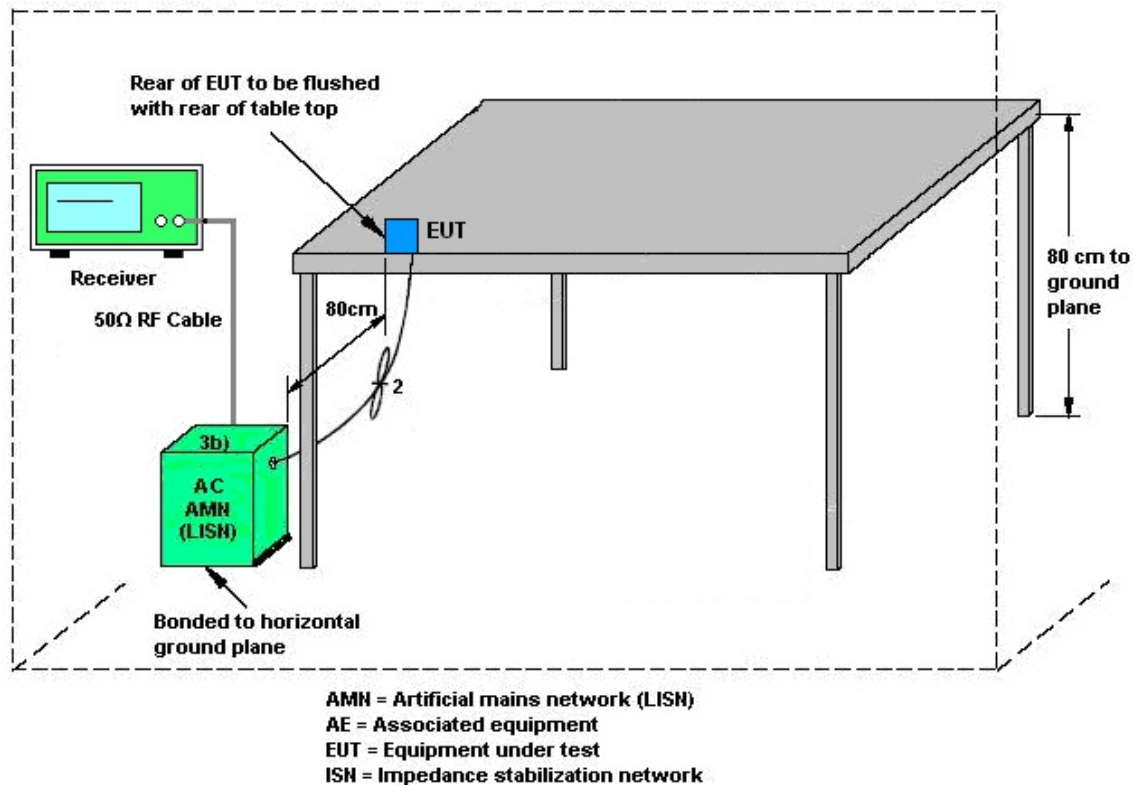
#### 3.5.2 Measuring Instruments

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     | 3.60   | 4.10   | 4.10  | 6.86  | 0.00      | 0.86      |

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

*PSD Limit Reduction =  $DG(\text{PSD}) - 6\text{dBi}$ , ( 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> | 3.60  | 4.10  | 6.86  | 6.86  | 0.86      | 0.86      |

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

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



## 4 List of Measuring Equipment

| Instrument              | Brand Name        | Model No.                       | Serial No.           | Characteristics | Calibration Date | Test Date                       | Due Date      | Remark                   |
|-------------------------|-------------------|---------------------------------|----------------------|-----------------|------------------|---------------------------------|---------------|--------------------------|
| Loop Antenna            | Rohde & Schwarz   | HFH2-Z2                         | 100488               | 9 kHz~30 MHz    | Jan. 09, 2020    | Jul. 21, 2020~<br>Aug. 07, 2020 | Jan. 08, 2021 | Radiation<br>(03CH16-HY) |
| Bilog Antenna           | TESEQ             | CBL6111D&0<br>0802N1D01N-<br>06 | 47020&06             | 30MHz to 1GHz   | Oct. 12, 2019    | Jul. 21, 2020~<br>Aug. 07, 2020 | Oct. 11, 2020 | Radiation<br>(03CH16-HY) |
| Horn Antenna            | SCHWARZBE<br>CK   | BBHA 9120 D                     | 9120D-152<br>2       | 1G~18GHz        | Sep. 19, 2019    | Jul. 21, 2020~<br>Aug. 07, 2020 | Sep. 18, 2020 | Radiation<br>(03CH16-HY) |
| SHF-EHF Horn<br>Antenna | SCHWARZBE<br>CK   | BBHA 9170                       | BBHA9170<br>980      | 18GHz~40GHz     | Jan. 10, 2020    | Jul. 21, 2020~<br>Aug. 07, 2020 | Jan. 09, 2021 | Radiation<br>(03CH16-HY) |
| Amplifier               | SONOMA            | 310N                            | 371607               | 9kHz~1G         | Oct. 01, 2019    | Jul. 21, 2020~<br>Aug. 07, 2020 | Sep. 30, 2020 | Radiation<br>(03CH16-HY) |
| Preamplifier            | Jet-Power         | JPA0118-55-3<br>03              | 171000180<br>0055006 | 1GHz~18GHz      | May 07, 2020     | Jul. 21, 2020~<br>Aug. 07, 2020 | May 06, 2021  | Radiation<br>(03CH16-HY) |
| Preamplifier            | EMEC              | EM18G40G                        | 060715               | 18GHz ~40GHz    | Dec. 13, 2019    | Jul. 21, 2020~<br>Aug. 07, 2020 | Dec. 12, 2020 | Radiation<br>(03CH16-HY) |
| Preamplifier            | Keysight          | 83017A                          | MY532702<br>64       | 1GHz~26.5GHz    | Dec. 11, 2019    | Jul. 21, 2020~<br>Aug. 07, 2020 | Dec. 10, 2020 | Radiation<br>(03CH16-HY) |
| EMI Test Receiver       | Keysight          | N9038A(MXE<br>)                 | MY572901<br>11       | 3Hz~26.5GHz     | Dec. 05, 2019    | Jul. 21, 2020~<br>Aug. 07, 2020 | Dec. 04, 2020 | Radiation<br>(03CH16-HY) |
| Spectrum<br>Analyzer    | Agilent           | E4446A                          | MY501801<br>36       | 3Hz~44GHz       | May 04, 2020     | Jul. 21, 2020~<br>Aug. 07, 2020 | May 03, 2021  | Radiation<br>(03CH16-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>104                 | MY11680/<br>4PE      | NA              | Aug. 30, 2019    | Jul. 21, 2020~<br>Aug. 07, 2020 | Aug. 29, 2020 | Radiation<br>(03CH16-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>104                 | MY11688/<br>4PE      | NA              | Aug. 30, 2019    | Jul. 21, 2020~<br>Aug. 07, 2020 | Aug. 29, 2020 | Radiation<br>(03CH16-HY) |
| RF Cable                | HUBER +<br>SUHNER | SUCOFLEX<br>102                 | EC-A5-300<br>-5757   | NA              | Aug. 30, 2019    | Jul. 21, 2020~<br>Aug. 07, 2020 | Aug. 29, 2020 | Radiation<br>(03CH16-HY) |
| Hygrometer              | TECPEL            | DTM-303B                        | TP162965             | N/A             | Oct. 25, 2019    | Jul. 21, 2020~<br>Aug. 07, 2020 | Oct. 24, 2020 | Radiation<br>(03CH16-HY) |
| Software                | Audix             | E3<br>6.2009-8-24               | RK-001136            | N/A             | N/A              | Jul. 21, 2020~<br>Aug. 07, 2020 | N/A           | Radiation<br>(03CH16-HY) |
| AC Power Source         | ChainTek          | APC-1000W                       | N/A                  | N/A             | N/A              | Jul. 27, 2020                   | N/A           | Conduction<br>(CO05-HY)  |
| EMI Test Receiver       | Rohde & Schwarz   | ESR3                            | 102388               | 9kHz~3.6GHz     | Nov. 15, 2019    | Jul. 27, 2020                   | Nov. 14, 2020 | Conduction<br>(CO05-HY)  |
| Hygrometer              | Testo             | 608-H1                          | 34913912             | N/A             | Nov. 07, 2019    | Jul. 27, 2020                   | Nov. 06, 2020 | Conduction<br>(CO05-HY)  |
| LISN                    | Rohde & Schwarz   | ENV216                          | 100081               | 9kHz~30MHz      | Nov. 15, 2019    | Jul. 27, 2020                   | Nov. 14, 2020 | Conduction<br>(CO05-HY)  |
| Software                | Rohde & Schwarz   | EMC32<br>V10.30                 | N/A                  | N/A             | N/A              | Jul. 27, 2020                   | N/A           | Conduction<br>(CO05-HY)  |
| LF Cable                | HUBER +<br>SUHNER | RG-214/U                        | LF01                 | N/A             | Jan. 02, 2020    | Jul. 27, 2020                   | Jan. 01, 2021 | Conduction<br>(CO05-HY)  |
| Pulse Limiter           | Rohde & Schwarz   | ESH3-Z2                         | 100851               | N/A             | Jan. 02, 2020    | Jul. 27, 2020                   | Jan. 01, 2021 | Conduction<br>(CO05-HY)  |





| Instrument            | Brand Name      | Model No. | Serial No.        | Characteristics | Calibration Date | Test Date                       | Due Date      | Remark                 |
|-----------------------|-----------------|-----------|-------------------|-----------------|------------------|---------------------------------|---------------|------------------------|
| <For CDD Mode>        |                 |           |                   |                 |                  |                                 |               |                        |
| Hygrometer            | Testo           | 608-H1    | 34893241          | N/A             | Mar. 02, 2020    | Jul. 16, 2020~<br>Aug. 18, 2020 | Mar. 01, 2021 | Conducted<br>(TH05-HY) |
| Power Sensor          | DARE            | RPR3006W  | 16I00054S<br>NO10 | 10MHz~6GHz      | Dec. 23, 2019    | Jul. 16, 2020~<br>Aug. 18, 2020 | Dec. 22, 2020 | Conducted<br>(TH05-HY) |
| Spectrum Analyzer     | Rohde & Schwarz | FSP40     | 100055            | 9kHz-40GHz      | Dec. 30, 2019    | Jul. 16, 2020~<br>Aug. 18, 2020 | Dec. 29, 2020 | Conducted<br>(TH05-HY) |
| Switch Box & RF Cable | Burgeon         | ETF-058   | EC1300484         | N/A             | Aug. 22, 2019    | Jul. 16, 2020~<br>Aug. 18, 2020 | Aug. 21, 2020 | Conducted<br>(TH05-HY) |
| <For TXBF Mode>       |                 |           |                   |                 |                  |                                 |               |                        |
| Hygrometer            | Testo           | 608-H1    | 34893241          | N/A             | Mar. 02, 2020    | Aug. 21, 2020~<br>Aug. 31, 2020 | Mar. 01, 2021 | Conducted<br>(TH05-HY) |
| Power Sensor          | DARE            | RPR3006W  | 16I00054S<br>NO10 | 10MHz~6GHz      | Dec. 23, 2019    | Aug. 21, 2020~<br>Aug. 31, 2020 | Dec. 22, 2020 | Conducted<br>(TH05-HY) |
| Signal Analyzer       | Rohde & Schwarz | FSV40     | 101397            | 10Hz~40GHz      | Nov. 15, 2019    | Aug. 21, 2020~<br>Aug. 31, 2020 | Nov. 14, 2020 | Conducted<br>(TH05-HY) |
| Switch Box & RF Cable | EM Electronics  | EMSW18SE  | SW200302          | N/A             | Mar. 17, 2020    | Aug. 21, 2020~<br>Aug. 31, 2020 | Mar. 16, 2021 | Conducted<br>(TH05-HY) |

## 5 Uncertainty of Evaluation

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.3 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.5 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 6.3 |
|-------------------------------------------------------------------------|-----|

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

|                                                                         |     |
|-------------------------------------------------------------------------|-----|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.7 |
|-------------------------------------------------------------------------|-----|



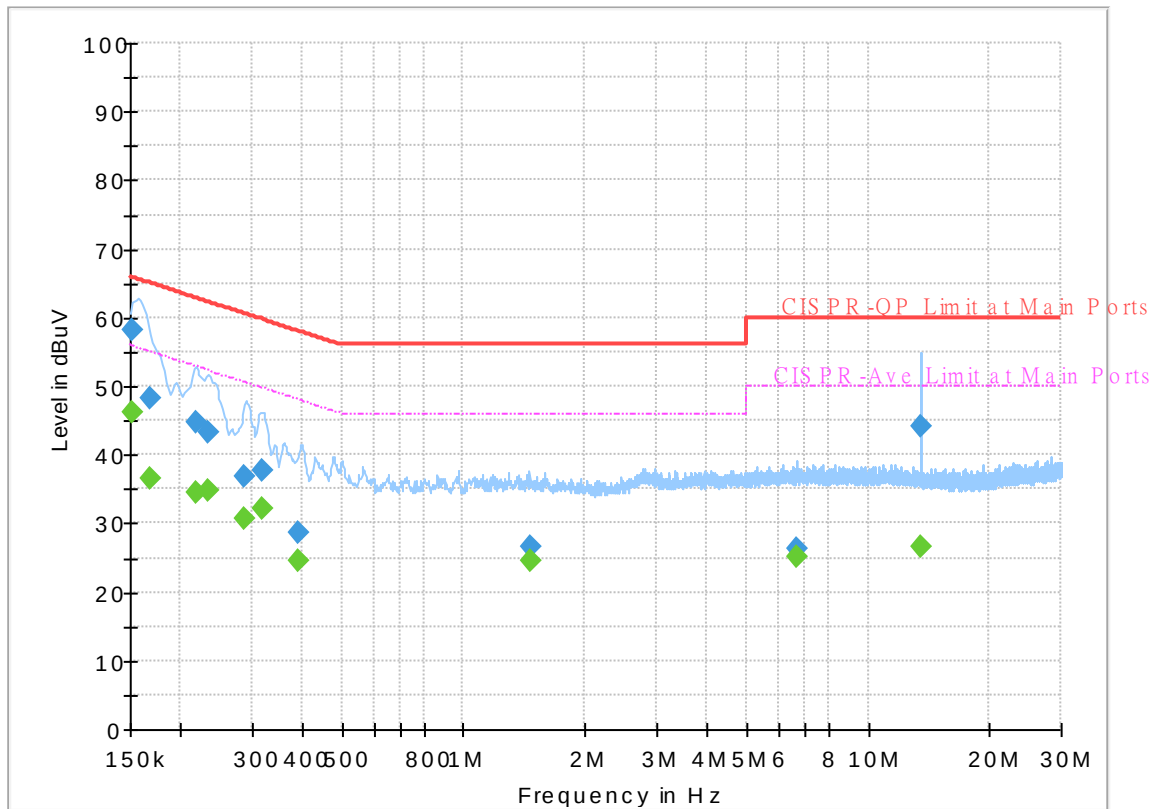
## Appendix A. AC Conducted Emission Test Results

|                 |         |                     |        |
|-----------------|---------|---------------------|--------|
| Test Engineer : | Tom Lee | Temperature :       | 23~25℃ |
|                 |         | Relative Humidity : | 42~50% |

# EUT Information

Report NO : 070601  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



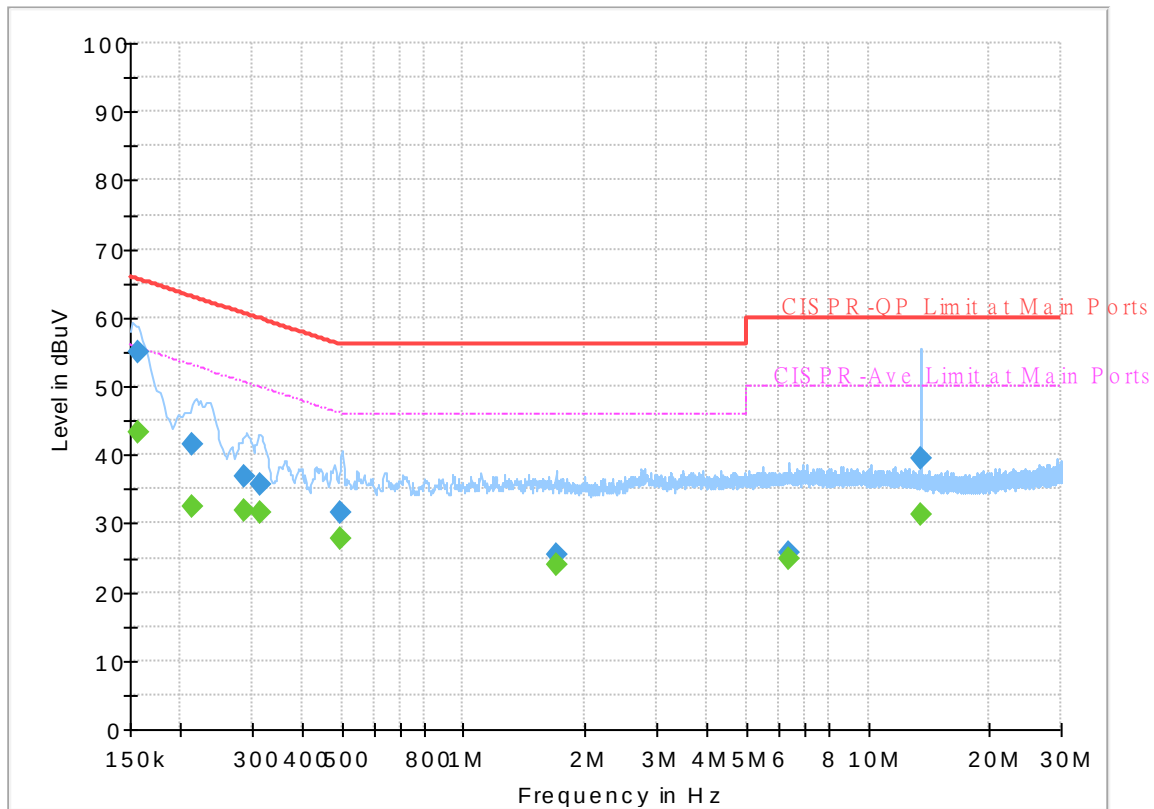
## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250        | ---              | 46.28           | 55.88        | 9.60        | L1   | OFF    | 19.6       |
| 0.152250        | 58.18            | ---             | 65.88        | 7.70        | L1   | OFF    | 19.6       |
| 0.168000        | ---              | 36.65           | 55.06        | 18.41       | L1   | OFF    | 19.6       |
| 0.168000        | 48.20            | ---             | 65.06        | 16.86       | L1   | OFF    | 19.6       |
| 0.217950        | ---              | 34.60           | 52.90        | 18.30       | L1   | OFF    | 19.6       |
| 0.217950        | 44.87            | ---             | 62.90        | 18.03       | L1   | OFF    | 19.6       |
| 0.233340        | ---              | 34.87           | 52.33        | 17.46       | L1   | OFF    | 19.6       |
| 0.233340        | 43.27            | ---             | 62.33        | 19.06       | L1   | OFF    | 19.6       |
| 0.286440        | ---              | 30.61           | 50.63        | 20.02       | L1   | OFF    | 19.6       |
| 0.286440        | 36.81            | ---             | 60.63        | 23.82       | L1   | OFF    | 19.6       |
| 0.316500        | ---              | 32.13           | 49.80        | 17.67       | L1   | OFF    | 19.6       |
| 0.316500        | 37.75            | ---             | 59.80        | 22.05       | L1   | OFF    | 19.6       |
| 0.390750        | ---              | 24.54           | 48.05        | 23.51       | L1   | OFF    | 19.6       |
| 0.390750        | 28.69            | ---             | 58.05        | 29.36       | L1   | OFF    | 19.6       |
| 1.457250        | ---              | 24.68           | 46.00        | 21.32       | L1   | OFF    | 19.6       |
| 1.457250        | 26.69            | ---             | 56.00        | 29.31       | L1   | OFF    | 19.6       |
| 6.643500        | ---              | 25.14           | 50.00        | 24.86       | L1   | OFF    | 19.9       |
| 6.643500        | 26.33            | ---             | 60.00        | 33.67       | L1   | OFF    | 19.9       |
| 13.560000       | ---              | 26.73           | 50.00        | 23.27       | L1   | OFF    | 20.2       |
| 13.560000       | 44.23            | ---             | 60.00        | 15.77       | L1   | OFF    | 20.2       |

## EUT Information

Report NO : 070601  
 Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Neutral

Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.156750        | ---              | 43.41           | 55.63        | 12.22       | N    | OFF    | 19.5       |
| 0.156750        | 54.83            | ---             | 65.63        | 10.80       | N    | OFF    | 19.5       |
| 0.213360        | ---              | 32.33           | 53.07        | 20.74       | N    | OFF    | 19.5       |
| 0.213360        | 41.48            | ---             | 63.07        | 21.59       | N    | OFF    | 19.5       |
| 0.287430        | ---              | 31.77           | 50.60        | 18.83       | N    | OFF    | 19.5       |
| 0.287430        | 36.70            | ---             | 60.60        | 23.90       | N    | OFF    | 19.5       |
| 0.315960        | ---              | 31.61           | 49.81        | 18.20       | N    | OFF    | 19.5       |
| 0.315960        | 35.56            | ---             | 59.81        | 24.25       | N    | OFF    | 19.5       |
| 0.498750        | ---              | 27.74           | 46.02        | 18.28       | N    | OFF    | 19.5       |
| 0.498750        | 31.49            | ---             | 56.02        | 24.53       | N    | OFF    | 19.5       |
| 1.698000        | ---              | 23.92           | 46.00        | 22.08       | N    | OFF    | 19.6       |
| 1.698000        | 25.56            | ---             | 56.00        | 30.44       | N    | OFF    | 19.6       |
| 6.348120        | ---              | 24.91           | 50.00        | 25.09       | N    | OFF    | 19.7       |
| 6.348120        | 25.83            | ---             | 60.00        | 34.17       | N    | OFF    | 19.7       |
| 13.560000       | ---              | 31.19           | 50.00        | 18.81       | N    | OFF    | 19.9       |
| 13.560000       | 39.44            | ---             | 60.00        | 20.56       | N    | OFF    | 19.9       |



## Appendix B. Radiated Spurious Emission

|                 |                                   |                     |         |
|-----------------|-----------------------------------|---------------------|---------|
| Test Engineer : | Jacky Hung, Andy Yang and CR Liro | Temperature :       | 20~25°C |
|                 |                                   | Relative Humidity : | 50~60%  |

&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 | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|------------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1                            |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |      | 5636.8    | 54.14      | -14.06     | 68.2       | 38.47      | 31.7           | 13.02     | 29.05         | 107     | 250       | P         | H       |
|                              |      | 5699.2    | 55.55      | -49.06     | 104.61     | 39.66      | 31.8           | 13.12     | 29.03         | 107     | 250       | P         | H       |
|                              |      | 5720      | 64.77      | -46.03     | 110.8      | 48.77      | 31.88          | 13.15     | 29.03         | 107     | 250       | P         | H       |
|                              |      | 5724.8    | 73.87      | -47.87     | 121.74     | 57.84      | 31.9           | 13.16     | 29.03         | 107     | 250       | P         | H       |
|                              | *    | 5745      | 113.48     | -          | -          | 97.33      | 31.98          | 13.19     | 29.02         | 107     | 250       | P         | H       |
|                              | *    | 5745      | 105.82     | -          | -          | 89.67      | 31.98          | 13.19     | 29.02         | 107     | 250       | A         | H       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |      |           |            |            |            |            |                |           |               |         |           |           | H       |
|                              |      | 5643.4    | 53.93      | -14.27     | 68.2       | 38.25      | 31.7           | 13.03     | 29.05         | 384     | 311       | P         | V       |
|                              |      | 5688.8    | 55.58      | -41.36     | 96.94      | 39.73      | 31.78          | 13.1      | 29.03         | 384     | 311       | P         | V       |
|                              |      | 5719.2    | 60.85      | -49.73     | 110.58     | 44.85      | 31.88          | 13.15     | 29.03         | 384     | 311       | P         | V       |
|                              |      | 5725      | 70.61      | -51.59     | 122.2      | 54.58      | 31.9           | 13.16     | 29.03         | 384     | 311       | P         | V       |
|                              | *    | 5745      | 109.87     | -          | -          | 93.72      | 31.98          | 13.19     | 29.02         | 384     | 311       | P         | V       |
|                              | *    | 5745      | 102.07     | -          | -          | 85.92      | 31.98          | 13.19     | 29.02         | 384     | 311       | 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 |      | 5603                 | 53.65               | -14.55                  | 68.2                        | 38.05                     | 31.7                          | 12.96                  | 29.06                      | 107                  | 253                     | P                       | H               |
|                              |      | 5654.6               | 54.69               | -16.93                  | 71.62                       | 38.97                     | 31.71                         | 13.05                  | 29.04                      | 107                  | 253                     | P                       | H               |
|                              |      | 5710.6               | 56.12               | -52.05                  | 108.17                      | 40.17                     | 31.84                         | 13.14                  | 29.03                      | 107                  | 253                     | P                       | H               |
|                              |      | 5725                 | 54.92               | -67.28                  | 122.2                       | 38.89                     | 31.9                          | 13.16                  | 29.03                      | 107                  | 253                     | P                       | H               |
|                              | *    | 5785                 | 114.18              | -                       | -                           | 97.86                     | 32.07                         | 13.26                  | 29.01                      | 107                  | 253                     | P                       | H               |
|                              | *    | 5785                 | 106.33              | -                       | -                           | 90.01                     | 32.07                         | 13.26                  | 29.01                      | 107                  | 253                     | A                       | H               |
|                              |      | 5851.4               | 54.9                | -64.11                  | 119.01                      | 38.49                     | 32.1                          | 13.31                  | 29                         | 107                  | 253                     | P                       | H               |
|                              |      | 5856.8               | 57.6                | -52.7                   | 110.3                       | 41.17                     | 32.11                         | 13.31                  | 28.99                      | 107                  | 253                     | P                       | H               |
|                              |      | 5921.4               | 55.27               | -15.58                  | 70.85                       | 38.61                     | 32.29                         | 13.35                  | 28.98                      | 107                  | 253                     | P                       | H               |
|                              |      | 5946                 | 54.46               | -13.74                  | 68.2                        | 37.68                     | 32.38                         | 13.37                  | 28.97                      | 107                  | 253                     | P                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5650                 | 53.9                | -14.3                   | 68.2                        | 38.2                      | 31.7                          | 13.04                  | 29.04                      | 385                  | 346                     | P                       | V               |
|                              |      | 5659.6               | 54.19               | -21.14                  | 75.33                       | 38.45                     | 31.72                         | 13.06                  | 29.04                      | 385                  | 346                     | P                       | V               |
|                              |      | 5719.2               | 54.18               | -56.4                   | 110.58                      | 38.18                     | 31.88                         | 13.15                  | 29.03                      | 385                  | 346                     | P                       | V               |
|                              |      | 5724                 | 54.29               | -65.63                  | 119.92                      | 38.26                     | 31.9                          | 13.16                  | 29.03                      | 385                  | 346                     | P                       | V               |
|                              | *    | 5785                 | 110.27              | -                       | -                           | 93.95                     | 32.07                         | 13.26                  | 29.01                      | 385                  | 346                     | P                       | V               |
|                              | *    | 5785                 | 102.64              | -                       | -                           | 86.32                     | 32.07                         | 13.26                  | 29.01                      | 385                  | 346                     | A                       | V               |
|                              |      | 5850.6               | 53.86               | -66.97                  | 120.83                      | 37.45                     | 32.1                          | 13.31                  | 29                         | 385                  | 346                     | P                       | V               |
|                              |      | 5859.8               | 54.76               | -54.69                  | 109.45                      | 38.31                     | 32.12                         | 13.32                  | 28.99                      | 385                  | 346                     | P                       | V               |
|                              |      | 5877                 | 55.34               | -48.37                  | 103.71                      | 38.85                     | 32.15                         | 13.33                  | 28.99                      | 385                  | 346                     | P                       | V               |
|                              |      | 5940                 | 53.64               | -14.56                  | 68.2                        | 36.89                     | 32.36                         | 13.36                  | 28.97                      | 385                  | 346                     | P                       | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>1                     | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b> | *                                                                                           | 5825                 | 114.62              | -                       | -                           | 98.22                     | 32.1                          | 13.3                   | 29                         | 105                  | 253                     | P                       | H               |
|                                       | *                                                                                           | 5825                 | 106.8               | -                       | -                           | 90.4                      | 32.1                          | 13.3                   | 29                         | 105                  | 253                     | A                       | H               |
|                                       |                                                                                             | 5850.8               | 66.5                | -53.88                  | 120.38                      | 50.09                     | 32.1                          | 13.31                  | 29                         | 105                  | 253                     | P                       | H               |
|                                       |                                                                                             | 5855.6               | 66.58               | -44.05                  | 110.63                      | 50.15                     | 32.11                         | 13.31                  | 28.99                      | 105                  | 253                     | P                       | H               |
|                                       |                                                                                             | 5885.8               | 57.46               | -39.72                  | 97.18                       | 40.95                     | 32.17                         | 13.33                  | 28.99                      | 105                  | 253                     | P                       | H               |
|                                       |                                                                                             | 5927.6               | 55.36               | -12.84                  | 68.2                        | 38.67                     | 32.31                         | 13.36                  | 28.98                      | 105                  | 253                     | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       | *                                                                                           | 5825                 | 110.84              | -                       | -                           | 94.44                     | 32.1                          | 13.3                   | 29                         | 400                  | 349                     | P                       | V               |
|                                       | *                                                                                           | 5825                 | 103.26              | -                       | -                           | 86.86                     | 32.1                          | 13.3                   | 29                         | 400                  | 349                     | A                       | V               |
|                                       |                                                                                             | 5850.8               | 63.18               | -57.2                   | 120.38                      | 46.77                     | 32.1                          | 13.31                  | 29                         | 400                  | 349                     | P                       | V               |
|                                       |                                                                                             | 5855.8               | 59.26               | -51.32                  | 110.58                      | 42.83                     | 32.11                         | 13.31                  | 28.99                      | 400                  | 349                     | P                       | V               |
|                                       |                                                                                             | 5882.6               | 56.37               | -43.19                  | 99.56                       | 39.86                     | 32.17                         | 13.33                  | 28.99                      | 400                  | 349                     | P                       | V               |
|                                       |                                                                                             | 5934.4               | 54.94               | -13.26                  | 68.2                        | 38.22                     | 32.34                         | 13.36                  | 28.98                      | 400                  | 349                     | P                       | 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>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 149<br>5745MHz |                                                                                             | 11490                | 49.98               | -24.02                  | 74                          | 50.12                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17235                | 51.97               | -16.23                  | 68.2                        | 43.47                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11490                | 49.95               | -24.05                  | 74                          | 50.09                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17235                | 53.21               | -14.99                  | 68.2                        | 44.71                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 157<br>5785MHz |                                                                                             | 11570                | 49.99               | -24.01                  | 74                          | 50.32                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17355                | 52.87               | -15.33                  | 68.2                        | 43.47                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11570                | 49.94               | -24.06                  | 74                          | 50.27                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17355                | 52.63               | -15.57                  | 68.2                        | 43.23                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 165<br>5825MHz |                                                                                             | 11650                | 49.98               | -24.02                  | 74                          | 50.61                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17475                | 54.15               | -14.05                  | 68.2                        | 43.82                     | 41.97                         | 26.89                  | 58.53                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11650                | 49.94               | -24.06                  | 74                          | 50.57                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17475                | 53.53               | -14.67                  | 68.2                        | 43.2                      | 41.97                         | 26.89                  | 58.53                      | 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 VHT20 (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>VHT20<br>CH 149<br>5745MHz |      | 5628                 | 54.94               | -13.26                  | 68.2                        | 39.29                     | 31.7                          | 13                     | 29.05                      | 100                  | 310                     | P                       | H               |
|                                        |      | 5698.6               | 57.37               | -46.8                   | 104.17                      | 41.48                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 310                     | P                       | H               |
|                                        |      | 5719.8               | 71.92               | -38.82                  | 110.74                      | 55.92                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 310                     | P                       | H               |
|                                        |      | 5723.4               | 81.33               | -37.22                  | 118.55                      | 65.31                     | 31.89                         | 13.16                  | 29.03                      | 100                  | 310                     | P                       | H               |
|                                        | *    | 5745                 | 114.23              | -                       | -                           | 98.08                     | 31.98                         | 13.19                  | 29.02                      | 100                  | 310                     | P                       | H               |
|                                        | *    | 5745                 | 106.59              | -                       | -                           | 90.44                     | 31.98                         | 13.19                  | 29.02                      | 100                  | 310                     | A                       | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5627.6               | 54.36               | -13.84                  | 68.2                        | 38.71                     | 31.7                          | 13                     | 29.05                      | 384                  | 315                     | P                       | V               |
|                                        |      | 5689.8               | 55.01               | -42.67                  | 97.68                       | 39.16                     | 31.78                         | 13.1                   | 29.03                      | 384                  | 315                     | P                       | V               |
|                                        |      | 5719.8               | 67.81               | -42.93                  | 110.74                      | 51.81                     | 31.88                         | 13.15                  | 29.03                      | 384                  | 315                     | P                       | V               |
|                                        |      | 5725                 | 77.94               | -44.26                  | 122.2                       | 61.91                     | 31.9                          | 13.16                  | 29.03                      | 384                  | 315                     | P                       | V               |
|                                        | *    | 5745                 | 110.69              | -                       | -                           | 94.54                     | 31.98                         | 13.19                  | 29.02                      | 384                  | 315                     | P                       | V               |
|                                        | *    | 5745                 | 102.87              | -                       | -                           | 86.72                     | 31.98                         | 13.19                  | 29.02                      | 384                  | 315                     | 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 ) |
|--------------------------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11ac</b><br><b>VHT20</b><br><b>CH 157</b><br><b>5785MHz</b> |      | 5618.4               | 54.33               | -13.87                  | 68.2                        | 38.69                     | 31.7                          | 12.99                  | 29.05                      | 100                  | 310                     | P                       | H               |
|                                                                    |      | 5697.8               | 55.11               | -48.47                  | 103.58                      | 39.22                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 310                     | P                       | H               |
|                                                                    |      | 5715.6               | 56.44               | -53.13                  | 109.57                      | 40.47                     | 31.86                         | 13.14                  | 29.03                      | 100                  | 310                     | P                       | H               |
|                                                                    |      | 5724.6               | 56.07               | -65.22                  | 121.29                      | 40.04                     | 31.9                          | 13.16                  | 29.03                      | 100                  | 310                     | P                       | H               |
|                                                                    | *    | 5785                 | 113.87              | -                       | -                           | 97.55                     | 32.07                         | 13.26                  | 29.01                      | 100                  | 310                     | P                       | H               |
|                                                                    | *    | 5785                 | 106.37              | -                       | -                           | 90.05                     | 32.07                         | 13.26                  | 29.01                      | 100                  | 310                     | A                       | H               |
|                                                                    |      | 5850.8               | 56.12               | -64.26                  | 120.38                      | 39.71                     | 32.1                          | 13.31                  | 29                         | 100                  | 310                     | P                       | H               |
|                                                                    |      | 5873                 | 54.61               | -51.15                  | 105.76                      | 38.13                     | 32.15                         | 13.32                  | 28.99                      | 100                  | 310                     | P                       | H               |
|                                                                    |      | 5876.4               | 55.96               | -48.2                   | 104.16                      | 39.47                     | 32.15                         | 13.33                  | 28.99                      | 100                  | 310                     | P                       | H               |
|                                                                    |      | 5946.4               | 55.16               | -13.04                  | 68.2                        | 38.37                     | 32.39                         | 13.37                  | 28.97                      | 100                  | 310                     | P                       | H               |
|                                                                    |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                    |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                    |      | 5646                 | 53.65               | -14.55                  | 68.2                        | 37.96                     | 31.7                          | 13.03                  | 29.04                      | 399                  | 315                     | P                       | V               |
|                                                                    |      | 5686.4               | 54.96               | -40.21                  | 95.17                       | 39.13                     | 31.77                         | 13.1                   | 29.04                      | 399                  | 315                     | P                       | V               |
|                                                                    |      | 5711.4               | 54.1                | -54.29                  | 108.39                      | 38.14                     | 31.85                         | 13.14                  | 29.03                      | 399                  | 315                     | P                       | V               |
|                                                                    |      | 5724.8               | 54.77               | -66.97                  | 121.74                      | 38.74                     | 31.9                          | 13.16                  | 29.03                      | 399                  | 315                     | P                       | V               |
|                                                                    | *    | 5785                 | 111.16              | -                       | -                           | 94.84                     | 32.07                         | 13.26                  | 29.01                      | 399                  | 315                     | P                       | V               |
|                                                                    | *    | 5785                 | 103.52              | -                       | -                           | 87.2                      | 32.07                         | 13.26                  | 29.01                      | 399                  | 315                     | A                       | V               |
|                                                                    |      | 5850.8               | 54.37               | -66.01                  | 120.38                      | 37.96                     | 32.1                          | 13.31                  | 29                         | 399                  | 315                     | P                       | V               |
|                                                                    |      | 5871.6               | 55.52               | -50.63                  | 106.15                      | 39.05                     | 32.14                         | 13.32                  | 28.99                      | 399                  | 315                     | P                       | V               |
|                                                                    |      | 5890.4               | 54.68               | -39.09                  | 93.77                       | 38.16                     | 32.18                         | 13.33                  | 28.99                      | 399                  | 315                     | P                       | V               |
|                                                                    |      | 5939.8               | 54.93               | -13.27                  | 68.2                        | 38.18                     | 32.36                         | 13.36                  | 28.97                      | 399                  | 315                     | 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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 114.28              | -                       | -                           | 97.88                     | 32.1                          | 13.3                   | 29                         | 100                  | 310                     | P                       | H               |
|                                        | *                                                                                           | 5825                 | 106.56              | -                       | -                           | 90.16                     | 32.1                          | 13.3                   | 29                         | 100                  | 310                     | A                       | H               |
|                                        |                                                                                             | 5850                 | 74.53               | -47.67                  | 122.2                       | 58.12                     | 32.1                          | 13.31                  | 29                         | 100                  | 310                     | P                       | H               |
|                                        |                                                                                             | 5856.6               | 68.91               | -41.44                  | 110.35                      | 52.48                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 310                     | P                       | H               |
|                                        |                                                                                             | 5876.8               | 57.86               | -46                     | 103.86                      | 41.37                     | 32.15                         | 13.33                  | 28.99                      | 100                  | 310                     | P                       | H               |
|                                        |                                                                                             | 5926.8               | 55.07               | -13.13                  | 68.2                        | 38.38                     | 32.31                         | 13.36                  | 28.98                      | 100                  | 310                     | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        | *                                                                                           | 5825                 | 111.76              | -                       | -                           | 95.36                     | 32.1                          | 13.3                   | 29                         | 395                  | 313                     | P                       | V               |
|                                        | *                                                                                           | 5825                 | 103.75              | -                       | -                           | 87.35                     | 32.1                          | 13.3                   | 29                         | 395                  | 313                     | A                       | V               |
|                                        |                                                                                             | 5850.2               | 69.66               | -52.08                  | 121.74                      | 53.25                     | 32.1                          | 13.31                  | 29                         | 395                  | 313                     | P                       | V               |
|                                        |                                                                                             | 5855                 | 62.57               | -48.23                  | 110.8                       | 46.14                     | 32.11                         | 13.31                  | 28.99                      | 395                  | 313                     | P                       | V               |
|                                        |                                                                                             | 5877.4               | 56.63               | -46.79                  | 103.42                      | 40.14                     | 32.15                         | 13.33                  | 28.99                      | 395                  | 313                     | P                       | V               |
|                                        |                                                                                             | 5927                 | 55.44               | -12.76                  | 68.2                        | 38.75                     | 32.31                         | 13.36                  | 28.98                      | 395                  | 313                     | 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 VHT20 (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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 149<br>5745MHz |                                                                                             | 11490                | 49.87               | -24.13                  | 74                          | 50.01                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17235                | 52.77               | -15.43                  | 68.2                        | 44.27                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11490                | 49.94               | -24.06                  | 74                          | 50.08                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17235                | 52.76               | -15.44                  | 68.2                        | 44.26                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 157<br>5785MHz |                                                                                             | 11570                | 49.94               | -24.06                  | 74                          | 50.27                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17355                | 53.32               | -14.88                  | 68.2                        | 43.92                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11570                | 49.84               | -24.16                  | 74                          | 50.17                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17355                | 52.34               | -15.86                  | 68.2                        | 42.94                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 165<br>5825MHz |                                                                                             | 11650                | 49.9                | -24.1                   | 74                          | 50.53                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17475                | 53.03               | -15.17                  | 68.2                        | 42.7                      | 41.97                         | 26.89                  | 58.53                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11650                | 49.83               | -24.17                  | 74                          | 50.46                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17475                | 53.7                | -14.5                   | 68.2                        | 43.37                     | 41.97                         | 26.89                  | 58.53                      | 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                      | 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 |      | 5624.6               | 54.51               | -13.69                  | 68.2                        | 38.86                     | 31.7                          | 13                     | 29.05                      | 100                  | 309                     | P                       | H               |
|                                        |      | 5699.2               | 63.89               | -40.72                  | 104.61                      | 48                        | 31.8                          | 13.12                  | 29.03                      | 100                  | 309                     | P                       | H               |
|                                        |      | 5719                 | 77.11               | -33.41                  | 110.52                      | 61.11                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 309                     | P                       | H               |
|                                        |      | 5724                 | 78.54               | -41.38                  | 119.92                      | 62.51                     | 31.9                          | 13.16                  | 29.03                      | 100                  | 309                     | P                       | H               |
|                                        | *    | 5755                 | 110.75              | -                       | -                           | 94.55                     | 32.01                         | 13.21                  | 29.02                      | 100                  | 309                     | P                       | H               |
|                                        | *    | 5755                 | 102.89              | -                       | -                           | 86.69                     | 32.01                         | 13.21                  | 29.02                      | 100                  | 309                     | A                       | H               |
|                                        |      | 5854.8               | 54.87               | -56.39                  | 111.26                      | 38.44                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 309                     | P                       | H               |
|                                        |      | 5866.8               | 56.64               | -50.85                  | 107.49                      | 40.18                     | 32.13                         | 13.32                  | 28.99                      | 100                  | 309                     | P                       | H               |
|                                        |      | 5880.2               | 55.72               | -45.62                  | 101.34                      | 39.22                     | 32.16                         | 13.33                  | 28.99                      | 100                  | 309                     | P                       | H               |
|                                        |      | 5938.6               | 56.35               | -11.85                  | 68.2                        | 39.61                     | 32.35                         | 13.36                  | 28.97                      | 100                  | 309                     | P                       | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5643.2               | 54.27               | -13.93                  | 68.2                        | 38.59                     | 31.7                          | 13.03                  | 29.05                      | 381                  | 311                     | P                       | V               |
|                                        |      | 5696.4               | 58.44               | -44.11                  | 102.55                      | 42.57                     | 31.79                         | 13.11                  | 29.03                      | 381                  | 311                     | P                       | V               |
|                                        |      | 5718.8               | 70.88               | -39.58                  | 110.46                      | 54.88                     | 31.88                         | 13.15                  | 29.03                      | 381                  | 311                     | P                       | V               |
|                                        |      | 5724.2               | 71.66               | -48.72                  | 120.38                      | 55.63                     | 31.9                          | 13.16                  | 29.03                      | 381                  | 311                     | P                       | V               |
|                                        | *    | 5755                 | 107.14              | -                       | -                           | 90.94                     | 32.01                         | 13.21                  | 29.02                      | 381                  | 311                     | P                       | V               |
|                                        | *    | 5755                 | 99.43               | -                       | -                           | 83.23                     | 32.01                         | 13.21                  | 29.02                      | 381                  | 311                     | A                       | V               |
|                                        |      | 5852.2               | 53.47               | -63.71                  | 117.18                      | 37.06                     | 32.1                          | 13.31                  | 29                         | 381                  | 311                     | P                       | V               |
|                                        |      | 5861                 | 55.28               | -53.84                  | 109.12                      | 38.83                     | 32.12                         | 13.32                  | 28.99                      | 381                  | 311                     | P                       | V               |
|                                        |      | 5918.2               | 54.62               | -18.59                  | 73.21                       | 37.98                     | 32.27                         | 13.35                  | 28.98                      | 381                  | 311                     | P                       | V               |
|                                        |      | 5934.6               | 54.99               | -13.21                  | 68.2                        | 38.27                     | 32.34                         | 13.36                  | 28.98                      | 381                  | 311                     | 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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 159<br>5795MHz |                                                                                             | 5605.8               | 55.12               | -13.08                  | 68.2                        | 39.5                      | 31.7                          | 12.97                  | 29.05                      | 100                  | 309                     | P                       | H               |
|                                        |                                                                                             | 5692                 | 54.59               | -44.71                  | 99.3                        | 38.73                     | 31.78                         | 13.11                  | 29.03                      | 100                  | 309                     | P                       | H               |
|                                        |                                                                                             | 5719.6               | 56.86               | -53.83                  | 110.69                      | 40.86                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 309                     | P                       | H               |
|                                        |                                                                                             | 5724.8               | 58.85               | -62.89                  | 121.74                      | 42.82                     | 31.9                          | 13.16                  | 29.03                      | 100                  | 309                     | P                       | H               |
|                                        | *                                                                                           | 5795                 | 110.56              | -                       | -                           | 94.21                     | 32.09                         | 13.27                  | 29.01                      | 100                  | 309                     | P                       | H               |
|                                        | *                                                                                           | 5795                 | 102.71              | -                       | -                           | 86.36                     | 32.09                         | 13.27                  | 29.01                      | 100                  | 309                     | A                       | H               |
|                                        |                                                                                             | 5852.8               | 61.52               | -54.3                   | 115.82                      | 45.1                      | 32.11                         | 13.31                  | 29                         | 100                  | 309                     | P                       | H               |
|                                        |                                                                                             | 5856.6               | 60.16               | -50.19                  | 110.35                      | 43.73                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 309                     | P                       | H               |
|                                        |                                                                                             | 5885                 | 55.9                | -41.87                  | 97.77                       | 39.39                     | 32.17                         | 13.33                  | 28.99                      | 100                  | 309                     | P                       | H               |
|                                        |                                                                                             | 5931.8               | 54.47               | -13.73                  | 68.2                        | 37.76                     | 32.33                         | 13.36                  | 28.98                      | 100                  | 309                     | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 5617                 | 53.9                | -14.3                   | 68.2                        | 38.26                     | 31.7                          | 12.99                  | 29.05                      | 397                  | 311                     | P                       | V               |
|                                        |                                                                                             | 5685.2               | 54.17               | -40.11                  | 94.28                       | 38.34                     | 31.77                         | 13.1                   | 29.04                      | 397                  | 311                     | P                       | V               |
|                                        |                                                                                             | 5714.4               | 54.51               | -54.72                  | 109.23                      | 38.54                     | 31.86                         | 13.14                  | 29.03                      | 397                  | 311                     | P                       | V               |
|                                        |                                                                                             | 5724                 | 57.39               | -62.53                  | 119.92                      | 41.36                     | 31.9                          | 13.16                  | 29.03                      | 397                  | 311                     | P                       | V               |
|                                        | *                                                                                           | 5795                 | 107.41              | -                       | -                           | 91.06                     | 32.09                         | 13.27                  | 29.01                      | 397                  | 311                     | P                       | V               |
|                                        | *                                                                                           | 5795                 | 99.48               | -                       | -                           | 83.13                     | 32.09                         | 13.27                  | 29.01                      | 397                  | 311                     | A                       | V               |
|                                        |                                                                                             | 5854.2               | 57.19               | -55.43                  | 112.62                      | 40.76                     | 32.11                         | 13.31                  | 28.99                      | 397                  | 311                     | P                       | V               |
|                                        |                                                                                             | 5860                 | 55.93               | -53.47                  | 109.4                       | 39.48                     | 32.12                         | 13.32                  | 28.99                      | 397                  | 311                     | P                       | V               |
|                                        |                                                                                             | 5875.6               | 54.89               | -49.86                  | 104.75                      | 38.4                      | 32.15                         | 13.33                  | 28.99                      | 397                  | 311                     | P                       | V               |
|                                        |                                                                                             | 5938.6               | 54.87               | -13.33                  | 68.2                        | 38.13                     | 32.35                         | 13.36                  | 28.97                      | 397                  | 311                     | 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 (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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 151<br>5755MHz |                                                                                             | 11510                | 49.84               | -24.16                  | 74                          | 49.98                     | 40.07                         | 20.7                   | 60.91                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17265                | 51.88               | -16.32                  | 68.2                        | 43.17                     | 40.96                         | 26.53                  | 58.78                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11510                | 49.89               | -24.11                  | 74                          | 50.03                     | 40.07                         | 20.7                   | 60.91                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17265                | 53.1                | -15.1                   | 68.2                        | 44.39                     | 40.96                         | 26.53                  | 58.78                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT40<br>CH 159<br>5795MHz |                                                                                             | 11590                | 49.86               | -24.14                  | 74                          | 50.26                     | 39.83                         | 20.78                  | 61.01                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17385                | 53.74               | -14.46                  | 68.2                        | 44.12                     | 41.52                         | 26.74                  | 58.64                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11590                | 49.93               | -24.07                  | 74                          | 50.33                     | 39.83                         | 20.78                  | 61.01                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17385                | 53.04               | -15.16                  | 68.2                        | 43.42                     | 41.52                         | 26.74                  | 58.64                      | 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                      | 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 |                                                              | 5648.8               | 57.45               | -10.75                  | 68.2                        | 41.75                     | 31.7                          | 13.04                  | 29.04                      | 100                  | 255                     | P                       | H               |
|                                        |                                                              | 5697.2               | 70                  | -33.14                  | 103.14                      | 54.12                     | 31.79                         | 13.12                  | 29.03                      | 100                  | 255                     | P                       | H               |
|                                        |                                                              | 5718.8               | 72.78               | -37.68                  | 110.46                      | 56.78                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 255                     | P                       | H               |
|                                        |                                                              | 5722.2               | 72.69               | -43.13                  | 115.82                      | 56.67                     | 31.89                         | 13.16                  | 29.03                      | 100                  | 255                     | P                       | H               |
|                                        | *                                                            | 5775                 | 106.69              | -                       | -                           | 90.41                     | 32.05                         | 13.24                  | 29.01                      | 100                  | 255                     | P                       | H               |
|                                        | *                                                            | 5775                 | 98.98               | -                       | -                           | 82.7                      | 32.05                         | 13.24                  | 29.01                      | 100                  | 255                     | A                       | H               |
|                                        |                                                              | 5850                 | 70.85               | -51.35                  | 122.2                       | 54.44                     | 32.1                          | 13.31                  | 29                         | 100                  | 255                     | P                       | H               |
|                                        |                                                              | 5855                 | 70.41               | -40.39                  | 110.8                       | 53.98                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 255                     | P                       | H               |
|                                        |                                                              | 5878.4               | 63.29               | -39.38                  | 102.67                      | 46.79                     | 32.16                         | 13.33                  | 28.99                      | 100                  | 255                     | P                       | H               |
|                                        |                                                              | 5947.2               | 55.46               | -12.74                  | 68.2                        | 38.67                     | 32.39                         | 13.37                  | 28.97                      | 100                  | 255                     | P                       | H               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                              | 5634.6               | 55.58               | -12.62                  | 68.2                        | 39.91                     | 31.7                          | 13.02                  | 29.05                      | 399                  | 316                     | P                       | V               |
|                                        |                                                              | 5697.4               | 67.27               | -36.01                  | 103.28                      | 51.39                     | 31.79                         | 13.12                  | 29.03                      | 399                  | 316                     | P                       | V               |
|                                        |                                                              | 5717.2               | 70.22               | -39.8                   | 110.02                      | 54.23                     | 31.87                         | 13.15                  | 29.03                      | 399                  | 316                     | P                       | V               |
|                                        |                                                              | 5720.4               | 69.52               | -42.19                  | 111.71                      | 53.52                     | 31.88                         | 13.15                  | 29.03                      | 399                  | 316                     | P                       | V               |
|                                        | *                                                            | 5775                 | 104.57              | -                       | -                           | 88.29                     | 32.05                         | 13.24                  | 29.01                      | 399                  | 316                     | P                       | V               |
|                                        | *                                                            | 5775                 | 97.1                | -                       | -                           | 80.82                     | 32.05                         | 13.24                  | 29.01                      | 399                  | 316                     | A                       | V               |
|                                        |                                                              | 5852.8               | 64.62               | -51.2                   | 115.82                      | 48.2                      | 32.11                         | 13.31                  | 29                         | 399                  | 316                     | P                       | V               |
|                                        |                                                              | 5859.2               | 64.24               | -45.38                  | 109.62                      | 47.79                     | 32.12                         | 13.32                  | 28.99                      | 399                  | 316                     | P                       | V               |
|                                        |                                                              | 5875                 | 58.86               | -46.34                  | 105.2                       | 42.38                     | 32.15                         | 13.32                  | 28.99                      | 399                  | 316                     | P                       | V               |
|                                        |                                                              | 5931.8               | 54.95               | -13.25                  | 68.2                        | 38.24                     | 32.33                         | 13.36                  | 28.98                      | 399                  | 316                     | 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                | 49.94               | -24.06                  | 74                          | 50.21                     | 39.95                         | 20.74                  | 60.96                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             | 17325                | 52.33               | -15.87                  | 68.2                        | 43.18                     | 41.22                         | 26.64                  | 58.71                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             | 11550                | 49.93               | -24.07                  | 74                          | 50.2                      | 39.95                         | 20.74                  | 60.96                      | 100                  | 0                       | P                       | V               |
|                                                  |                                                                                             | 17325                | 53.07               | -15.13                  | 68.2                        | 43.92                     | 41.22                         | 26.64                  | 58.71                      | 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)

| WIFI                                | Note                                                                       | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                |                                                                            |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1                                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 5GHz<br>802.11ac<br><br>VHT80<br>LF |                                                                            | 144.46    | 32.7       | -10.8  | 43.5       | 45.66  | 17.21    | 2.11   | 32.28  | -      | -       | P     | H     |
|                                     |                                                                            | 229.82    | 25.61      | -20.39 | 46         | 39.05  | 16.25    | 2.64   | 32.33  | -      | -       | P     | H     |
|                                     |                                                                            | 458.74    | 25.5       | -20.5  | 46         | 30.66  | 23.35    | 3.63   | 32.14  | -      | -       | P     | H     |
|                                     |                                                                            | 640.13    | 28.17      | -17.83 | 46         | 29.45  | 26.4     | 4.33   | 32.01  | -      | -       | P     | H     |
|                                     |                                                                            | 741.98    | 31.35      | -14.65 | 46         | 30.86  | 28.05    | 4.68   | 32.24  | -      | -       | P     | H     |
|                                     |                                                                            | 898.15    | 37.24      | -8.76  | 46         | 35.03  | 28.99    | 5.15   | 31.93  | 100    | 0       | P     | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                     |                                                                            | 53.28     | 33.21      | -6.79  | 40         | 51.57  | 12.82    | 1.24   | 32.42  | 100    | 0       | P     | V     |
|                                     |                                                                            | 147.37    | 26.48      | -17.02 | 43.5       | 39.6   | 17.02    | 2.14   | 32.28  | -      | -       | P     | V     |
|                                     |                                                                            | 363.68    | 21.31      | -24.69 | 46         | 29.53  | 20.79    | 3.25   | 32.26  | -      | -       | P     | V     |
|                                     |                                                                            | 561.56    | 28.66      | -17.34 | 46         | 30.42  | 26.17    | 4.06   | 31.99  | -      | -       | P     | V     |
|                                     |                                                                            | 746.83    | 31.52      | -14.48 | 46         | 30.97  | 28.1     | 4.7    | 32.25  | -      | -       | P     | V     |
|                                     |                                                                            | 897.18    | 32.97      | -13.03 | 46         | 30.78  | 28.98    | 5.14   | 31.93  | -      | -       | 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 |      | 5648                 | 54.76               | -13.44                  | 68.2                        | 39.06                     | 31.7                          | 13.04                  | 29.04                      | 110                  | 69                      | P                       | H               |
|                              |      | 5700                 | 62.2                | -43                     | 105.2                       | 46.31                     | 31.8                          | 13.12                  | 29.03                      | 110                  | 69                      | P                       | H               |
|                              |      | 5719.2               | 72.32               | -38.26                  | 110.58                      | 56.32                     | 31.88                         | 13.15                  | 29.03                      | 110                  | 69                      | P                       | H               |
|                              |      | 5725                 | 85.81               | -36.39                  | 122.2                       | 69.78                     | 31.9                          | 13.16                  | 29.03                      | 110                  | 69                      | P                       | H               |
|                              | *    | 5745                 | 116.58              | -                       | -                           | 100.43                    | 31.98                         | 13.19                  | 29.02                      | 110                  | 69                      | P                       | H               |
|                              | *    | 5745                 | 108.77              | -                       | -                           | 92.62                     | 31.98                         | 13.19                  | 29.02                      | 110                  | 69                      | A                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5649.8               | 54.77               | -13.43                  | 68.2                        | 39.07                     | 31.7                          | 13.04                  | 29.04                      | 101                  | 236                     | P                       | V               |
|                              |      | 5699                 | 59.86               | -44.6                   | 104.46                      | 43.97                     | 31.8                          | 13.12                  | 29.03                      | 101                  | 236                     | P                       | V               |
|                              |      | 5718.8               | 68.72               | -41.74                  | 110.46                      | 52.72                     | 31.88                         | 13.15                  | 29.03                      | 101                  | 236                     | P                       | V               |
|                              |      | 5724.4               | 80.23               | -40.6                   | 120.83                      | 64.2                      | 31.9                          | 13.16                  | 29.03                      | 101                  | 236                     | P                       | V               |
|                              | *    | 5745                 | 112.89              | -                       | -                           | 96.74                     | 31.98                         | 13.19                  | 29.02                      | 101                  | 236                     | P                       | V               |
|                              | *    | 5745                 | 105.33              | -                       | -                           | 89.18                     | 31.98                         | 13.19                  | 29.02                      | 101                  | 236                     | A                       | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| WIFI<br>Ant.<br>2            | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 157<br>5785MHz |      | 5636.4               | 54.61               | -13.59                  | 68.2                        | 38.94                     | 31.7                          | 13.02                  | 29.05                      | 100                  | 73                      | P                       | H               |
|                              |      | 5670.4               | 54.21               | -29.13                  | 83.34                       | 38.44                     | 31.74                         | 13.07                  | 29.04                      | 100                  | 73                      | P                       | H               |
|                              |      | 5718.6               | 57.13               | -53.28                  | 110.41                      | 41.14                     | 31.87                         | 13.15                  | 29.03                      | 100                  | 73                      | P                       | H               |
|                              |      | 5723                 | 58.22               | -59.42                  | 117.64                      | 42.2                      | 31.89                         | 13.16                  | 29.03                      | 100                  | 73                      | P                       | H               |
|                              | *    | 5785                 | 116.06              | -                       | -                           | 99.74                     | 32.07                         | 13.26                  | 29.01                      | 100                  | 73                      | P                       | H               |
|                              | *    | 5785                 | 108.43              | -                       | -                           | 92.11                     | 32.07                         | 13.26                  | 29.01                      | 100                  | 73                      | A                       | H               |
|                              |      | 5850.6               | 56.91               | -63.92                  | 120.83                      | 40.5                      | 32.1                          | 13.31                  | 29                         | 100                  | 73                      | P                       | H               |
|                              |      | 5860.2               | 56.99               | -52.35                  | 109.34                      | 40.54                     | 32.12                         | 13.32                  | 28.99                      | 100                  | 73                      | P                       | H               |
|                              |      | 5899                 | 56.07               | -31.33                  | 87.4                        | 39.51                     | 32.2                          | 13.34                  | 28.98                      | 100                  | 73                      | P                       | H               |
|                              |      | 5936.2               | 54.39               | -13.81                  | 68.2                        | 37.67                     | 32.34                         | 13.36                  | 28.98                      | 100                  | 73                      | P                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5605                 | 54.47               | -13.73                  | 68.2                        | 38.85                     | 31.7                          | 12.97                  | 29.05                      | 107                  | 235                     | P                       | V               |
|                              |      | 5679.6               | 54.39               | -35.75                  | 90.14                       | 38.58                     | 31.76                         | 13.09                  | 29.04                      | 107                  | 235                     | P                       | V               |
|                              |      | 5703.8               | 55.46               | -50.81                  | 106.27                      | 39.54                     | 31.82                         | 13.13                  | 29.03                      | 107                  | 235                     | P                       | V               |
|                              |      | 5724                 | 57.16               | -62.76                  | 119.92                      | 41.13                     | 31.9                          | 13.16                  | 29.03                      | 107                  | 235                     | P                       | V               |
|                              | *    | 5785                 | 112.66              | -                       | -                           | 96.34                     | 32.07                         | 13.26                  | 29.01                      | 107                  | 235                     | P                       | V               |
|                              | *    | 5785                 | 104.98              | -                       | -                           | 88.66                     | 32.07                         | 13.26                  | 29.01                      | 107                  | 235                     | A                       | V               |
|                              |      | 5855                 | 55.78               | -55.02                  | 110.8                       | 39.35                     | 32.11                         | 13.31                  | 28.99                      | 107                  | 235                     | P                       | V               |
|                              |      | 5872.2               | 55.86               | -50.12                  | 105.98                      | 39.39                     | 32.14                         | 13.32                  | 28.99                      | 107                  | 235                     | P                       | V               |
|                              |      | 5891.8               | 56.81               | -35.92                  | 92.73                       | 40.28                     | 32.18                         | 13.34                  | 28.99                      | 107                  | 235                     | P                       | V               |
|                              |      | 5943.6               | 55.7                | -12.5                   | 68.2                        | 38.93                     | 32.37                         | 13.37                  | 28.97                      | 107                  | 235                     | 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                 | 115.31              | -                       | -                           | 98.91                     | 32.1                          | 13.3                   | 29                         | 100                  | 73                      | P                       | H               |
|                                       | *                                                                                           | 5825                 | 107.78              | -                       | -                           | 91.38                     | 32.1                          | 13.3                   | 29                         | 100                  | 73                      | A                       | H               |
|                                       |                                                                                             | 5850                 | 73.88               | -48.32                  | 122.2                       | 57.47                     | 32.1                          | 13.31                  | 29                         | 100                  | 73                      | P                       | H               |
|                                       |                                                                                             | 5855.2               | 70.26               | -40.48                  | 110.74                      | 53.83                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 73                      | P                       | H               |
|                                       |                                                                                             | 5881.8               | 58.4                | -41.75                  | 100.15                      | 41.9                      | 32.16                         | 13.33                  | 28.99                      | 100                  | 73                      | P                       | H               |
|                                       |                                                                                             | 5943.4               | 55.76               | -12.44                  | 68.2                        | 38.99                     | 32.37                         | 13.37                  | 28.97                      | 100                  | 73                      | P                       | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       | *                                                                                           | 5825                 | 111.95              | -                       | -                           | 95.55                     | 32.1                          | 13.3                   | 29                         | 100                  | 231                     | P                       | V               |
|                                       | *                                                                                           | 5825                 | 104.5               | -                       | -                           | 88.1                      | 32.1                          | 13.3                   | 29                         | 100                  | 231                     | A                       | V               |
|                                       |                                                                                             | 5850.4               | 68.45               | -52.84                  | 121.29                      | 52.04                     | 32.1                          | 13.31                  | 29                         | 100                  | 231                     | P                       | V               |
|                                       |                                                                                             | 5855.6               | 68.86               | -41.77                  | 110.63                      | 52.43                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 231                     | P                       | V               |
|                                       |                                                                                             | 5878                 | 57.89               | -45.08                  | 102.97                      | 41.39                     | 32.16                         | 13.33                  | 28.99                      | 100                  | 231                     | P                       | V               |
|                                       |                                                                                             | 5944.4               | 54.79               | -13.41                  | 68.2                        | 38.01                     | 32.38                         | 13.37                  | 28.97                      | 100                  | 231                     | P                       | 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 ) |
|------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 149<br>5745MHz |                                                                                             | 11490                | 49.94               | -24.06                  | 74                          | 50.08                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17235                | 53.13               | -15.07                  | 68.2                        | 44.63                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11490                | 49.92               | -24.08                  | 74                          | 50.06                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17235                | 52.36               | -15.84                  | 68.2                        | 43.86                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 157<br>5785MHz |                                                                                             | 11570                | 49.9                | -24.1                   | 74                          | 50.23                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17355                | 53.41               | -14.79                  | 68.2                        | 44.01                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11570                | 49.94               | -24.06                  | 74                          | 50.27                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17355                | 53.53               | -14.67                  | 68.2                        | 44.13                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 165<br>5825MHz |                                                                                             | 11650                | 49.96               | -24.04                  | 74                          | 50.59                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17475                | 53.28               | -14.92                  | 68.2                        | 42.95                     | 41.97                         | 26.89                  | 58.53                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11650                | 49.94               | -24.06                  | 74                          | 50.57                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17475                | 53.2                | -15                     | 68.2                        | 42.87                     | 41.97                         | 26.89                  | 58.53                      | 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 VHT20 (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 ) |
|----------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 149<br>5745MHz |      | 5643.4               | 53.85               | -14.35                  | 68.2                        | 38.17                     | 31.7                          | 13.03                  | 29.05                      | 111                  | 70                      | P                       | H               |
|                                        |      | 5697.8               | 62.22               | -41.36                  | 103.58                      | 46.33                     | 31.8                          | 13.12                  | 29.03                      | 111                  | 70                      | P                       | H               |
|                                        |      | 5719.4               | 75.77               | -34.86                  | 110.63                      | 59.77                     | 31.88                         | 13.15                  | 29.03                      | 111                  | 70                      | P                       | H               |
|                                        |      | 5724.4               | 84.88               | -35.95                  | 120.83                      | 68.85                     | 31.9                          | 13.16                  | 29.03                      | 111                  | 70                      | P                       | H               |
|                                        | *    | 5745                 | 114.77              | -                       | -                           | 98.62                     | 31.98                         | 13.19                  | 29.02                      | 111                  | 70                      | P                       | H               |
|                                        | *    | 5745                 | 107.36              | -                       | -                           | 91.21                     | 31.98                         | 13.19                  | 29.02                      | 111                  | 70                      | A                       | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5629.4               | 54.09               | -14.11                  | 68.2                        | 38.43                     | 31.7                          | 13.01                  | 29.05                      | 102                  | 236                     | P                       | V               |
|                                        |      | 5699.8               | 60.19               | -44.86                  | 105.05                      | 44.3                      | 31.8                          | 13.12                  | 29.03                      | 102                  | 236                     | P                       | V               |
|                                        |      | 5720                 | 71.02               | -39.78                  | 110.8                       | 55.02                     | 31.88                         | 13.15                  | 29.03                      | 102                  | 236                     | P                       | V               |
|                                        |      | 5724                 | 81.38               | -38.54                  | 119.92                      | 65.35                     | 31.9                          | 13.16                  | 29.03                      | 102                  | 236                     | P                       | V               |
|                                        | *    | 5745                 | 111.25              | -                       | -                           | 95.1                      | 31.98                         | 13.19                  | 29.02                      | 102                  | 236                     | P                       | V               |
|                                        | *    | 5745                 | 104.02              | -                       | -                           | 87.87                     | 31.98                         | 13.19                  | 29.02                      | 102                  | 236                     | 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>802.11ac</b><br><b>VHT20</b><br><b>CH 157</b><br><b>5785MHz</b> |      | 5640.6               | 53.79               | -14.41                  | 68.2                        | 38.12                     | 31.7                          | 13.02                  | 29.05                      | 114                  | 68                      | P                       | H               |
|                                                                    |      | 5695.6               | 53.7                | -48.26                  | 101.96                      | 37.83                     | 31.79                         | 13.11                  | 29.03                      | 114                  | 68                      | P                       | H               |
|                                                                    |      | 5714.6               | 56.22               | -53.07                  | 109.29                      | 40.25                     | 31.86                         | 13.14                  | 29.03                      | 114                  | 68                      | P                       | H               |
|                                                                    |      | 5720.6               | 56.74               | -55.43                  | 112.17                      | 40.74                     | 31.88                         | 13.15                  | 29.03                      | 114                  | 68                      | P                       | H               |
|                                                                    | *    | 5785                 | 114.36              | -                       | -                           | 98.04                     | 32.07                         | 13.26                  | 29.01                      | 114                  | 68                      | P                       | H               |
|                                                                    | *    | 5785                 | 107.18              | -                       | -                           | 90.86                     | 32.07                         | 13.26                  | 29.01                      | 114                  | 68                      | A                       | H               |
|                                                                    |      | 5853.2               | 56.16               | -58.74                  | 114.9                       | 39.74                     | 32.11                         | 13.31                  | 29                         | 114                  | 68                      | P                       | H               |
|                                                                    |      | 5862                 | 56.28               | -52.56                  | 108.84                      | 39.83                     | 32.12                         | 13.32                  | 28.99                      | 114                  | 68                      | P                       | H               |
|                                                                    |      | 5891.2               | 54.68               | -38.5                   | 93.18                       | 38.16                     | 32.18                         | 13.33                  | 28.99                      | 114                  | 68                      | P                       | H               |
|                                                                    |      | 5929.4               | 55.66               | -12.54                  | 68.2                        | 38.96                     | 32.32                         | 13.36                  | 28.98                      | 114                  | 68                      | P                       | H               |
|                                                                    |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                    |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                                    |      | 5611                 | 53.17               | -15.03                  | 68.2                        | 37.54                     | 31.7                          | 12.98                  | 29.05                      | 106                  | 237                     | P                       | V               |
|                                                                    |      | 5698                 | 54.29               | -49.44                  | 103.73                      | 38.4                      | 31.8                          | 13.12                  | 29.03                      | 106                  | 237                     | P                       | V               |
|                                                                    |      | 5713.4               | 54.77               | -54.18                  | 108.95                      | 38.81                     | 31.85                         | 13.14                  | 29.03                      | 106                  | 237                     | P                       | V               |
|                                                                    |      | 5725                 | 55.27               | -66.93                  | 122.2                       | 39.24                     | 31.9                          | 13.16                  | 29.03                      | 106                  | 237                     | P                       | V               |
|                                                                    | *    | 5785                 | 111.7               | -                       | -                           | 95.38                     | 32.07                         | 13.26                  | 29.01                      | 106                  | 237                     | P                       | V               |
|                                                                    | *    | 5785                 | 104.46              | -                       | -                           | 88.14                     | 32.07                         | 13.26                  | 29.01                      | 106                  | 237                     | A                       | V               |
|                                                                    |      | 5851.4               | 56.24               | -62.77                  | 119.01                      | 39.83                     | 32.1                          | 13.31                  | 29                         | 106                  | 237                     | P                       | V               |
|                                                                    |      | 5856.2               | 54.82               | -55.64                  | 110.46                      | 38.39                     | 32.11                         | 13.31                  | 28.99                      | 106                  | 237                     | P                       | V               |
|                                                                    |      | 5900.6               | 54.54               | -31.68                  | 86.22                       | 37.98                     | 32.2                          | 13.34                  | 28.98                      | 106                  | 237                     | P                       | V               |
|                                                                    |      | 5931                 | 54.09               | -14.11                  | 68.2                        | 37.39                     | 32.32                         | 13.36                  | 28.98                      | 106                  | 237                     | 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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 165<br>5825MHz | *                                                                                           | 5825                 | 114.5               | -                       | -                           | 98.1                      | 32.1                          | 13.3                   | 29                         | 100                  | 72                      | P                       | H               |
|                                        | *                                                                                           | 5825                 | 107.04              | -                       | -                           | 90.64                     | 32.1                          | 13.3                   | 29                         | 100                  | 72                      | A                       | H               |
|                                        |                                                                                             | 5850                 | 74.96               | -47.24                  | 122.2                       | 58.55                     | 32.1                          | 13.31                  | 29                         | 100                  | 72                      | P                       | H               |
|                                        |                                                                                             | 5857.6               | 70.56               | -39.51                  | 110.07                      | 54.12                     | 32.12                         | 13.31                  | 28.99                      | 100                  | 72                      | P                       | H               |
|                                        |                                                                                             | 5878.8               | 58.97               | -43.41                  | 102.38                      | 42.47                     | 32.16                         | 13.33                  | 28.99                      | 100                  | 72                      | P                       | H               |
|                                        |                                                                                             | 5934.8               | 55.35               | -12.85                  | 68.2                        | 38.63                     | 32.34                         | 13.36                  | 28.98                      | 100                  | 72                      | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        | *                                                                                           | 5825                 | 111.03              | -                       | -                           | 94.63                     | 32.1                          | 13.3                   | 29                         | 100                  | 233                     | P                       | V               |
|                                        | *                                                                                           | 5825                 | 103.73              | -                       | -                           | 87.33                     | 32.1                          | 13.3                   | 29                         | 100                  | 233                     | A                       | V               |
|                                        |                                                                                             | 5850                 | 73.28               | -48.92                  | 122.2                       | 56.87                     | 32.1                          | 13.31                  | 29                         | 100                  | 233                     | P                       | V               |
|                                        |                                                                                             | 5856.8               | 69.1                | -41.2                   | 110.3                       | 52.67                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 233                     | P                       | V               |
|                                        |                                                                                             | 5876.8               | 55.78               | -48.08                  | 103.86                      | 39.29                     | 32.15                         | 13.33                  | 28.99                      | 100                  | 233                     | P                       | V               |
|                                        |                                                                                             | 5949.6               | 55.43               | -12.77                  | 68.2                        | 38.63                     | 32.4                          | 13.37                  | 28.97                      | 100                  | 233                     | 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 VHT20 (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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 149<br>5745MHz |                                                                                             | 11490                | 49.95               | -24.05                  | 74                          | 50.09                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17235                | 53.87               | -14.33                  | 68.2                        | 45.37                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11490                | 49.81               | -24.19                  | 74                          | 49.95                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17235                | 52.04               | -16.16                  | 68.2                        | 43.54                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 157<br>5785MHz |                                                                                             | 11570                | 49.96               | -24.04                  | 74                          | 50.29                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17355                | 53                  | -15.2                   | 68.2                        | 43.6                      | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11570                | 49.88               | -24.12                  | 74                          | 50.21                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17355                | 52.29               | -15.91                  | 68.2                        | 42.89                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 165<br>5825MHz |                                                                                             | 11650                | 49.71               | -24.29                  | 74                          | 50.34                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17475                | 53.39               | -14.81                  | 68.2                        | 43.06                     | 41.97                         | 26.89                  | 58.53                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11650                | 49.69               | -24.31                  | 74                          | 50.32                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17475                | 52.67               | -15.53                  | 68.2                        | 42.34                     | 41.97                         | 26.89                  | 58.53                      | 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>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 |      | 5645.8               | 55.58               | -12.62                  | 68.2                        | 39.9                      | 31.7                          | 13.03                  | 29.05                      | 106                  | 70                      | P                       | H               |
|                                        |      | 5697.4               | 69.34               | -33.94                  | 103.28                      | 53.46                     | 31.79                         | 13.12                  | 29.03                      | 106                  | 70                      | P                       | H               |
|                                        |      | 5718.8               | 82.78               | -27.68                  | 110.46                      | 66.78                     | 31.88                         | 13.15                  | 29.03                      | 106                  | 70                      | P                       | H               |
|                                        |      | 5721.6               | 83.7                | -30.75                  | 114.45                      | 67.69                     | 31.89                         | 13.15                  | 29.03                      | 106                  | 70                      | P                       | H               |
|                                        | *    | 5755                 | 111.82              | -                       | -                           | 95.62                     | 32.01                         | 13.21                  | 29.02                      | 106                  | 70                      | P                       | H               |
|                                        | *    | 5755                 | 104.14              | -                       | -                           | 87.94                     | 32.01                         | 13.21                  | 29.02                      | 106                  | 70                      | A                       | H               |
|                                        |      | 5852.8               | 57.93               | -57.89                  | 115.82                      | 41.51                     | 32.11                         | 13.31                  | 29                         | 106                  | 70                      | P                       | H               |
|                                        |      | 5857                 | 56.42               | -53.82                  | 110.24                      | 39.99                     | 32.11                         | 13.31                  | 28.99                      | 106                  | 70                      | P                       | H               |
|                                        |      | 5880                 | 55.47               | -46.02                  | 101.49                      | 38.97                     | 32.16                         | 13.33                  | 28.99                      | 106                  | 70                      | P                       | H               |
|                                        |      | 5935                 | 55.65               | -12.55                  | 68.2                        | 38.93                     | 32.34                         | 13.36                  | 28.98                      | 106                  | 70                      | P                       | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5642                 | 53.59               | -14.61                  | 68.2                        | 37.91                     | 31.7                          | 13.03                  | 29.05                      | 100                  | 235                     | P                       | V               |
|                                        |      | 5697.6               | 65.49               | -37.94                  | 103.43                      | 49.6                      | 31.8                          | 13.12                  | 29.03                      | 100                  | 235                     | P                       | V               |
|                                        |      | 5719                 | 80.83               | -29.69                  | 110.52                      | 64.83                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 235                     | P                       | V               |
|                                        |      | 5724.2               | 81.04               | -39.34                  | 120.38                      | 65.01                     | 31.9                          | 13.16                  | 29.03                      | 100                  | 235                     | P                       | V               |
|                                        | *    | 5755                 | 109.15              | -                       | -                           | 92.95                     | 32.01                         | 13.21                  | 29.02                      | 100                  | 235                     | P                       | V               |
|                                        | *    | 5755                 | 101.27              | -                       | -                           | 85.07                     | 32.01                         | 13.21                  | 29.02                      | 100                  | 235                     | A                       | V               |
|                                        |      | 5853                 | 54.91               | -60.45                  | 115.36                      | 38.49                     | 32.11                         | 13.31                  | 29                         | 100                  | 235                     | P                       | V               |
|                                        |      | 5864.4               | 55.37               | -52.8                   | 108.17                      | 38.91                     | 32.13                         | 13.32                  | 28.99                      | 100                  | 235                     | P                       | V               |
|                                        |      | 5913.6               | 55.34               | -21.27                  | 76.61                       | 38.72                     | 32.25                         | 13.35                  | 28.98                      | 100                  | 235                     | P                       | V               |
|                                        |      | 5946.6               | 54.57               | -13.63                  | 68.2                        | 37.78                     | 32.39                         | 13.37                  | 28.97                      | 100                  | 235                     | 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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 159<br>5795MHz |                                                                                             | 5623.2               | 52.77               | -15.43                  | 68.2                        | 37.12                     | 31.7                          | 13                     | 29.05                      | 101                  | 72                      | P                       | H               |
|                                        |                                                                                             | 5697.6               | 55.91               | -47.52                  | 103.43                      | 40.02                     | 31.8                          | 13.12                  | 29.03                      | 101                  | 72                      | P                       | H               |
|                                        |                                                                                             | 5718.6               | 61.38               | -49.03                  | 110.41                      | 45.39                     | 31.87                         | 13.15                  | 29.03                      | 101                  | 72                      | P                       | H               |
|                                        |                                                                                             | 5724.8               | 62.31               | -59.43                  | 121.74                      | 46.28                     | 31.9                          | 13.16                  | 29.03                      | 101                  | 72                      | P                       | H               |
|                                        | *                                                                                           | 5795                 | 111.83              | -                       | -                           | 95.48                     | 32.09                         | 13.27                  | 29.01                      | 101                  | 72                      | P                       | H               |
|                                        | *                                                                                           | 5795                 | 104.07              | -                       | -                           | 87.72                     | 32.09                         | 13.27                  | 29.01                      | 101                  | 72                      | A                       | H               |
|                                        |                                                                                             | 5852.6               | 68.35               | -47.92                  | 116.27                      | 51.93                     | 32.11                         | 13.31                  | 29                         | 101                  | 72                      | P                       | H               |
|                                        |                                                                                             | 5857                 | 66.87               | -43.37                  | 110.24                      | 50.44                     | 32.11                         | 13.31                  | 28.99                      | 101                  | 72                      | P                       | H               |
|                                        |                                                                                             | 5877.2               | 60.84               | -42.73                  | 103.57                      | 44.35                     | 32.15                         | 13.33                  | 28.99                      | 101                  | 72                      | P                       | H               |
|                                        |                                                                                             | 5936.6               | 55.88               | -12.32                  | 68.2                        | 39.15                     | 32.35                         | 13.36                  | 28.98                      | 101                  | 72                      | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 5649.8               | 53.61               | -14.59                  | 68.2                        | 37.91                     | 31.7                          | 13.04                  | 29.04                      | 100                  | 235                     | P                       | V               |
|                                        |                                                                                             | 5699                 | 54.88               | -49.58                  | 104.46                      | 38.99                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 235                     | P                       | V               |
|                                        |                                                                                             | 5719                 | 58.06               | -52.46                  | 110.52                      | 42.06                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 235                     | P                       | V               |
|                                        |                                                                                             | 5722.6               | 59.86               | -56.87                  | 116.73                      | 43.84                     | 31.89                         | 13.16                  | 29.03                      | 100                  | 235                     | P                       | V               |
|                                        | *                                                                                           | 5795                 | 108.76              | -                       | -                           | 92.41                     | 32.09                         | 13.27                  | 29.01                      | 100                  | 235                     | P                       | V               |
|                                        | *                                                                                           | 5795                 | 101.12              | -                       | -                           | 84.77                     | 32.09                         | 13.27                  | 29.01                      | 100                  | 235                     | A                       | V               |
|                                        |                                                                                             | 5852.6               | 65.25               | -51.02                  | 116.27                      | 48.83                     | 32.11                         | 13.31                  | 29                         | 100                  | 235                     | P                       | V               |
|                                        |                                                                                             | 5855.2               | 62.29               | -48.45                  | 110.74                      | 45.86                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 235                     | P                       | V               |
|                                        |                                                                                             | 5875.8               | 58.24               | -46.37                  | 104.61                      | 41.75                     | 32.15                         | 13.33                  | 28.99                      | 100                  | 235                     | P                       | V               |
|                                        |                                                                                             | 5946.2               | 54.65               | -13.55                  | 68.2                        | 37.87                     | 32.38                         | 13.37                  | 28.97                      | 100                  | 235                     | 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 (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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT40<br>CH 151<br>5755MHz |                                                                                             | 11510                | 49.77               | -24.23                  | 74                          | 49.91                     | 40.07                         | 20.7                   | 60.91                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17265                | 51.83               | -16.37                  | 68.2                        | 43.12                     | 40.96                         | 26.53                  | 58.78                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11510                | 49.81               | -24.19                  | 74                          | 49.95                     | 40.07                         | 20.7                   | 60.91                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17265                | 51.71               | -16.49                  | 68.2                        | 43                        | 40.96                         | 26.53                  | 58.78                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT40<br>CH 159<br>5795MHz |                                                                                             | 11590                | 49.83               | -24.17                  | 74                          | 50.23                     | 39.83                         | 20.78                  | 61.01                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17385                | 52.68               | -15.52                  | 68.2                        | 43.06                     | 41.52                         | 26.74                  | 58.64                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11590                | 49.88               | -24.12                  | 74                          | 50.28                     | 39.83                         | 20.78                  | 61.01                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17385                | 51.98               | -16.22                  | 68.2                        | 42.36                     | 41.52                         | 26.74                  | 58.64                      | 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 ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                                                             | 5644.4               | 64.51               | -3.69                   | 68.2                        | 48.57                     | 31.96                         | 13.03                  | 29.05                      | 100                  | 73                      | P                       | H               |
|                                        |                                                                                             | 5699.4               | 76.83               | -27.93                  | 104.76                      | 60.68                     | 32.06                         | 13.12                  | 29.03                      | 100                  | 73                      | P                       | H               |
|                                        |                                                                                             | 5716.8               | 80.52               | -29.39                  | 109.91                      | 64.31                     | 32.09                         | 13.15                  | 29.03                      | 100                  | 73                      | P                       | H               |
|                                        |                                                                                             | 5720.4               | 81.2                | -30.51                  | 111.71                      | 64.98                     | 32.1                          | 13.15                  | 29.03                      | 100                  | 73                      | P                       | H               |
|                                        | *                                                                                           | 5775                 | 108.18              | -                       | -                           | 91.76                     | 32.19                         | 13.24                  | 29.01                      | 100                  | 73                      | P                       | H               |
|                                        | *                                                                                           | 5775                 | 100.63              | -                       | -                           | 84.21                     | 32.19                         | 13.24                  | 29.01                      | 100                  | 73                      | A                       | H               |
|                                        |                                                                                             | 5852.8               | 78.94               | -36.88                  | 115.82                      | 62.29                     | 32.34                         | 13.31                  | 29                         | 100                  | 73                      | P                       | H               |
|                                        |                                                                                             | 5858.4               | 77.1                | -32.75                  | 109.85                      | 60.42                     | 32.35                         | 13.32                  | 28.99                      | 100                  | 73                      | P                       | H               |
|                                        |                                                                                             | 5875.4               | 70.04               | -34.86                  | 104.9                       | 53.32                     | 32.38                         | 13.33                  | 28.99                      | 100                  | 73                      | P                       | H               |
|                                        |                                                                                             | 5930.2               | 58.49               | -9.71                   | 68.2                        | 41.64                     | 32.47                         | 13.36                  | 28.98                      | 100                  | 73                      | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 5644.2               | 61.61               | -6.59                   | 68.2                        | 45.67                     | 31.96                         | 13.03                  | 29.05                      | 100                  | 236                     | P                       | V               |
|                                        |                                                                                             | 5697.4               | 74.51               | -28.77                  | 103.28                      | 58.36                     | 32.06                         | 13.12                  | 29.03                      | 100                  | 236                     | P                       | V               |
|                                        |                                                                                             | 5717.2               | 77.82               | -32.2                   | 110.02                      | 61.61                     | 32.09                         | 13.15                  | 29.03                      | 100                  | 236                     | P                       | V               |
|                                        |                                                                                             | 5720.4               | 77.87               | -33.84                  | 111.71                      | 61.65                     | 32.1                          | 13.15                  | 29.03                      | 100                  | 236                     | P                       | V               |
|                                        | *                                                                                           | 5775                 | 105.42              | -                       | -                           | 89                        | 32.19                         | 13.24                  | 29.01                      | 100                  | 236                     | P                       | V               |
|                                        | *                                                                                           | 5775                 | 98.04               | -                       | -                           | 81.62                     | 32.19                         | 13.24                  | 29.01                      | 100                  | 236                     | A                       | V               |
|                                        |                                                                                             | 5853.8               | 74.36               | -39.18                  | 113.54                      | 57.71                     | 32.34                         | 13.31                  | 29                         | 100                  | 236                     | P                       | V               |
|                                        |                                                                                             | 5855                 | 73.71               | -37.09                  | 110.8                       | 57.05                     | 32.34                         | 13.31                  | 28.99                      | 100                  | 236                     | P                       | V               |
|                                        |                                                                                             | 5875.8               | 67.43               | -37.18                  | 104.61                      | 50.71                     | 32.38                         | 13.33                  | 28.99                      | 100                  | 236                     | P                       | V               |
|                                        |                                                                                             | 5927.8               | 56.06               | -12.14                  | 68.2                        | 39.21                     | 32.47                         | 13.36                  | 28.98                      | 100                  | 236                     | 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>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                | 49.85               | -24.15                  | 74                          | 50.12                     | 39.95                         | 20.74                  | 60.96                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             | 17325                | 51.98               | -16.22                  | 68.2                        | 42.83                     | 41.22                         | 26.64                  | 58.71                      | 100                  | 0                       | P                       | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             | 11550                | 49.9                | -24.1                   | 74                          | 50.17                     | 39.95                         | 20.74                  | 60.96                      | 100                  | 0                       | P                       | V               |
|                                                  |                                                                                             | 17325                | 52.28               | -15.92                  | 68.2                        | 43.13                     | 41.22                         | 26.64                  | 58.71                      | 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. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |





| WIFI<br>Ant.<br>2                       | 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 |                                                                            | 144.46                   | 33.07                   | -10.43                  | 43.5                        | 46.03                   | 17.21                         | 2.11                   | 32.28                      | 100                  | 0                       | P                     | H             |
|                                         |                                                                            | 265.71                   | 23.95                   | -22.05                  | 46                          | 33.54                   | 19.9                          | 2.86                   | 32.35                      | -                    | -                       | P                     | H             |
|                                         |                                                                            | 418                      | 23.84                   | -22.16                  | 46                          | 29.95                   | 22.57                         | 3.5                    | 32.18                      | -                    | -                       | P                     | H             |
|                                         |                                                                            | 507.24                   | 25.92                   | -20.08                  | 46                          | 30.18                   | 24.03                         | 3.79                   | 32.08                      | -                    | -                       | P                     | H             |
|                                         |                                                                            | 671.17                   | 29.11                   | -16.89                  | 46                          | 30.48                   | 26.27                         | 4.44                   | 32.08                      | -                    | -                       | P                     | H             |
|                                         |                                                                            | 786.6                    | 33.54                   | -12.46                  | 46                          | 32.98                   | 28.07                         | 4.83                   | 32.34                      | -                    | -                       | P                     | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            |                          |                         |                         |                             |                         |                               |                        |                            |                      |                         |                       | H             |
|                                         |                                                                            | 53.28                    | 33.28                   | -6.72                   | 40                          | 51.64                   | 12.82                         | 1.24                   | 32.42                      | 100                  | 0                       | P                     | V             |
|                                         |                                                                            | 190.05                   | 21.74                   | -21.76                  | 43.5                        | 36.96                   | 14.69                         | 2.4                    | 32.31                      | -                    | -                       | P                     | V             |
|                                         |                                                                            | 368.53                   | 21.55                   | -24.45                  | 46                          | 29.7                    | 20.83                         | 3.27                   | 32.25                      | -                    | -                       | P                     | V             |
|                                         |                                                                            | 486.87                   | 25.76                   | -20.24                  | 46                          | 30.4                    | 23.74                         | 3.72                   | 32.1                       | -                    | -                       | P                     | V             |
|                                         |                                                                            | 662.44                   | 29.57                   | -16.43                  | 46                          | 30.98                   | 26.25                         | 4.4                    | 32.06                      | -                    | -                       | P                     | V             |
|                                         |                                                                            | 797.27                   | 35.3                    | -10.7                   | 46                          | 34.82                   | 27.98                         | 4.86                   | 32.36                      | -                    | -                       | 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>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 ) |
|------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 149<br>5745MHz |      | 5649                 | 54.1                | -14.1                   | 68.2                        | 38.4                      | 31.7                          | 13.04                  | 29.04                      | 100                  | 336                     | P                       | H               |
|                              |      | 5697.2               | 56.86               | -46.28                  | 103.14                      | 40.98                     | 31.79                         | 13.12                  | 29.03                      | 100                  | 336                     | P                       | H               |
|                              |      | 5718                 | 70.26               | -39.98                  | 110.24                      | 54.27                     | 31.87                         | 13.15                  | 29.03                      | 100                  | 336                     | P                       | H               |
|                              |      | 5723.8               | 80.64               | -38.82                  | 119.46                      | 64.61                     | 31.9                          | 13.16                  | 29.03                      | 100                  | 336                     | P                       | H               |
|                              | *    | 5745                 | 117.07              | -                       | -                           | 100.92                    | 31.98                         | 13.19                  | 29.02                      | 100                  | 336                     | P                       | H               |
|                              | *    | 5745                 | 109.21              | -                       | -                           | 93.06                     | 31.98                         | 13.19                  | 29.02                      | 100                  | 336                     | A                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 5639                 | 54.18               | -14.02                  | 68.2                        | 38.51                     | 31.7                          | 13.02                  | 29.05                      | 100                  | 96                      | P                       | V               |
|                              |      | 5699.2               | 58.32               | -46.29                  | 104.61                      | 42.43                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 96                      | P                       | V               |
|                              |      | 5720                 | 71.15               | -39.65                  | 110.8                       | 55.15                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 96                      | P                       | V               |
|                              |      | 5725                 | 82.46               | -39.74                  | 122.2                       | 66.43                     | 31.9                          | 13.16                  | 29.03                      | 100                  | 96                      | P                       | V               |
|                              | *    | 5745                 | 118.08              | -                       | -                           | 101.93                    | 31.98                         | 13.19                  | 29.02                      | 100                  | 96                      | P                       | V               |
|                              | *    | 5745                 | 110.85              | -                       | -                           | 94.7                      | 31.98                         | 13.19                  | 29.02                      | 100                  | 96                      | 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> |      | 5629                 | 53.97               | -14.23                  | 68.2                        | 38.31                     | 31.7                          | 13.01                  | 29.05                      | 100                  | 337                     | P                       | H               |
|                                       |      | 5695.4               | 55.77               | -46.04                  | 101.81                      | 39.9                      | 31.79                         | 13.11                  | 29.03                      | 100                  | 337                     | P                       | H               |
|                                       |      | 5719.2               | 57.74               | -52.84                  | 110.58                      | 41.74                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 337                     | P                       | H               |
|                                       |      | 5724.8               | 58.91               | -62.83                  | 121.74                      | 42.88                     | 31.9                          | 13.16                  | 29.03                      | 100                  | 337                     | P                       | H               |
|                                       | *    | 5785                 | 118.25              | -                       | -                           | 101.93                    | 32.07                         | 13.26                  | 29.01                      | 100                  | 337                     | P                       | H               |
|                                       | *    | 5785                 | 110.34              | -                       | -                           | 94.02                     | 32.07                         | 13.26                  | 29.01                      | 100                  | 337                     | A                       | H               |
|                                       |      | 5850.6               | 58.45               | -62.38                  | 120.83                      | 42.04                     | 32.1                          | 13.31                  | 29                         | 100                  | 337                     | P                       | H               |
|                                       |      | 5856.2               | 56.98               | -53.48                  | 110.46                      | 40.55                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 337                     | P                       | H               |
|                                       |      | 5877.8               | 55.85               | -47.27                  | 103.12                      | 39.35                     | 32.16                         | 13.33                  | 28.99                      | 100                  | 337                     | P                       | H               |
|                                       |      | 5931.4               | 54.62               | -13.58                  | 68.2                        | 37.91                     | 32.33                         | 13.36                  | 28.98                      | 100                  | 337                     | P                       | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |      | 5649.8               | 54.72               | -13.48                  | 68.2                        | 39.02                     | 31.7                          | 13.04                  | 29.04                      | 100                  | 91                      | P                       | V               |
|                                       |      | 5697.2               | 56.69               | -46.45                  | 103.14                      | 40.81                     | 31.79                         | 13.12                  | 29.03                      | 100                  | 91                      | P                       | V               |
|                                       |      | 5718.4               | 60.49               | -49.86                  | 110.35                      | 44.5                      | 31.87                         | 13.15                  | 29.03                      | 100                  | 91                      | P                       | V               |
|                                       |      | 5724.2               | 61.65               | -58.73                  | 120.38                      | 45.62                     | 31.9                          | 13.16                  | 29.03                      | 100                  | 91                      | P                       | V               |
|                                       | *    | 5785                 | 118.96              | -                       | -                           | 102.64                    | 32.07                         | 13.26                  | 29.01                      | 100                  | 91                      | P                       | V               |
|                                       | *    | 5785                 | 111.78              | -                       | -                           | 95.46                     | 32.07                         | 13.26                  | 29.01                      | 100                  | 91                      | A                       | V               |
|                                       |      | 5853.2               | 57.96               | -56.94                  | 114.9                       | 41.54                     | 32.11                         | 13.31                  | 29                         | 100                  | 91                      | P                       | V               |
|                                       |      | 5855                 | 57.73               | -53.07                  | 110.8                       | 41.3                      | 32.11                         | 13.31                  | 28.99                      | 100                  | 91                      | P                       | V               |
|                                       |      | 5885.2               | 56.02               | -41.61                  | 97.63                       | 39.51                     | 32.17                         | 13.33                  | 28.99                      | 100                  | 91                      | P                       | V               |
|                                       |      | 5928.8               | 55.39               | -12.81                  | 68.2                        | 38.69                     | 32.32                         | 13.36                  | 28.98                      | 100                  | 91                      | 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 ) |
|---------------------------------------|--------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11a<br/>CH 165<br/>5825MHz</b> | *                                                            | 5825                 | 118.2               | -                       | -                           | 101.8                     | 32.1                          | 13.3                   | 29                         | 108                  | 336                     | P                       | H               |
|                                       | *                                                            | 5825                 | 110.93              | -                       | -                           | 94.53                     | 32.1                          | 13.3                   | 29                         | 108                  | 336                     | A                       | H               |
|                                       |                                                              | 5850.8               | 82.4                | -37.98                  | 120.38                      | 65.99                     | 32.1                          | 13.31                  | 29                         | 108                  | 336                     | P                       | H               |
|                                       |                                                              | 5856                 | 74.04               | -36.48                  | 110.52                      | 57.61                     | 32.11                         | 13.31                  | 28.99                      | 108                  | 336                     | P                       | H               |
|                                       |                                                              | 5875.2               | 64.68               | -40.37                  | 105.05                      | 48.19                     | 32.15                         | 13.33                  | 28.99                      | 108                  | 336                     | P                       | H               |
|                                       |                                                              | 5948.2               | 55.65               | -12.55                  | 68.2                        | 38.86                     | 32.39                         | 13.37                  | 28.97                      | 108                  | 336                     | P                       | H               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                       | *                                                            | 5825                 | 119.71              | -                       | -                           | 103.31                    | 32.1                          | 13.3                   | 29                         | 108                  | 96                      | P                       | V               |
|                                       | *                                                            | 5825                 | 111.49              | -                       | -                           | 95.09                     | 32.1                          | 13.3                   | 29                         | 108                  | 96                      | A                       | V               |
|                                       |                                                              | 5850                 | 79.83               | -42.37                  | 122.2                       | 63.42                     | 32.1                          | 13.31                  | 29                         | 108                  | 96                      | P                       | V               |
|                                       |                                                              | 5855                 | 74.1                | -36.7                   | 110.8                       | 57.67                     | 32.11                         | 13.31                  | 28.99                      | 108                  | 96                      | P                       | V               |
|                                       |                                                              | 5877.6               | 64.78               | -38.49                  | 103.27                      | 48.28                     | 32.16                         | 13.33                  | 28.99                      | 108                  | 96                      | P                       | V               |
|                                       |                                                              | 5926                 | 54.92               | -13.28                  | 68.2                        | 38.24                     | 32.3                          | 13.36                  | 28.98                      | 108                  | 96                      | P                       | V               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                       |                                                              |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| <b>Remark</b>                         | 1. No other spurious found.                                  |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |
|                                       | 2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Band 4 5725~5850MHz

## WIFI 802.11a (Harmonic @ 3m)

| WIFI<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 ) |
|------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11a<br>CH 149<br>5745MHz |                                                                                             | 11490                | 49.93               | -24.07                  | 74                          | 50.07                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17235                | 52.53               | -15.67                  | 68.2                        | 44.03                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11490                | 49.91               | -24.09                  | 74                          | 50.05                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17235                | 52                  | -16.2                   | 68.2                        | 43.5                      | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 157<br>5785MHz |                                                                                             | 11570                | 49.91               | -24.09                  | 74                          | 50.24                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17355                | 52.62               | -15.58                  | 68.2                        | 43.22                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11570                | 49.95               | -24.05                  | 74                          | 50.28                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17355                | 53.05               | -15.15                  | 68.2                        | 43.65                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11a<br>CH 165<br>5825MHz |                                                                                             | 11650                | 49.96               | -24.04                  | 74                          | 50.59                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             | 17475                | 53.43               | -14.77                  | 68.2                        | 43.1                      | 41.97                         | 26.89                  | 58.53                      | 100                  | 0                       | P                       | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |                                                                                             | 11650                | 49.97               | -24.03                  | 74                          | 50.6                      | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | V               |
|                              |                                                                                             | 17475                | 53.24               | -14.96                  | 68.2                        | 42.91                     | 41.97                         | 26.89                  | 58.53                      | 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 VHT20 (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>802.11ac<br/>VHT20<br/>CH 149<br/>5745MHz</b> |      | 5624.2               | 53.96               | -14.24                  | 68.2                        | 38.31                     | 31.7                          | 13                     | 29.05                      | 100                  | 333                     | P                       | H               |
|                                                  |      | 5699.2               | 66.55               | -38.06                  | 104.61                      | 50.66                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 333                     | P                       | H               |
|                                                  |      | 5719.4               | 82.07               | -28.56                  | 110.63                      | 66.07                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 333                     | P                       | H               |
|                                                  |      | 5723                 | 90.36               | -27.28                  | 117.64                      | 74.34                     | 31.89                         | 13.16                  | 29.03                      | 100                  | 333                     | P                       | H               |
|                                                  | *    | 5745                 | 116.23              | -                       | -                           | 100.08                    | 31.98                         | 13.19                  | 29.02                      | 100                  | 333                     | P                       | H               |
|                                                  | *    | 5745                 | 108.47              | -                       | -                           | 92.32                     | 31.98                         | 13.19                  | 29.02                      | 100                  | 333                     | A                       | H               |
|                                                  |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |      | 5644                 | 54.38               | -13.82                  | 68.2                        | 38.7                      | 31.7                          | 13.03                  | 29.05                      | 110                  | 91                      | P                       | V               |
|                                                  |      | 5698.2               | 67.65               | -36.22                  | 103.87                      | 51.76                     | 31.8                          | 13.12                  | 29.03                      | 110                  | 91                      | P                       | V               |
|                                                  |      | 5720                 | 80.81               | -29.99                  | 110.8                       | 64.81                     | 31.88                         | 13.15                  | 29.03                      | 110                  | 91                      | P                       | V               |
|                                                  |      | 5724.8               | 92.29               | -29.45                  | 121.74                      | 76.26                     | 31.9                          | 13.16                  | 29.03                      | 110                  | 91                      | P                       | V               |
|                                                  | *    | 5745                 | 117.86              | -                       | -                           | 101.71                    | 31.98                         | 13.19                  | 29.02                      | 110                  | 91                      | P                       | V               |
|                                                  | *    | 5745                 | 110.93              | -                       | -                           | 94.78                     | 31.98                         | 13.19                  | 29.02                      | 110                  | 91                      | 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 ) |
|----------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 157<br>5785MHz |      | 5640.2               | 53.58               | -14.62                  | 68.2                        | 37.91                     | 31.7                          | 13.02                  | 29.05                      | 103                  | 334                     | P                       | H               |
|                                        |      | 5683.4               | 54.75               | -38.2                   | 92.95                       | 38.93                     | 31.77                         | 13.09                  | 29.04                      | 103                  | 334                     | P                       | H               |
|                                        |      | 5717.4               | 57.29               | -52.78                  | 110.07                      | 41.3                      | 31.87                         | 13.15                  | 29.03                      | 103                  | 334                     | P                       | H               |
|                                        |      | 5724.4               | 64.19               | -56.64                  | 120.83                      | 48.16                     | 31.9                          | 13.16                  | 29.03                      | 103                  | 334                     | P                       | H               |
|                                        | *    | 5785                 | 116.15              | -                       | -                           | 99.83                     | 32.07                         | 13.26                  | 29.01                      | 103                  | 334                     | P                       | H               |
|                                        | *    | 5785                 | 108.17              | -                       | -                           | 91.85                     | 32.07                         | 13.26                  | 29.01                      | 103                  | 334                     | A                       | H               |
|                                        |      | 5851.4               | 57.44               | -61.57                  | 119.01                      | 41.03                     | 32.1                          | 13.31                  | 29                         | 103                  | 334                     | P                       | H               |
|                                        |      | 5857.4               | 56.09               | -54.04                  | 110.13                      | 39.66                     | 32.11                         | 13.31                  | 28.99                      | 103                  | 334                     | P                       | H               |
|                                        |      | 5877.2               | 54.88               | -48.69                  | 103.57                      | 38.39                     | 32.15                         | 13.33                  | 28.99                      | 103                  | 334                     | P                       | H               |
|                                        |      | 5933.8               | 54.27               | -13.93                  | 68.2                        | 37.55                     | 32.34                         | 13.36                  | 28.98                      | 103                  | 334                     | P                       | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5639.8               | 53.53               | -14.67                  | 68.2                        | 37.86                     | 31.7                          | 13.02                  | 29.05                      | 101                  | 91                      | P                       | V               |
|                                        |      | 5697.8               | 56.77               | -46.81                  | 103.58                      | 40.88                     | 31.8                          | 13.12                  | 29.03                      | 101                  | 91                      | P                       | V               |
|                                        |      | 5719                 | 59.32               | -51.2                   | 110.52                      | 43.32                     | 31.88                         | 13.15                  | 29.03                      | 101                  | 91                      | P                       | V               |
|                                        |      | 5724.6               | 61.57               | -59.72                  | 121.29                      | 45.54                     | 31.9                          | 13.16                  | 29.03                      | 101                  | 91                      | P                       | V               |
|                                        | *    | 5785                 | 117.99              | -                       | -                           | 101.67                    | 32.07                         | 13.26                  | 29.01                      | 101                  | 91                      | P                       | V               |
|                                        | *    | 5785                 | 110.58              | -                       | -                           | 94.26                     | 32.07                         | 13.26                  | 29.01                      | 101                  | 91                      | A                       | V               |
|                                        |      | 5852.2               | 56.88               | -60.3                   | 117.18                      | 40.47                     | 32.1                          | 13.31                  | 29                         | 101                  | 91                      | P                       | V               |
|                                        |      | 5859.8               | 58.06               | -51.39                  | 109.45                      | 41.61                     | 32.12                         | 13.32                  | 28.99                      | 101                  | 91                      | P                       | V               |
|                                        |      | 5899.4               | 55.48               | -31.62                  | 87.1                        | 38.92                     | 32.2                          | 13.34                  | 28.98                      | 101                  | 91                      | P                       | V               |
|                                        |      | 5942.2               | 55.25               | -12.95                  | 68.2                        | 38.48                     | 32.37                         | 13.37                  | 28.97                      | 101                  | 91                      | 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 ) |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11ac<br/>VHT20<br/>CH 165<br/>5825MHz</b> | *                                                                                           | 5825                 | 116.71              | -                       | -                           | 100.31                    | 32.1                          | 13.3                   | 29                         | 100                  | 340                     | P                       | H               |
|                                                  | *                                                                                           | 5825                 | 109.55              | -                       | -                           | 93.15                     | 32.1                          | 13.3                   | 29                         | 100                  | 340                     | A                       | H               |
|                                                  |                                                                                             | 5850.2               | 89.04               | -32.7                   | 121.74                      | 72.63                     | 32.1                          | 13.31                  | 29                         | 100                  | 340                     | P                       | H               |
|                                                  |                                                                                             | 5855                 | 74.67               | -36.13                  | 110.8                       | 58.24                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 340                     | P                       | H               |
|                                                  |                                                                                             | 5875                 | 64.5                | -40.7                   | 105.2                       | 48.02                     | 32.15                         | 13.32                  | 28.99                      | 100                  | 340                     | P                       | H               |
|                                                  |                                                                                             | 5932.4               | 55.91               | -12.29                  | 68.2                        | 39.2                      | 32.33                         | 13.36                  | 28.98                      | 100                  | 340                     | P                       | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  | *                                                                                           | 5825                 | 118.25              | -                       | -                           | 101.85                    | 32.1                          | 13.3                   | 29                         | 105                  | 91                      | P                       | V               |
|                                                  | *                                                                                           | 5825                 | 110.27              | -                       | -                           | 93.87                     | 32.1                          | 13.3                   | 29                         | 105                  | 91                      | A                       | V               |
|                                                  |                                                                                             | 5850                 | 89.31               | -32.89                  | 122.2                       | 72.9                      | 32.1                          | 13.31                  | 29                         | 105                  | 91                      | P                       | V               |
|                                                  |                                                                                             | 5855.4               | 77.78               | -32.91                  | 110.69                      | 61.35                     | 32.11                         | 13.31                  | 28.99                      | 105                  | 91                      | P                       | V               |
|                                                  |                                                                                             | 5875.2               | 67.22               | -37.83                  | 105.05                      | 50.73                     | 32.15                         | 13.33                  | 28.99                      | 105                  | 91                      | P                       | V               |
|                                                  |                                                                                             | 5933.6               | 55.63               | -12.57                  | 68.2                        | 38.92                     | 32.33                         | 13.36                  | 28.98                      | 105                  | 91                      | 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 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                | 49.89               | -24.11                  | 74                          | 50.03                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17235                | 51.7                | -16.5                   | 68.2                        | 43.2                      | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11490                | 49.92               | -24.08                  | 74                          | 50.06                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17235                | 52.22               | -15.98                  | 68.2                        | 43.72                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 157<br>5785MHz |                                                                                             | 11570                | 49.88               | -24.12                  | 74                          | 50.21                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17355                | 52.43               | -15.77                  | 68.2                        | 43.03                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11570                | 49.92               | -24.08                  | 74                          | 50.25                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17355                | 51.89               | -16.31                  | 68.2                        | 42.49                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 165<br>5825MHz |                                                                                             | 11650                | 49.72               | -24.28                  | 74                          | 50.35                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17475                | 53.7                | -14.5                   | 68.2                        | 43.37                     | 41.97                         | 26.89                  | 58.53                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11650                | 49.83               | -24.17                  | 74                          | 50.46                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17475                | 52.34               | -15.86                  | 68.2                        | 42.01                     | 41.97                         | 26.89                  | 58.53                      | 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 |      | 5643                 | 60.72               | -7.48                   | 68.2                        | 45.04                     | 31.7                          | 13.03                  | 29.05                      | 100                  | 334                     | P                       | H               |
|                                        |      | 5696.6               | 75.07               | -27.62                  | 102.69                      | 59.2                      | 31.79                         | 13.11                  | 29.03                      | 100                  | 334                     | P                       | H               |
|                                        |      | 5718.6               | 89.83               | -20.58                  | 110.41                      | 73.84                     | 31.87                         | 13.15                  | 29.03                      | 100                  | 334                     | P                       | H               |
|                                        |      | 5723.2               | 92.2                | -25.9                   | 118.1                       | 76.18                     | 31.89                         | 13.16                  | 29.03                      | 100                  | 334                     | P                       | H               |
|                                        | *    | 5755                 | 113.54              | -                       | -                           | 97.34                     | 32.01                         | 13.21                  | 29.02                      | 100                  | 334                     | P                       | H               |
|                                        | *    | 5755                 | 106.46              | -                       | -                           | 90.26                     | 32.01                         | 13.21                  | 29.02                      | 100                  | 334                     | A                       | H               |
|                                        |      | 5854.8               | 64.25               | -47.01                  | 111.26                      | 47.82                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 334                     | P                       | H               |
|                                        |      | 5855                 | 64.23               | -46.57                  | 110.8                       | 47.8                      | 32.11                         | 13.31                  | 28.99                      | 100                  | 334                     | P                       | H               |
|                                        |      | 5875                 | 59.49               | -45.71                  | 105.2                       | 43.01                     | 32.15                         | 13.32                  | 28.99                      | 100                  | 334                     | P                       | H               |
|                                        |      | 5927.2               | 56                  | -12.2                   | 68.2                        | 39.31                     | 32.31                         | 13.36                  | 28.98                      | 100                  | 334                     | P                       | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5647.6               | 64.02               | -4.18                   | 68.2                        | 48.32                     | 31.7                          | 13.04                  | 29.04                      | 107                  | 93                      | P                       | V               |
|                                        |      | 5698.8               | 78.05               | -26.27                  | 104.32                      | 62.16                     | 31.8                          | 13.12                  | 29.03                      | 107                  | 93                      | P                       | V               |
|                                        |      | 5718.4               | 92.33               | -18.02                  | 110.35                      | 76.34                     | 31.87                         | 13.15                  | 29.03                      | 107                  | 93                      | P                       | V               |
|                                        |      | 5721.4               | 94.24               | -19.75                  | 113.99                      | 78.23                     | 31.89                         | 13.15                  | 29.03                      | 107                  | 93                      | P                       | V               |
|                                        | *    | 5755                 | 116.18              | -                       | -                           | 99.98                     | 32.01                         | 13.21                  | 29.02                      | 107                  | 93                      | P                       | V               |
|                                        | *    | 5755                 | 108.6               | -                       | -                           | 92.4                      | 32.01                         | 13.21                  | 29.02                      | 107                  | 93                      | A                       | V               |
|                                        |      | 5853.8               | 64.51               | -49.03                  | 113.54                      | 48.09                     | 32.11                         | 13.31                  | 29                         | 107                  | 93                      | P                       | V               |
|                                        |      | 5856                 | 62.3                | -48.22                  | 110.52                      | 45.87                     | 32.11                         | 13.31                  | 28.99                      | 107                  | 93                      | P                       | V               |
|                                        |      | 5883.2               | 57.47               | -41.64                  | 99.11                       | 40.96                     | 32.17                         | 13.33                  | 28.99                      | 107                  | 93                      | P                       | V               |
|                                        |      | 5947.6               | 54.8                | -13.4                   | 68.2                        | 38.01                     | 32.39                         | 13.37                  | 28.97                      | 107                  | 93                      | 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 |                                                                                             | 5625.2               | 54.89               | -13.31                  | 68.2                        | 39.24                     | 31.7                          | 13                     | 29.05                      | 101                  | 335                     | P                       | H               |
|                                        |                                                                                             | 5695.8               | 61.49               | -40.61                  | 102.1                       | 45.62                     | 31.79                         | 13.11                  | 29.03                      | 101                  | 335                     | P                       | H               |
|                                        |                                                                                             | 5710.2               | 66.41               | -41.65                  | 108.06                      | 50.46                     | 31.84                         | 13.14                  | 29.03                      | 101                  | 335                     | P                       | H               |
|                                        |                                                                                             | 5723.2               | 66.82               | -51.28                  | 118.1                       | 50.8                      | 31.89                         | 13.16                  | 29.03                      | 101                  | 335                     | P                       | H               |
|                                        | *                                                                                           | 5795                 | 113.68              | -                       | -                           | 97.33                     | 32.09                         | 13.27                  | 29.01                      | 101                  | 335                     | P                       | H               |
|                                        | *                                                                                           | 5795                 | 106.61              | -                       | -                           | 90.26                     | 32.09                         | 13.27                  | 29.01                      | 101                  | 335                     | A                       | H               |
|                                        |                                                                                             | 5850.2               | 73.63               | -48.11                  | 121.74                      | 57.22                     | 32.1                          | 13.31                  | 29                         | 101                  | 335                     | P                       | H               |
|                                        |                                                                                             | 5857.2               | 71.22               | -38.96                  | 110.18                      | 54.79                     | 32.11                         | 13.31                  | 28.99                      | 101                  | 335                     | P                       | H               |
|                                        |                                                                                             | 5875                 | 64.73               | -40.47                  | 105.2                       | 48.25                     | 32.15                         | 13.32                  | 28.99                      | 101                  | 335                     | P                       | H               |
|                                        |                                                                                             | 5933.6               | 55.22               | -12.98                  | 68.2                        | 38.51                     | 32.33                         | 13.36                  | 28.98                      | 101                  | 335                     | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 5649.4               | 55.43               | -12.77                  | 68.2                        | 39.73                     | 31.7                          | 13.04                  | 29.04                      | 113                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5700                 | 63.37               | -41.83                  | 105.2                       | 47.48                     | 31.8                          | 13.12                  | 29.03                      | 113                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5719.8               | 67.82               | -42.92                  | 110.74                      | 51.82                     | 31.88                         | 13.15                  | 29.03                      | 113                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5724                 | 69.81               | -50.11                  | 119.92                      | 53.78                     | 31.9                          | 13.16                  | 29.03                      | 113                  | 92                      | P                       | V               |
|                                        | *                                                                                           | 5795                 | 116.02              | -                       | -                           | 99.67                     | 32.09                         | 13.27                  | 29.01                      | 113                  | 92                      | P                       | V               |
|                                        | *                                                                                           | 5795                 | 108.43              | -                       | -                           | 92.08                     | 32.09                         | 13.27                  | 29.01                      | 113                  | 92                      | A                       | V               |
|                                        |                                                                                             | 5851.8               | 73.31               | -44.79                  | 118.1                       | 56.9                      | 32.1                          | 13.31                  | 29                         | 113                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5856.4               | 72.51               | -37.9                   | 110.41                      | 56.08                     | 32.11                         | 13.31                  | 28.99                      | 113                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5876.2               | 64.97               | -39.34                  | 104.31                      | 48.48                     | 32.15                         | 13.33                  | 28.99                      | 113                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5925.8               | 56.52               | -11.68                  | 68.2                        | 39.84                     | 32.3                          | 13.36                  | 28.98                      | 113                  | 92                      | 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 (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                | 49.87               | -24.13                  | 74                          | 50.01                     | 40.07                         | 20.7                   | 60.91                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17265                | 51.47               | -16.73                  | 68.2                        | 42.76                     | 40.96                         | 26.53                  | 58.78                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11510                | 49.79               | -24.21                  | 74                          | 49.93                     | 40.07                         | 20.7                   | 60.91                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17265                | 51.2                | -17                     | 68.2                        | 42.49                     | 40.96                         | 26.53                  | 58.78                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT40<br>CH 159<br>5795MHz |                                                                                             | 11590                | 49.78               | -24.22                  | 74                          | 50.18                     | 39.83                         | 20.78                  | 61.01                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17385                | 53.21               | -14.99                  | 68.2                        | 43.59                     | 41.52                         | 26.74                  | 58.64                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11590                | 49.87               | -24.13                  | 74                          | 50.27                     | 39.83                         | 20.78                  | 61.01                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17385                | 52.45               | -15.75                  | 68.2                        | 42.83                     | 41.52                         | 26.74                  | 58.64                      | 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 |                                                                                             | 5637.6               | 61.98               | -6.22                   | 68.2                        | 46.31                     | 31.7                          | 13.02                  | 29.05                      | 100                  | 334                     | P                       | H               |
|                                        |                                                                                             | 5700                 | 78.95               | -26.25                  | 105.2                       | 63.06                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 334                     | P                       | H               |
|                                        |                                                                                             | 5720                 | 83.95               | -26.85                  | 110.8                       | 67.95                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 334                     | P                       | H               |
|                                        |                                                                                             | 5720                 | 83.95               | -26.85                  | 110.8                       | 67.95                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 334                     | P                       | H               |
|                                        | *                                                                                           | 5775                 | 110.77              | -                       | -                           | 94.49                     | 32.05                         | 13.24                  | 29.01                      | 100                  | 334                     | P                       | H               |
|                                        | *                                                                                           | 5775                 | 102.85              | -                       | -                           | 86.57                     | 32.05                         | 13.24                  | 29.01                      | 100                  | 334                     | A                       | H               |
|                                        |                                                                                             | 5853.6               | 79.93               | -34.06                  | 113.99                      | 63.51                     | 32.11                         | 13.31                  | 29                         | 100                  | 334                     | P                       | H               |
|                                        |                                                                                             | 5858.6               | 80.62               | -29.17                  | 109.79                      | 64.17                     | 32.12                         | 13.32                  | 28.99                      | 100                  | 334                     | P                       | H               |
|                                        |                                                                                             | 5876                 | 72.76               | -31.7                   | 104.46                      | 56.27                     | 32.15                         | 13.33                  | 28.99                      | 100                  | 334                     | P                       | H               |
|                                        |                                                                                             | 5930.4               | 57.63               | -10.57                  | 68.2                        | 40.93                     | 32.32                         | 13.36                  | 28.98                      | 100                  | 334                     | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 5648.4               | 66.98               | -1.22                   | 68.2                        | 51.28                     | 31.7                          | 13.04                  | 29.04                      | 101                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5692.8               | 81.33               | -18.56                  | 99.89                       | 65.46                     | 31.79                         | 13.11                  | 29.03                      | 101                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5718.6               | 84.24               | -26.17                  | 110.41                      | 68.25                     | 31.87                         | 13.15                  | 29.03                      | 101                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5723                 | 84.19               | -33.45                  | 117.64                      | 68.17                     | 31.89                         | 13.16                  | 29.03                      | 101                  | 92                      | P                       | V               |
|                                        | *                                                                                           | 5775                 | 111.75              | -                       | -                           | 95.47                     | 32.05                         | 13.24                  | 29.01                      | 101                  | 92                      | P                       | V               |
|                                        | *                                                                                           | 5775                 | 104.08              | -                       | -                           | 87.8                      | 32.05                         | 13.24                  | 29.01                      | 101                  | 92                      | A                       | V               |
|                                        |                                                                                             | 5852.4               | 82.67               | -34.06                  | 116.73                      | 66.26                     | 32.1                          | 13.31                  | 29                         | 101                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5856.2               | 78.01               | -32.45                  | 110.46                      | 61.58                     | 32.11                         | 13.31                  | 28.99                      | 101                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5875                 | 71.4                | -33.8                   | 105.2                       | 54.92                     | 32.15                         | 13.32                  | 28.99                      | 101                  | 92                      | P                       | V               |
|                                        |                                                                                             | 5929.4               | 60.95               | -7.25                   | 68.2                        | 44.25                     | 32.32                         | 13.36                  | 28.98                      | 101                  | 92                      | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## Emission above 18GHz

## 5GHz WIFI 802.11ac VHT80 (SHF)

| 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>VHT80<br>CH 155<br>5775MHz |                                                                                             | 11554     | 49.99      | -24.01 | 74         | 50.27    | 39.94    | 20.74  | 60.96  | 100    | 0       | P       | H       |
|                                        |                                                                                             | 17325     | 53.02      | -15.18 | 68.2       | 43.87    | 41.22    | 26.64  | 58.71  | 100    | 0       | P       | H       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                                                             | 11554     | 49.97      | -24.03 | 74         | 50.25    | 39.94    | 20.74  | 60.96  | 100    | 0       | P       | V       |
|                                        |                                                                                             | 17325     | 53.23      | -14.97 | 68.2       | 44.08    | 41.22    | 26.64  | 58.71  | 100    | 0       | P       | V       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Emission below 1GHz

## 5GHz WIFI 802.11ac VHT80 (LF)

| 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 ) |
| 5GHz<br>802.11ac<br>VHT80<br>LF |                                                                            | 147.37    | 33.29      | -10.21 | 43.5       | 46.41    | 17.02    | 2.14   | 32.28  | 100    | 0       | P       | H       |
|                                 |                                                                            | 258.92    | 23.7       | -22.3  | 46         | 33.3     | 19.92    | 2.82   | 32.34  | -      | -       | P       | H       |
|                                 |                                                                            | 442.25    | 24.18      | -21.82 | 46         | 29.76    | 22.99    | 3.58   | 32.15  | -      | -       | P       | H       |
|                                 |                                                                            | 632.37    | 28.03      | -17.97 | 46         | 29.45    | 26.26    | 4.31   | 31.99  | -      | -       | P       | H       |
|                                 |                                                                            | 729.37    | 32.83      | -13.17 | 46         | 32.86    | 27.54    | 4.64   | 32.21  | -      | -       | P       | H       |
|                                 |                                                                            | 848.68    | 32         | -14    | 46         | 30.05    | 29.08    | 5.02   | 32.15  | -      | -       | P       | H       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                 |                                                                            | 52.31     | 33.75      | -6.25  | 40         | 51.82    | 13.13    | 1.22   | 32.42  | 100    | 0       | P       | V       |
|                                 |                                                                            | 146.4     | 27.41      | -16.09 | 43.5       | 40.5     | 17.07    | 2.12   | 32.28  | -      | -       | P       | V       |
|                                 |                                                                            | 382.11    | 22.13      | -23.87 | 46         | 29.86    | 21.16    | 3.34   | 32.23  | -      | -       | P       | V       |
|                                 |                                                                            | 467.47    | 25.75      | -20.25 | 46         | 30.76    | 23.46    | 3.66   | 32.13  | -      | -       | P       | V       |
|                                 |                                                                            | 633.34    | 28.75      | -17.25 | 46         | 30.15    | 26.29    | 4.31   | 32     | -      | -       | P       | V       |
|                                 |                                                                            | 729.37    | 31.41      | -14.59 | 46         | 31.44    | 27.54    | 4.64   | 32.21  | -      | -       | P       | V       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                 |                                                                            |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                          | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



&lt;TXBF Mode&gt;

## Band 4 - 5725~5850MHz

## WIFI 802.11ac VHT20 (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>VHT20<br>CH 149<br>5745MHz |      | 5631.2               | 55.23               | -12.97                  | 68.2                        | 39.57                     | 31.7                          | 13.01                  | 29.05                      | 102                  | 97                      | P                       | H               |
|                                        |      | 5700                 | 68.22               | -36.98                  | 105.2                       | 52.33                     | 31.8                          | 13.12                  | 29.03                      | 102                  | 97                      | P                       | H               |
|                                        |      | 5719.8               | 83.87               | -26.87                  | 110.74                      | 67.87                     | 31.88                         | 13.15                  | 29.03                      | 102                  | 97                      | P                       | H               |
|                                        |      | 5722.2               | 90.29               | -25.53                  | 115.82                      | 74.27                     | 31.89                         | 13.16                  | 29.03                      | 102                  | 97                      | P                       | H               |
|                                        | *    | 5745                 | 117.66              | -                       | -                           | 101.51                    | 31.98                         | 13.19                  | 29.02                      | 102                  | 97                      | P                       | H               |
|                                        | *    | 5745                 | 109.5               | -                       | -                           | 93.35                     | 31.98                         | 13.19                  | 29.02                      | 102                  | 97                      | A                       | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5601.2               | 54.1                | -14.1                   | 68.2                        | 38.5                      | 31.7                          | 12.96                  | 29.06                      | 100                  | 96                      | P                       | V               |
|                                        |      | 5700                 | 64.47               | -40.73                  | 105.2                       | 48.58                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 96                      | P                       | V               |
|                                        |      | 5720                 | 79.1                | -31.7                   | 110.8                       | 63.1                      | 31.88                         | 13.15                  | 29.03                      | 100                  | 96                      | P                       | V               |
|                                        |      | 5724.2               | 87.19               | -33.19                  | 120.38                      | 71.16                     | 31.9                          | 13.16                  | 29.03                      | 100                  | 96                      | P                       | V               |
|                                        | *    | 5745                 | 113.32              | -                       | -                           | 97.17                     | 31.98                         | 13.19                  | 29.02                      | 100                  | 96                      | P                       | V               |
|                                        | *    | 5745                 | 105.32              | -                       | -                           | 89.17                     | 31.98                         | 13.19                  | 29.02                      | 100                  | 96                      | 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 ) |
|----------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT20<br>CH 157<br>5785MHz |      | 5612.4               | 54.24               | -13.96                  | 68.2                        | 38.61                     | 31.7                          | 12.98                  | 29.05                      | 100                  | 91                      | P                       | H               |
|                                        |      | 5700                 | 55.71               | -49.49                  | 105.2                       | 39.82                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 91                      | P                       | H               |
|                                        |      | 5706.2               | 57.13               | -49.81                  | 106.94                      | 41.21                     | 31.82                         | 13.13                  | 29.03                      | 100                  | 91                      | P                       | H               |
|                                        |      | 5722.6               | 59.6                | -57.13                  | 116.73                      | 43.58                     | 31.89                         | 13.16                  | 29.03                      | 100                  | 91                      | P                       | H               |
|                                        | *    | 5785                 | 117.07              | -                       | -                           | 100.75                    | 32.07                         | 13.26                  | 29.01                      | 100                  | 91                      | P                       | H               |
|                                        | *    | 5785                 | 109.25              | -                       | -                           | 92.93                     | 32.07                         | 13.26                  | 29.01                      | 100                  | 91                      | A                       | H               |
|                                        |      | 5852.4               | 57.78               | -58.95                  | 116.73                      | 41.37                     | 32.1                          | 13.31                  | 29                         | 100                  | 91                      | P                       | H               |
|                                        |      | 5857.4               | 57.13               | -53                     | 110.13                      | 40.7                      | 32.11                         | 13.31                  | 28.99                      | 100                  | 91                      | P                       | H               |
|                                        |      | 5903.6               | 56.24               | -27.76                  | 84                          | 39.67                     | 32.21                         | 13.34                  | 28.98                      | 100                  | 91                      | P                       | H               |
|                                        |      | 5943.4               | 55.28               | -12.92                  | 68.2                        | 38.51                     | 32.37                         | 13.37                  | 28.97                      | 100                  | 91                      | P                       | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5639.2               | 53.78               | -14.42                  | 68.2                        | 38.11                     | 31.7                          | 13.02                  | 29.05                      | 100                  | 89                      | P                       | V               |
|                                        |      | 5691                 | 56.13               | -42.43                  | 98.56                       | 40.27                     | 31.78                         | 13.11                  | 29.03                      | 100                  | 89                      | P                       | V               |
|                                        |      | 5719.6               | 55.47               | -55.22                  | 110.69                      | 39.47                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 89                      | P                       | V               |
|                                        |      | 5724.6               | 57.96               | -63.33                  | 121.29                      | 41.93                     | 31.9                          | 13.16                  | 29.03                      | 100                  | 89                      | P                       | V               |
|                                        | *    | 5785                 | 115.07              | -                       | -                           | 98.75                     | 32.07                         | 13.26                  | 29.01                      | 100                  | 89                      | P                       | V               |
|                                        | *    | 5785                 | 105.04              | -                       | -                           | 88.72                     | 32.07                         | 13.26                  | 29.01                      | 100                  | 89                      | A                       | V               |
|                                        |      | 5850.4               | 56.83               | -64.46                  | 121.29                      | 40.42                     | 32.1                          | 13.31                  | 29                         | 100                  | 89                      | P                       | V               |
|                                        |      | 5857.2               | 56.24               | -53.94                  | 110.18                      | 39.81                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 89                      | P                       | V               |
|                                        |      | 5911.4               | 54.71               | -23.52                  | 78.23                       | 38.09                     | 32.25                         | 13.35                  | 28.98                      | 100                  | 89                      | P                       | V               |
|                                        |      | 5940.8               | 55                  | -13.2                   | 68.2                        | 38.25                     | 32.36                         | 13.36                  | 28.97                      | 100                  | 89                      | 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 ) |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11ac<br/>VHT20<br/>CH 165<br/>5825MHz</b> | *                                                                                           | 5825                 | 116.26              | -                       | -                           | 99.86                     | 32.1                          | 13.3                   | 29                         | 100                  | 93                      | P                       | H               |
|                                                  | *                                                                                           | 5825                 | 107.9               | -                       | -                           | 91.5                      | 32.1                          | 13.3                   | 29                         | 100                  | 93                      | A                       | H               |
|                                                  |                                                                                             | 5850                 | 77.94               | -44.26                  | 122.2                       | 61.53                     | 32.1                          | 13.31                  | 29                         | 100                  | 93                      | P                       | H               |
|                                                  |                                                                                             | 5855.4               | 71.75               | -38.94                  | 110.69                      | 55.32                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 93                      | P                       | H               |
|                                                  |                                                                                             | 5876.2               | 61.85               | -42.46                  | 104.31                      | 45.36                     | 32.15                         | 13.33                  | 28.99                      | 100                  | 93                      | P                       | H               |
|                                                  |                                                                                             | 5947.2               | 56.18               | -12.02                  | 68.2                        | 39.39                     | 32.39                         | 13.37                  | 28.97                      | 100                  | 93                      | P                       | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                                  | *                                                                                           | 5825                 | 113.24              | -                       | -                           | 96.84                     | 32.1                          | 13.3                   | 29                         | 100                  | 95                      | P                       | V               |
|                                                  | *                                                                                           | 5825                 | 105.42              | -                       | -                           | 89.02                     | 32.1                          | 13.3                   | 29                         | 100                  | 95                      | A                       | V               |
|                                                  |                                                                                             | 5850.6               | 76.73               | -44.1                   | 120.83                      | 60.32                     | 32.1                          | 13.31                  | 29                         | 100                  | 95                      | P                       | V               |
|                                                  |                                                                                             | 5856.4               | 71.55               | -38.86                  | 110.41                      | 55.12                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 95                      | P                       | V               |
|                                                  |                                                                                             | 5880                 | 61.32               | -40.17                  | 101.49                      | 44.82                     | 32.16                         | 13.33                  | 28.99                      | 100                  | 95                      | P                       | V               |
|                                                  |                                                                                             | 5933.8               | 55.2                | -13                     | 68.2                        | 38.48                     | 32.34                         | 13.36                  | 28.98                      | 100                  | 95                      | 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 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                | 49.8                | -24.2                   | 74                          | 49.94                     | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17235                | 53.15               | -15.05                  | 68.2                        | 44.65                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11490                | 49.86               | -24.14                  | 74                          | 50                        | 40.1                          | 20.66                  | 60.9                       | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17235                | 53.76               | -14.44                  | 68.2                        | 45.26                     | 40.84                         | 26.48                  | 58.82                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 157<br>5785MHz |                                                                                             | 11570                | 49.81               | -24.19                  | 74                          | 50.14                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17355                | 52.23               | -15.97                  | 68.2                        | 42.83                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11570                | 49.92               | -24.08                  | 74                          | 50.25                     | 39.89                         | 20.76                  | 60.98                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17355                | 52.22               | -15.98                  | 68.2                        | 42.82                     | 41.38                         | 26.69                  | 58.67                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT20<br>CH 165<br>5825MHz |                                                                                             | 11653                | 49.91               | -24.09                  | 74                          | 50.55                     | 39.59                         | 20.85                  | 61.08                      | 400                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17475                | 53.13               | -15.07                  | 68.2                        | 42.8                      | 41.97                         | 26.89                  | 58.53                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11650                | 49.62               | -24.38                  | 74                          | 50.25                     | 39.6                          | 20.85                  | 61.08                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17475                | 53.26               | -14.94                  | 68.2                        | 42.93                     | 41.97                         | 26.89                  | 58.53                      | 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 |      | 5643.6               | 64.74               | -3.46                   | 68.2                        | 49.06                     | 31.7                          | 13.03                  | 29.05                      | 100                  | 79                      | P                       | H               |
|                                        |      | 5699.2               | 79                  | -25.61                  | 104.61                      | 63.11                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 79                      | P                       | H               |
|                                        |      | 5718.6               | 91.34               | -19.07                  | 110.41                      | 75.35                     | 31.87                         | 13.15                  | 29.03                      | 100                  | 79                      | P                       | H               |
|                                        |      | 5722.8               | 92.44               | -24.74                  | 117.18                      | 76.42                     | 31.89                         | 13.16                  | 29.03                      | 100                  | 79                      | P                       | H               |
|                                        | *    | 5755                 | 116.88              | -                       | -                           | 100.68                    | 32.01                         | 13.21                  | 29.02                      | 100                  | 79                      | P                       | H               |
|                                        | *    | 5755                 | 110.04              | -                       | -                           | 93.84                     | 32.01                         | 13.21                  | 29.02                      | 100                  | 79                      | A                       | H               |
|                                        |      | 5852.4               | 68.56               | -48.17                  | 116.73                      | 52.15                     | 32.1                          | 13.31                  | 29                         | 100                  | 79                      | P                       | H               |
|                                        |      | 5862.6               | 68.59               | -40.08                  | 108.67                      | 52.13                     | 32.13                         | 13.32                  | 28.99                      | 100                  | 79                      | P                       | H               |
|                                        |      | 5887.8               | 63.03               | -32.67                  | 95.7                        | 46.51                     | 32.18                         | 13.33                  | 28.99                      | 100                  | 79                      | P                       | H               |
|                                        |      | 5934.4               | 55.91               | -12.29                  | 68.2                        | 39.19                     | 32.34                         | 13.36                  | 28.98                      | 100                  | 79                      | P                       | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |      | 5639                 | 60.36               | -7.84                   | 68.2                        | 44.69                     | 31.7                          | 13.02                  | 29.05                      | 100                  | 97                      | P                       | V               |
|                                        |      | 5699                 | 76.4                | -28.06                  | 104.46                      | 60.51                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 97                      | P                       | V               |
|                                        |      | 5719                 | 88.66               | -21.86                  | 110.52                      | 72.66                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 97                      | P                       | V               |
|                                        |      | 5723                 | 90.62               | -27.02                  | 117.64                      | 74.6                      | 31.89                         | 13.16                  | 29.03                      | 100                  | 97                      | P                       | V               |
|                                        | *    | 5755                 | 111.14              | -                       | -                           | 94.94                     | 32.01                         | 13.21                  | 29.02                      | 100                  | 97                      | P                       | V               |
|                                        | *    | 5755                 | 104.85              | -                       | -                           | 88.65                     | 32.01                         | 13.21                  | 29.02                      | 100                  | 97                      | A                       | V               |
|                                        |      | 5852                 | 61.06               | -56.58                  | 117.64                      | 44.65                     | 32.1                          | 13.31                  | 29                         | 100                  | 97                      | P                       | V               |
|                                        |      | 5856.6               | 60.97               | -49.38                  | 110.35                      | 44.54                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 97                      | P                       | V               |
|                                        |      | 5878                 | 57.87               | -45.1                   | 102.97                      | 41.37                     | 32.16                         | 13.33                  | 28.99                      | 100                  | 97                      | P                       | V               |
|                                        |      | 5927.4               | 55.7                | -12.5                   | 68.2                        | 39.01                     | 32.31                         | 13.36                  | 28.98                      | 100                  | 97                      | 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 |                                                                                             | 5648.4               | 55.89               | -12.31                  | 68.2                        | 40.19                     | 31.7                          | 13.04                  | 29.04                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5698.6               | 66.01               | -38.16                  | 104.17                      | 50.12                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5717.8               | 69.09               | -41.09                  | 110.18                      | 53.1                      | 31.87                         | 13.15                  | 29.03                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5721.6               | 74.2                | -40.25                  | 114.45                      | 58.19                     | 31.89                         | 13.15                  | 29.03                      | 100                  | 95                      | P                       | H               |
|                                        | *                                                                                           | 5795                 | 114.58              | -                       | -                           | 98.23                     | 32.09                         | 13.27                  | 29.01                      | 100                  | 95                      | P                       | H               |
|                                        | *                                                                                           | 5795                 | 109.51              | -                       | -                           | 93.16                     | 32.09                         | 13.27                  | 29.01                      | 100                  | 95                      | A                       | H               |
|                                        |                                                                                             | 5851                 | 79.31               | -40.61                  | 119.92                      | 62.9                      | 32.1                          | 13.31                  | 29                         | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5856                 | 73.87               | -36.65                  | 110.52                      | 57.44                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5886.2               | 66.36               | -30.52                  | 96.88                       | 49.85                     | 32.17                         | 13.33                  | 28.99                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5931.2               | 57.78               | -10.42                  | 68.2                        | 41.08                     | 32.32                         | 13.36                  | 28.98                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 5647.6               | 55.09               | -13.11                  | 68.2                        | 39.39                     | 31.7                          | 13.04                  | 29.04                      | 100                  | 97                      | P                       | V               |
|                                        |                                                                                             | 5698.8               | 62.64               | -41.68                  | 104.32                      | 46.75                     | 31.8                          | 13.12                  | 29.03                      | 100                  | 97                      | P                       | V               |
|                                        |                                                                                             | 5719.2               | 66.28               | -44.3                   | 110.58                      | 50.28                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 97                      | P                       | V               |
|                                        |                                                                                             | 5723.2               | 68.85               | -49.25                  | 118.1                       | 52.83                     | 31.89                         | 13.16                  | 29.03                      | 100                  | 97                      | P                       | V               |
|                                        | *                                                                                           | 5795                 | 114.04              | -                       | -                           | 97.69                     | 32.09                         | 13.27                  | 29.01                      | 100                  | 97                      | P                       | V               |
|                                        | *                                                                                           | 5795                 | 105.19              | -                       | -                           | 88.84                     | 32.09                         | 13.27                  | 29.01                      | 100                  | 97                      | A                       | V               |
|                                        |                                                                                             | 5852.6               | 71.21               | -45.06                  | 116.27                      | 54.79                     | 32.11                         | 13.31                  | 29                         | 100                  | 97                      | P                       | V               |
|                                        |                                                                                             | 5857.4               | 71.81               | -38.32                  | 110.13                      | 55.38                     | 32.11                         | 13.31                  | 28.99                      | 100                  | 97                      | P                       | V               |
|                                        |                                                                                             | 5875.2               | 63.67               | -41.38                  | 105.05                      | 47.18                     | 32.15                         | 13.33                  | 28.99                      | 100                  | 97                      | P                       | V               |
|                                        |                                                                                             | 5943.8               | 55.51               | -12.69                  | 68.2                        | 38.73                     | 32.38                         | 13.37                  | 28.97                      | 100                  | 97                      | 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 (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                | 49.87               | -24.13                  | 74                          | 50.01                     | 40.07                         | 20.7                   | 60.91                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17265                | 52.3                | -15.9                   | 68.2                        | 43.59                     | 40.96                         | 26.53                  | 58.78                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11510                | 49.08               | -24.92                  | 74                          | 49.22                     | 40.07                         | 20.7                   | 60.91                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17265                | 51.81               | -16.39                  | 68.2                        | 43.1                      | 40.96                         | 26.53                  | 58.78                      | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| 802.11ac<br>VHT40<br>CH 159<br>5795MHz |                                                                                             | 11587                | 49.92               | -24.08                  | 74                          | 50.3                      | 39.84                         | 20.78                  | 61                         | 400                  | 0                       | P                       | H               |
|                                        |                                                                                             | 17385                | 53.93               | -14.27                  | 68.2                        | 44.31                     | 41.52                         | 26.74                  | 58.64                      | 100                  | 0                       | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 11587                | 49.96               | -24.04                  | 74                          | 50.34                     | 39.84                         | 20.78                  | 61                         | 100                  | 0                       | P                       | V               |
|                                        |                                                                                             | 17385                | 53.4                | -14.8                   | 68.2                        | 43.78                     | 41.52                         | 26.74                  | 58.64                      | 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 |                                                                                             | 5645.8               | 66.86               | -1.34                   | 68.2                        | 51.18                     | 31.7                          | 13.03                  | 29.05                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5692.6               | 80.76               | -18.98                  | 99.74                       | 64.89                     | 31.79                         | 13.11                  | 29.03                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5718                 | 83.41               | -26.83                  | 110.24                      | 67.42                     | 31.87                         | 13.15                  | 29.03                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5720.4               | 87.36               | -24.35                  | 111.71                      | 71.36                     | 31.88                         | 13.15                  | 29.03                      | 100                  | 95                      | P                       | H               |
|                                        | *                                                                                           | 5775                 | 110.79              | -                       | -                           | 94.51                     | 32.05                         | 13.24                  | 29.01                      | 100                  | 95                      | P                       | H               |
|                                        | *                                                                                           | 5775                 | 97.54               | -                       | -                           | 81.26                     | 32.05                         | 13.24                  | 29.01                      | 100                  | 95                      | A                       | H               |
|                                        |                                                                                             | 5850.8               | 80.6                | -39.78                  | 120.38                      | 64.19                     | 32.1                          | 13.31                  | 29                         | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5866                 | 79.54               | -28.18                  | 107.72                      | 63.08                     | 32.13                         | 13.32                  | 28.99                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5877                 | 73.46               | -30.25                  | 103.71                      | 56.97                     | 32.15                         | 13.33                  | 28.99                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             | 5925                 | 61.13               | -7.07                   | 68.2                        | 44.46                     | 32.3                          | 13.35                  | 28.98                      | 100                  | 95                      | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             | 5626.6               | 63.03               | -5.17                   | 68.2                        | 47.38                     | 31.7                          | 13                     | 29.05                      | 285                  | 114                     | P                       | V               |
|                                        |                                                                                             | 5686.4               | 78.19               | -16.98                  | 95.17                       | 62.36                     | 31.77                         | 13.1                   | 29.04                      | 285                  | 114                     | P                       | V               |
|                                        |                                                                                             | 5717.6               | 82.75               | -27.38                  | 110.13                      | 66.76                     | 31.87                         | 13.15                  | 29.03                      | 285                  | 114                     | P                       | V               |
|                                        |                                                                                             | 5723                 | 82.72               | -34.92                  | 117.64                      | 66.7                      | 31.89                         | 13.16                  | 29.03                      | 285                  | 114                     | P                       | V               |
|                                        | *                                                                                           | 5775                 | 104.93              | -                       | -                           | 88.65                     | 32.05                         | 13.24                  | 29.01                      | 285                  | 114                     | P                       | V               |
|                                        | *                                                                                           | 5775                 | 96.48               | -                       | -                           | 80.2                      | 32.05                         | 13.24                  | 29.01                      | 285                  | 114                     | A                       | V               |
|                                        |                                                                                             | 5854.6               | 78.96               | -32.75                  | 111.71                      | 62.53                     | 32.11                         | 13.31                  | 28.99                      | 285                  | 114                     | P                       | V               |
|                                        |                                                                                             | 5856.6               | 78.09               | -32.26                  | 110.35                      | 61.66                     | 32.11                         | 13.31                  | 28.99                      | 285                  | 114                     | P                       | V               |
|                                        |                                                                                             | 5876.2               | 72.89               | -31.42                  | 104.31                      | 56.4                      | 32.15                         | 13.33                  | 28.99                      | 285                  | 114                     | P                       | V               |
|                                        |                                                                                             | 5929.8               | 59.56               | -8.64                   | 68.2                        | 42.86                     | 32.32                         | 13.36                  | 28.98                      | 285                  | 114                     | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**Emission above 18GHz****5GHz WIFI 802.11ac VHT80 (SHF)**

| 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>VHT80<br>CH 155<br>5775MHz |                                                                                             | 11550     | 49.75      | -24.25 | 74         | 50.02    | 39.95    | 20.74  | 60.96  | 100    | 0       | P       | H       |
|                                        |                                                                                             | 17325     | 52.09      | -16.11 | 68.2       | 42.94    | 41.22    | 26.64  | 58.71  | 100    | 0       | P       | H       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                                                             | 11550     | 49.93      | -24.07 | 74         | 50.2     | 39.95    | 20.74  | 60.96  | 100    | 0       | P       | V       |
|                                        |                                                                                             | 17325     | 51.98      | -16.22 | 68.2       | 42.83    | 41.22    | 26.64  | 58.71  | 100    | 0       | P       | V       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                                                             |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## Emission below 1GHz

## 5GHz WIFI 802.11ac VHT80 (LF)

| 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) |
| 5GHz<br>802.11ac<br><br>VHT80<br><br>LF |                                                                            | 64.92     | 32.03      | -7.97  | 40         | 51.38  | 11.68    | 1.35   | 32.38  | -      | -       | P     | H     |
|                                         |                                                                            | 158.04    | 31.69      | -11.81 | 43.5       | 45.21  | 16.53    | 2.24   | 32.29  | -      | -       | P     | H     |
|                                         |                                                                            | 329.73    | 27.41      | -18.59 | 46         | 36.91  | 19.69    | 3.12   | 32.31  | -      | -       | P     | H     |
|                                         |                                                                            | 556.71    | 28.49      | -17.51 | 46         | 30.45  | 25.99    | 4.04   | 31.99  | -      | -       | P     | H     |
|                                         |                                                                            | 695.42    | 29.49      | -16.51 | 46         | 30.71  | 26.39    | 4.53   | 32.14  | -      | -       | P     | H     |
|                                         |                                                                            | 786.6     | 34.64      | -11.36 | 46         | 34.08  | 28.07    | 4.83   | 32.34  | -      | -       | P     | H     |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                                         |                                                                            | 70.74     | 33.21      | -6.79  | 40         | 51.86  | 12.28    | 1.43   | 32.36  | 100    | 86      | Q     | V     |
|                                         |                                                                            | 150.28    | 33.55      | -9.95  | 43.5       | 46.65  | 17.03    | 2.16   | 32.29  | -      | -       | P     | V     |
|                                         |                                                                            | 212.36    | 31.73      | -11.77 | 43.5       | 46.34  | 15.19    | 2.52   | 32.32  | -      | -       | P     | V     |
|                                         |                                                                            | 461.65    | 27.51      | -18.49 | 46         | 32.61  | 23.39    | 3.64   | 32.13  | -      | -       | P     | V     |
|                                         |                                                                            | 746.83    | 36.84      | -9.16  | 46         | 36.29  | 28.1     | 4.7    | 32.25  | -      | -       | P     | V     |
|                                         |                                                                            | 872.93    | 31.99      | -14.01 | 46         | 29.92  | 29.03    | 5.08   | 32.04  | -      | -       | P     | V     |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                                         |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark                                  | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



**Note symbol**

|     |                                                                                                                                                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| *   | <b>Fundamental Frequency</b> which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency. |
| !   | Test result is <b>over limit</b> line.                                                                                                                   |
| P/A | <b>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.    |
|-----------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
|                             |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
|                             |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11b<br>CH 01<br>2412MHz |      | 2390      | 55.45      | -18.55 | 74         | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
|                             |      | 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

|                 |                                   |                     |         |
|-----------------|-----------------------------------|---------------------|---------|
| Test Engineer : | Jacky Hung, Andy Yang and CR Liro | Temperature :       | 20~25°C |
|                 |                                   | Relative Humidity : | 50~60%  |

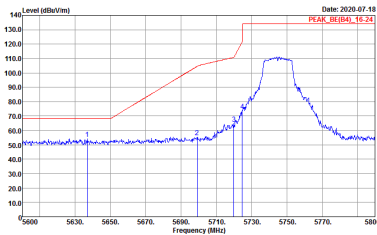
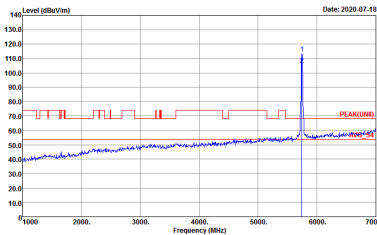
### Note symbol

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

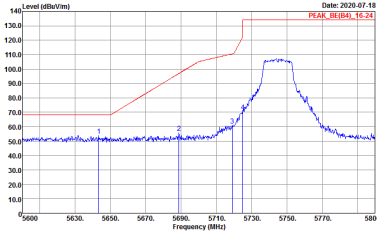
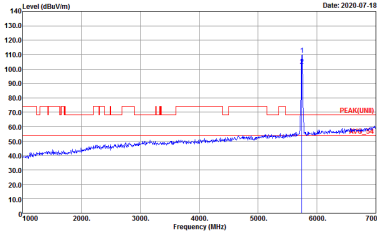


&lt;CDD Mode&gt;

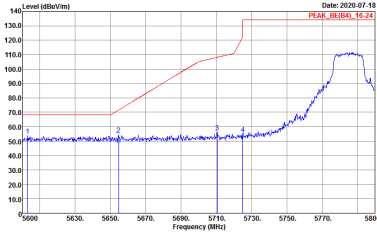
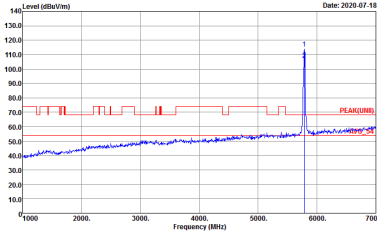
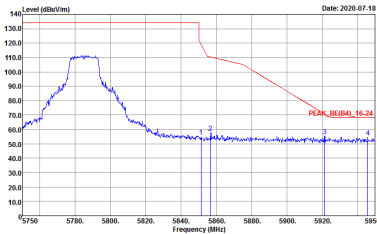
Band 4 - 5725~5850MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |

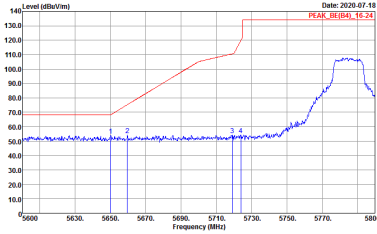
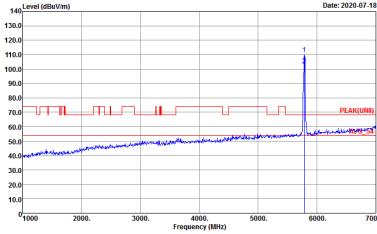
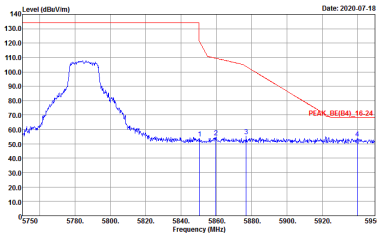


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                              |
| 1    | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |



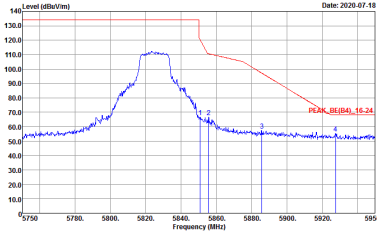
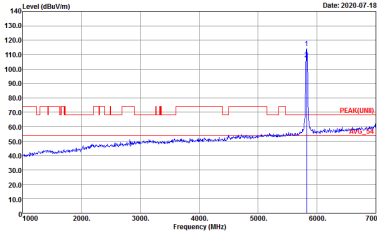
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |





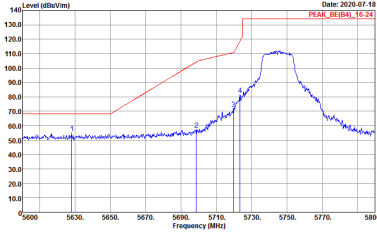
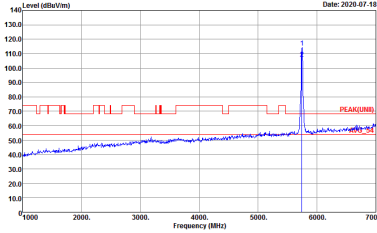
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                |
| 1    | Horizontal                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |



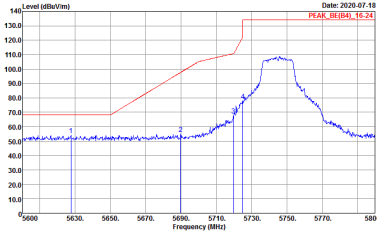
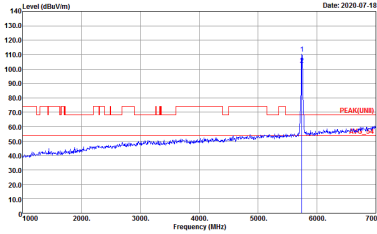
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                |                                                                                                                                                                            |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                             |                                                                                                                                                                            |
| 1    | Vertical                                                                                                                                                                          | Fundamental                                                                                                                                                                |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |

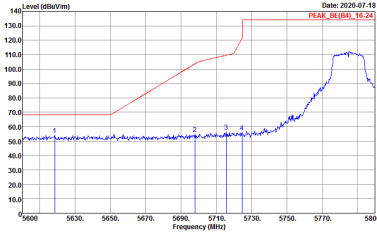
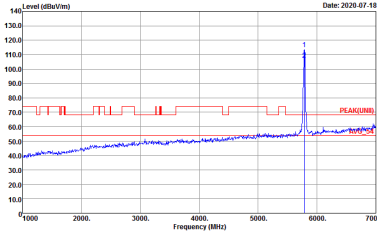
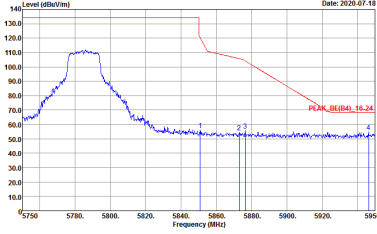


Band 4 5725~5850MHz  
WIFI 802.11ac VHT20 (Band Edge @ 3m)

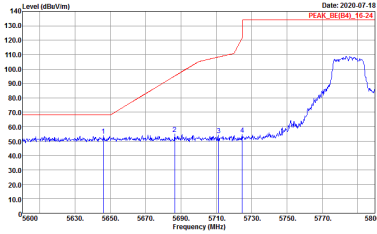
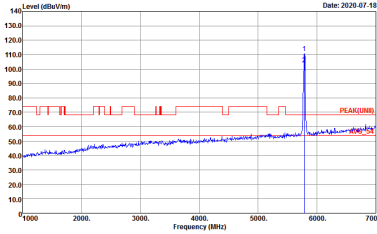
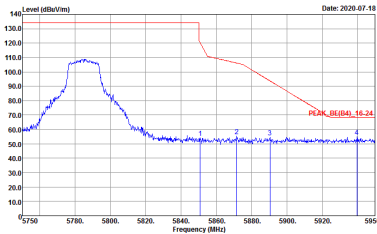
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                                                                      |                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |



| WIFI         | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                              |
| 1            | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak<br>Avg. | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |

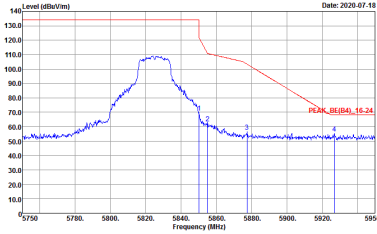
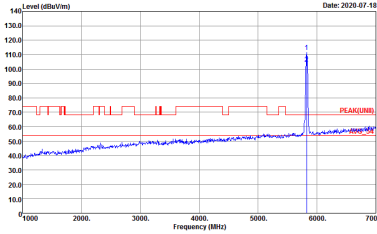


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                  |                                                                                                                                                                              |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                        |                                                                                                                                                                              |
| 1    | Horizontal                                                                                                                                                                          | Fundamental                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |

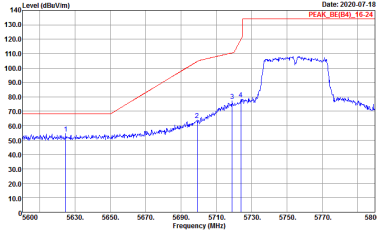
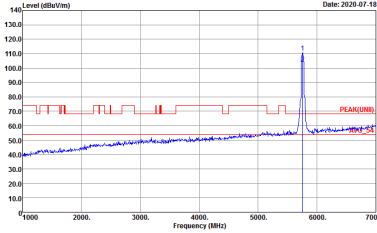
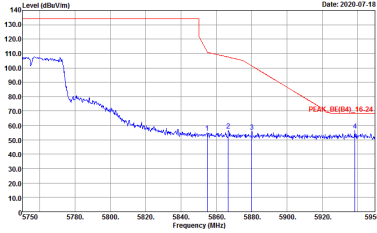


| WIFI         | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                              |
| 1            | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak<br>Avg. | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |

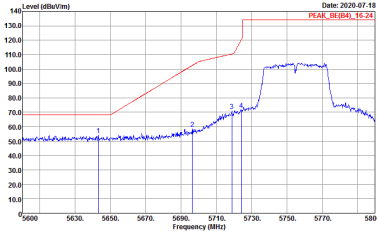
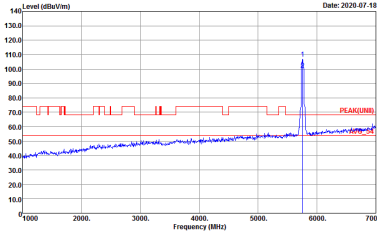
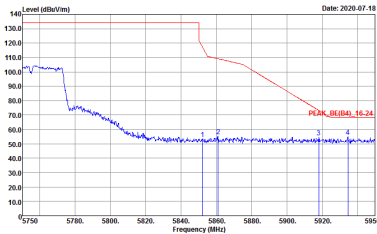




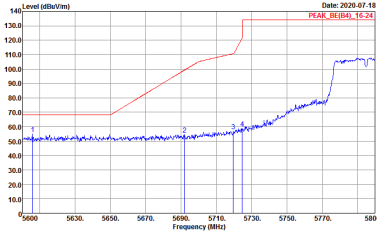
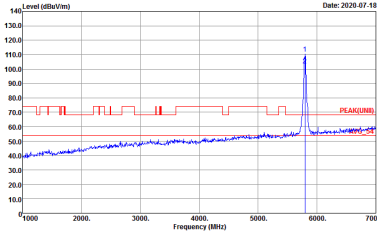
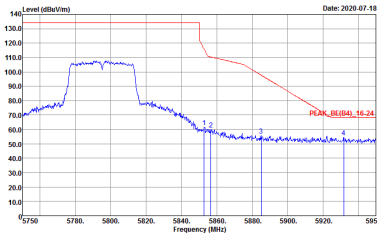
Band 4 5725~5850MHz  
WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |

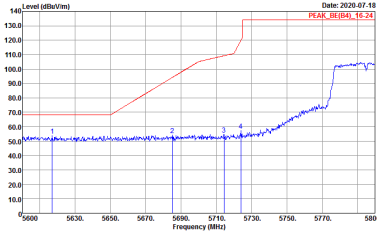
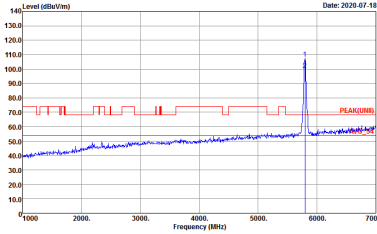
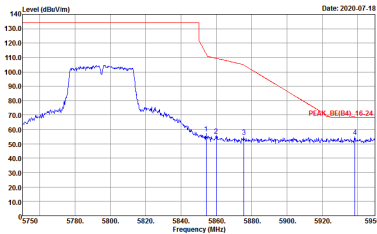


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |



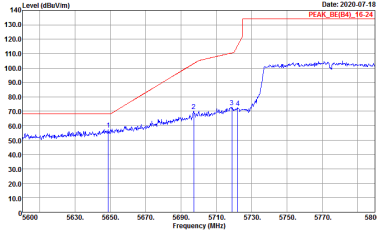
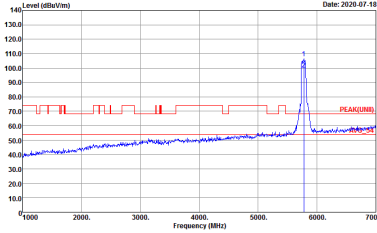
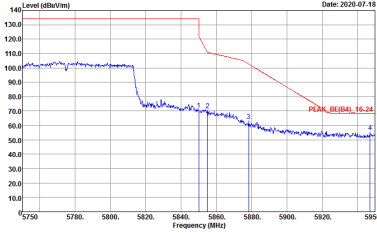
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 1    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(04)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(04)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |

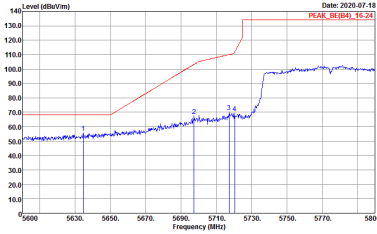
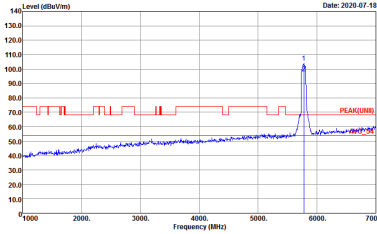
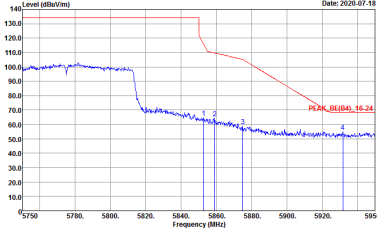


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |



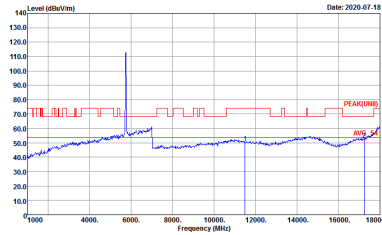
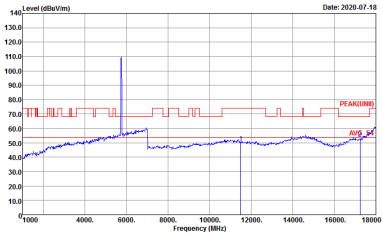
Band 4 5725~5850MHz  
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                  |                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                        |                                                                                                                                                                                                                                             |
| 1    | Horizontal                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                  |

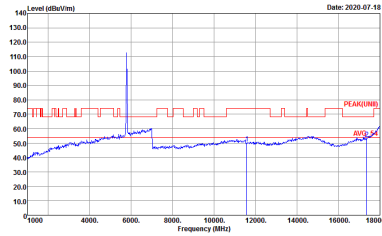
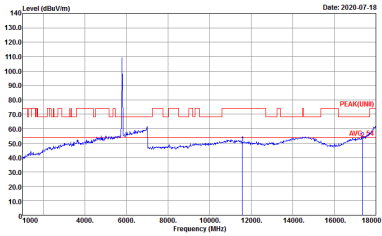
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                    |
| 1    | Vertical                                                                                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                                                                        |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p> |
|      |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p> | Left blank                                                                                                                                                                                                                                                                                                         |



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

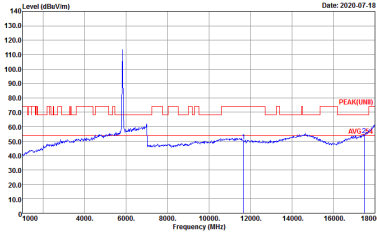
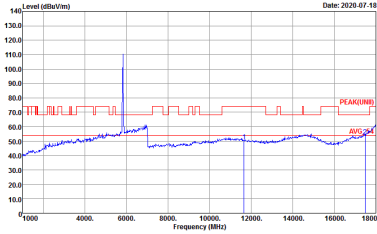
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH149 5745MHz                                                                                                                                                                                  |                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |



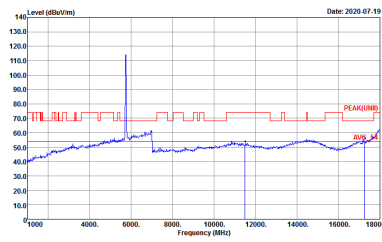
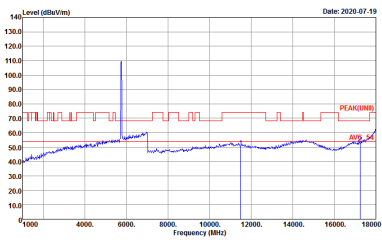
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH157 5785MHz                                                                                                                                                                                  |                                                                                                                                                                                                       |
| 1            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |
|              |                                                                                                                                                                                                        |                                                                                                                                                                                                       |



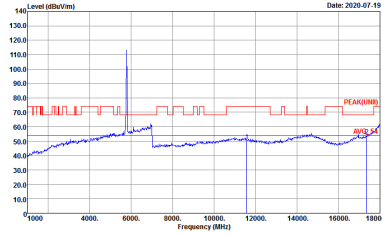
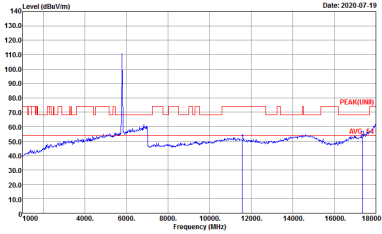


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH165 5825MHz                                                                                                                                                                                            |                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |

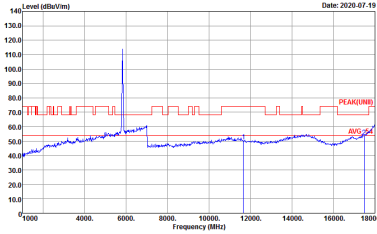
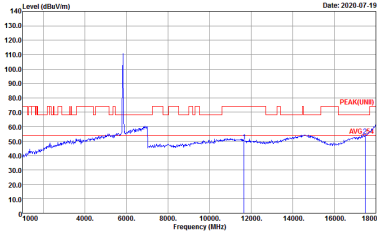
**Band 4 5725~5850MHz**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                              |                                                                                                                                                                                                          |
| 1                              | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/> Detector : Peak<br/> Project : 070601</p> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/> Detector : Peak<br/> Project : 070601</p> |

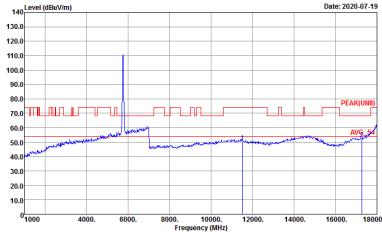
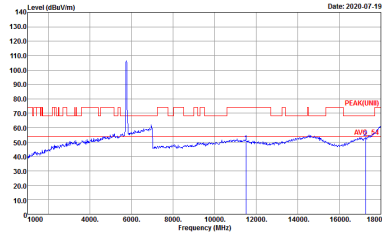


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |

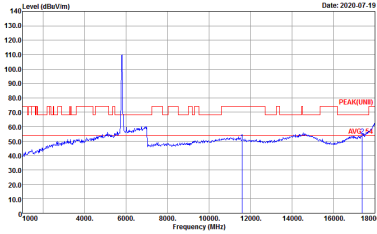
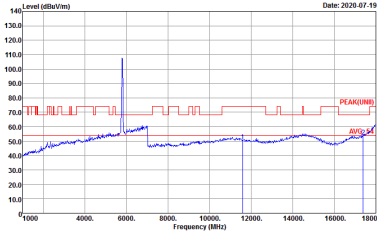


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |

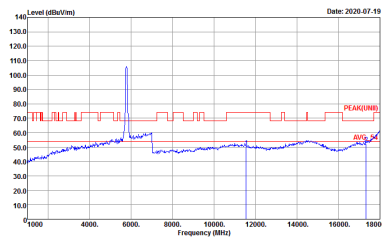
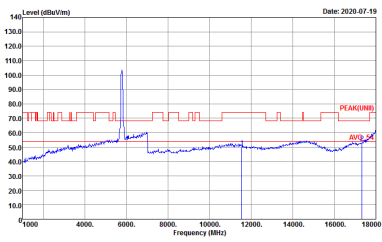
**Band 4 5725~5850MHz**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                              |                                                                                                                                                                                                          |
| 1                              | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/> Detector : Peak<br/> Project : 070601</p> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/> Detector : Peak<br/> Project : 070601</p> |



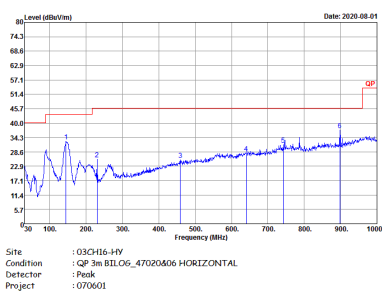
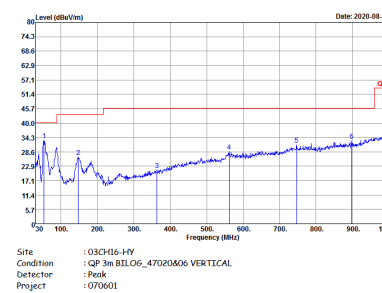
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</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                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/> Detector : Peak<br/> Project : 070601</p> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/> Detector : Peak<br/> Project : 070601</p> |



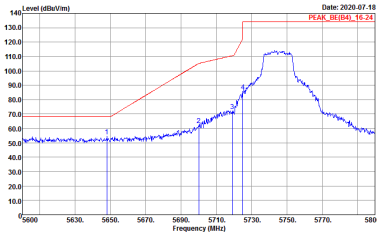
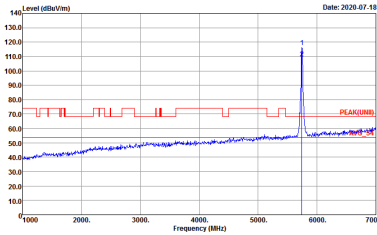
**Emission below 1GHz**  
**5GHz WIFI 802.11ac VHT80 (LF)**

| WIFI                 | 5GHz WIFI                                                                                                                                                                                          |                                                                                                                                                                                                   |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11ac VHT80 LF                                                                                                                                                                                  |                                                                                                                                                                                                   |
| 1                    | Horizontal                                                                                                                                                                                         | Vertical                                                                                                                                                                                          |
| <b>QP /<br/>Peak</b> |  <p>Site : 03CH16-HY<br/>Condition : QP 3m BTL06_47020406 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : QP 3m BTL06_47020406 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |

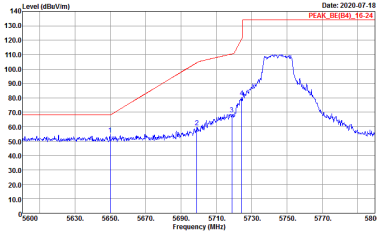
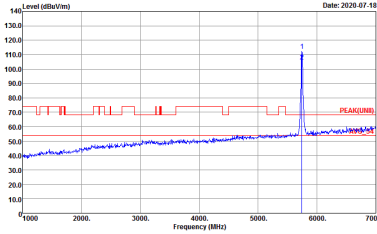




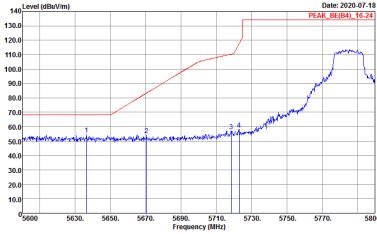
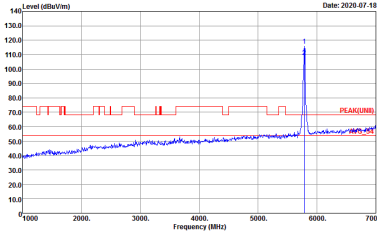
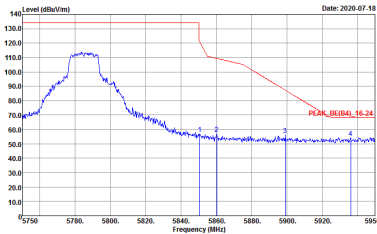
Band 4 - 5725~5850MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                             |                                                                                                                                                                                                                                             |
| 2    | Horizontal                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |

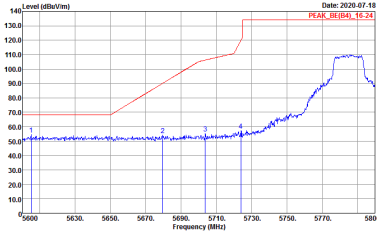
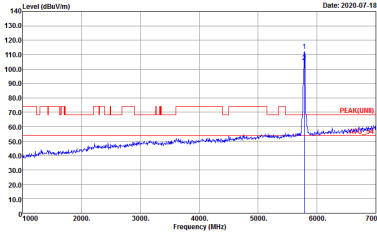
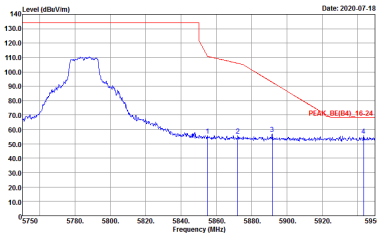


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                              |
| 2    | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |

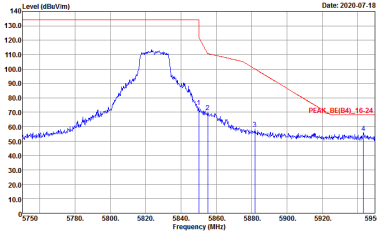
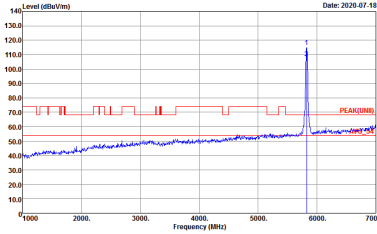


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                      |
| 2    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |

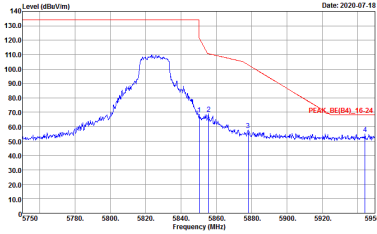
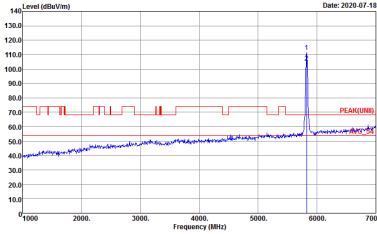


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                              |
| 2    | Vertical                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | Left blank                                                                                                                                                                                                                                                   |



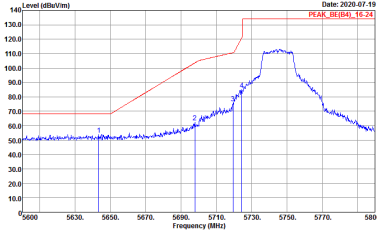
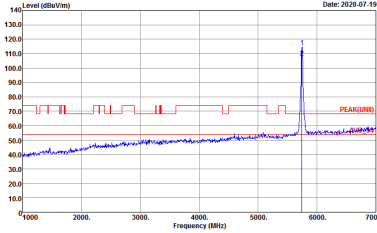
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                |
| 2    | Horizontal                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |



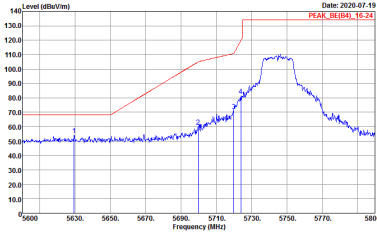
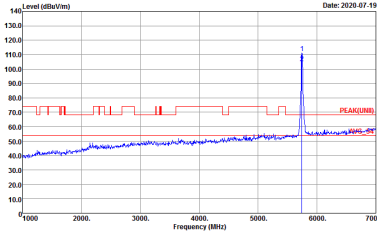
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                              |
| 2    | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |



Band 4 5725~5850MHz  
WIFI 802.11ac VHT20 (Band Edge @ 3m)

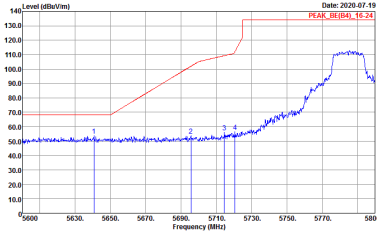
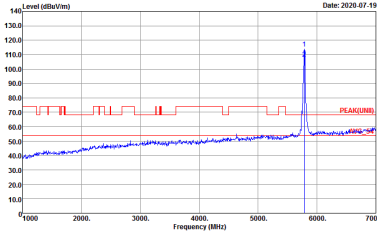
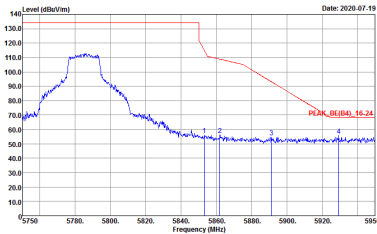
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                                                                      |                                                                                                                                                                                                                                             |
| 2    | Horizontal                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |



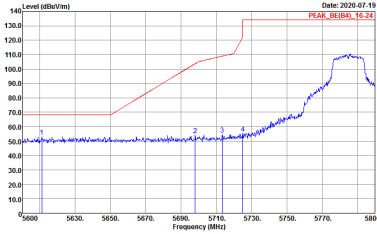
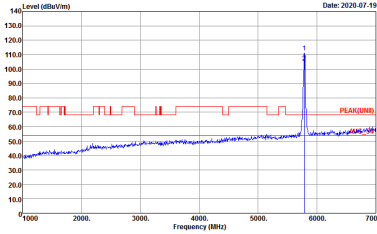
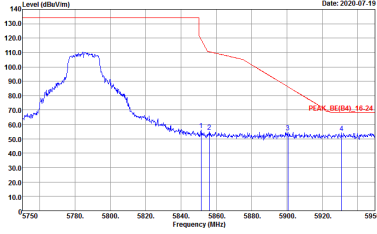
| WIFI         | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                      |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                      |
| 2            | Vertical                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                          |
| Peak<br>Avg. | <div><p>Site : 03CH16-IIV<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-IIV<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |
|              |                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                      |





| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 2    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |

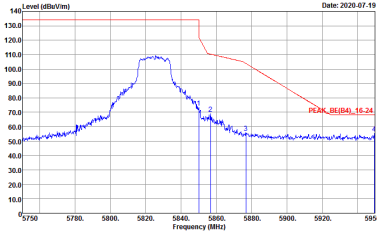
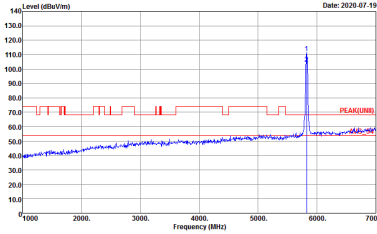


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 2    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |



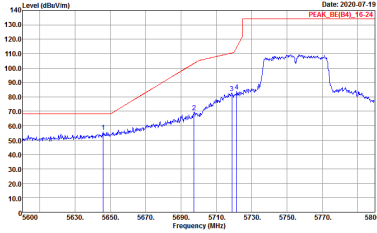
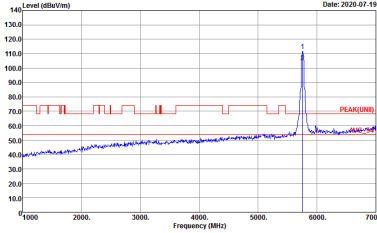
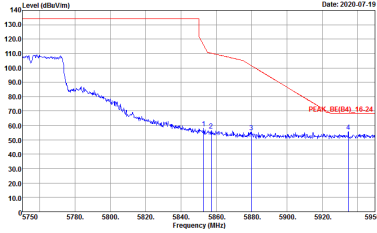
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                  |                                                                                                                                                                              |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                        |                                                                                                                                                                              |
| 2    | Horizontal                                                                                                                                                                          | Fundamental                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |



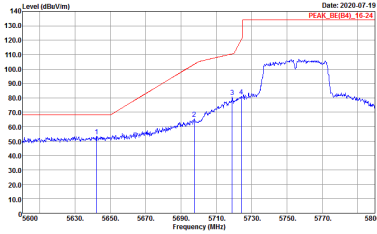
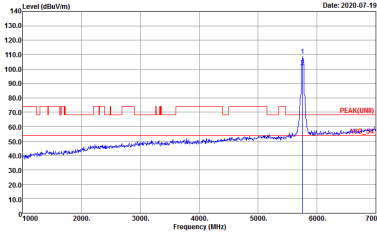
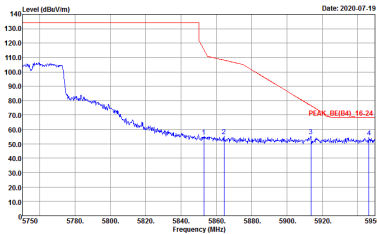
| WIFI         | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                              |
| 2            | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak<br>Avg. | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |
|              |                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                              |



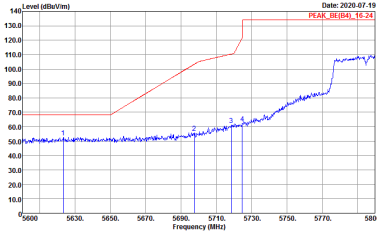
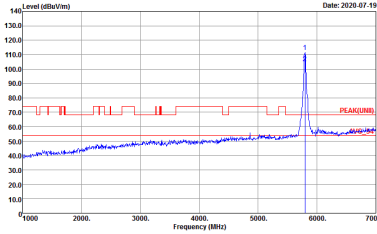
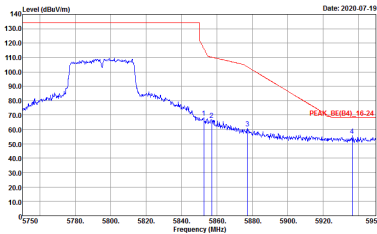
Band 4 5725~5850MHz  
WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 2    | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |

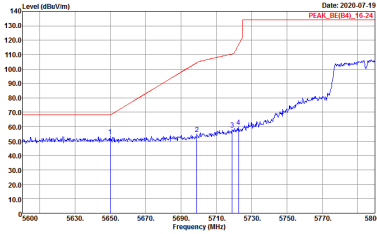
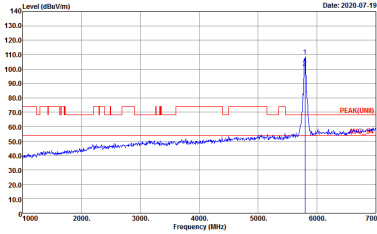
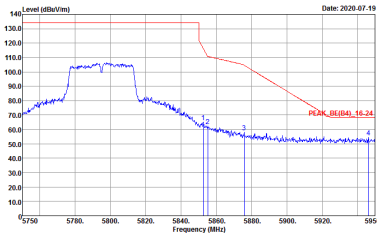


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 2    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                |
| 2    | Horizontal                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | Left blank                                                                                                                                                                                                                                                     |

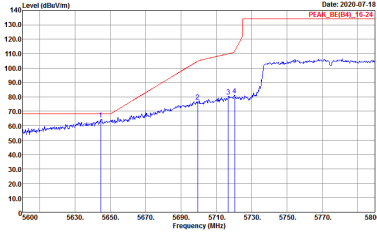
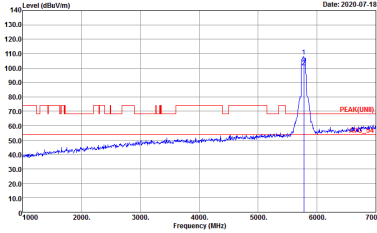
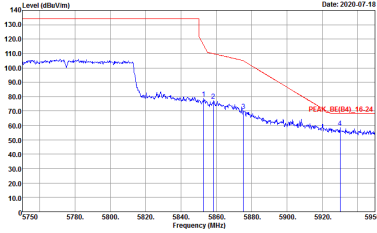


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 2    | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |

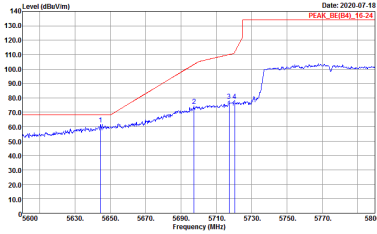
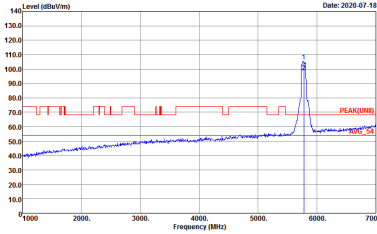
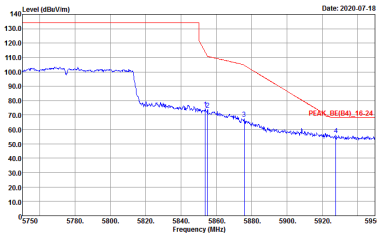




Band 4 5725~5850MHz  
WIFI 802.11ac VHT80 (Band Edge @ 3m)

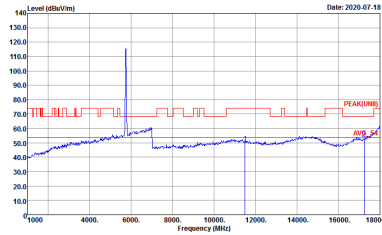
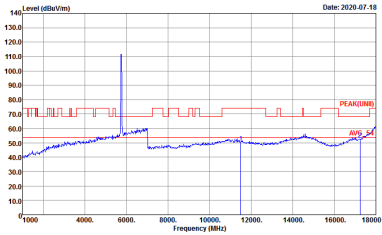
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                 |                                                                                                                                                                                                                                            |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                       |                                                                                                                                                                                                                                            |
| 2    | Horizontal                                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                                |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m HORN_1212 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m HORN_1212 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m HORN_1212 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                 |



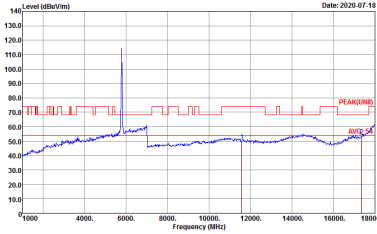
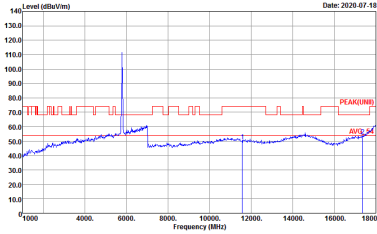
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                   |
| 2    | Vertical                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                       |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m HORN_1212 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m HORN_1212 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m HORN_1212 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                        |



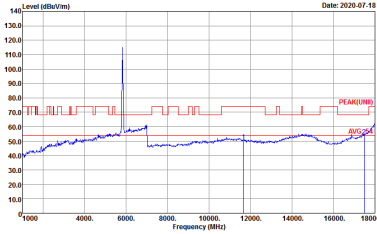
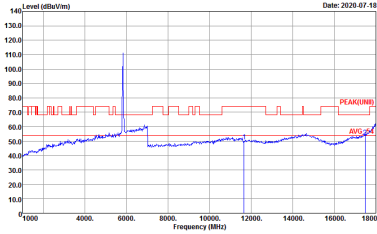
Band 4 - 5725~5850MHz  
WIFI 802.11a (Harmonic @ 3m)

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH149 5745MHz                                                                                                                                                                                  |                                                                                                                                                                                                       |
| 2            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |



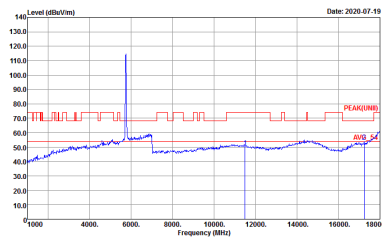
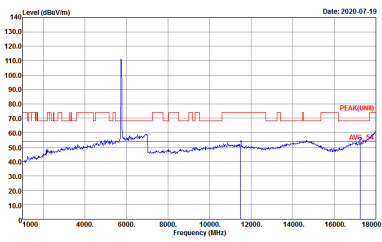
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH157 5785MHz                                                                                                                                                                                            |                                                                                                                                                                                                                 |
| 2            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |



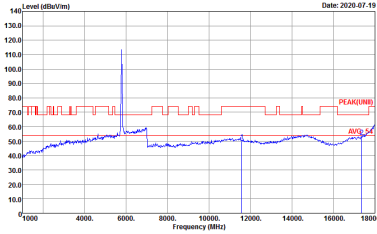
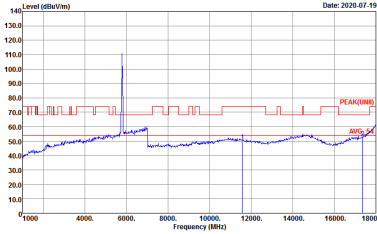
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
| ANT          | 802.11a CH165 5825MHz                                                                                                                                                                                            |                                                                                                                                                                                                                 |
| 2            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |



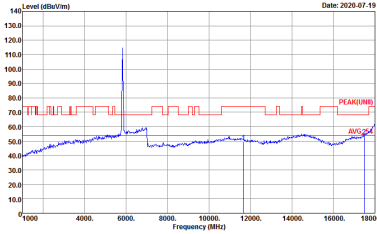
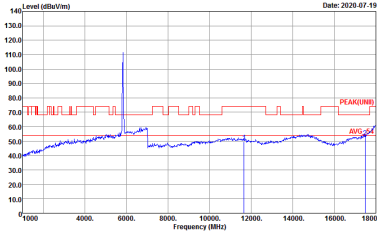
Band 4 5725~5850MHz  
WIFI 802.11ac VHT20 (Harmonic @ 3m)

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                           |                                                                                                                                                                                                       |
| 2            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |



| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 2            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |

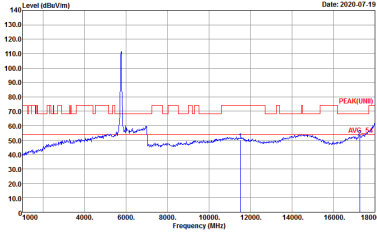
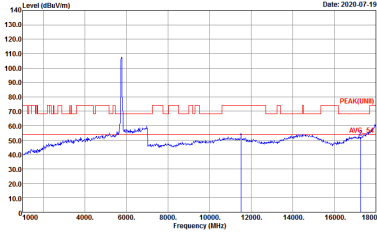


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 2            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |

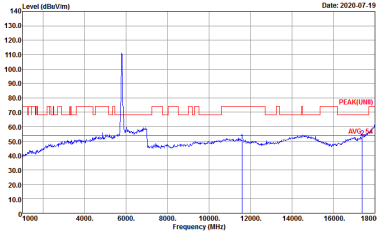
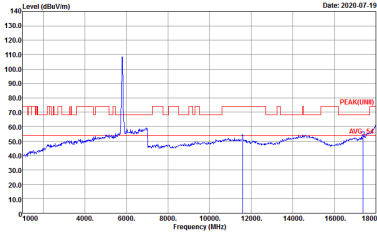




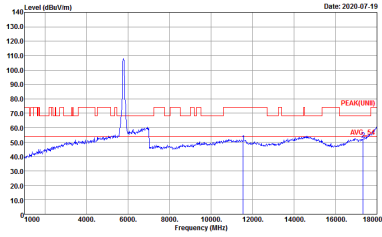
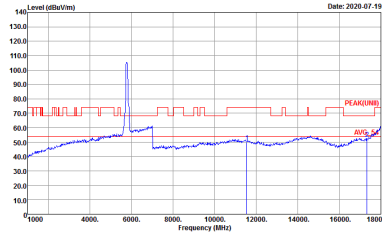
Band 4 5725~5850MHz  
WIFI 802.11ac VHT40 (Harmonic @ 3m)

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                           |                                                                                                                                                                                                       |
| 2            | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |



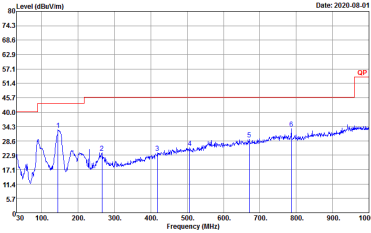
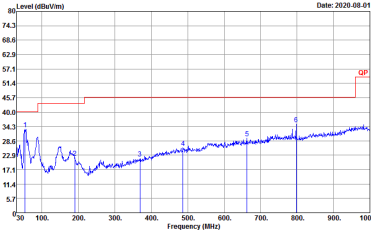
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 2            | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</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                                                                                                                                                                              |                                                                                                                                                                                                          |
| 2                              | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/> Detector : Peak<br/> Project : 070601</p> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/> Detector : Peak<br/> Project : 070601</p> |

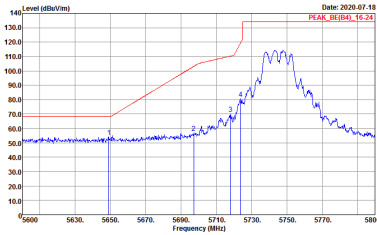
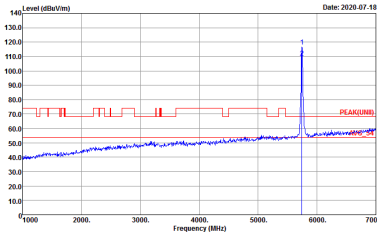


Emission below 1GHz  
5GHz WIFI 802.11ac VHT80 (LF)

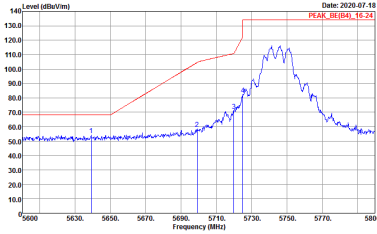
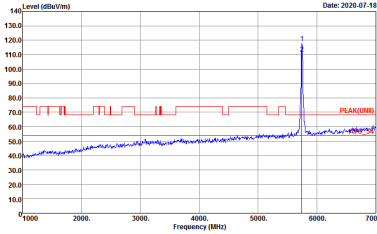
| WIFI         | 5GHz WIFI                                                                                                                                                                                          |                                                                                                                                                                                                   |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 LF                                                                                                                                                                                  |                                                                                                                                                                                                   |
| 2            | Horizontal                                                                                                                                                                                         | Vertical                                                                                                                                                                                          |
| QP /<br>Peak |  <p>Site : 03CH16-HY<br/>Condition : QP 3m B1LOG_47020406 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : QP 3m B1LOG_47020406 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |
|              |                                                                                                                                                                                                    |                                                                                                                                                                                                   |

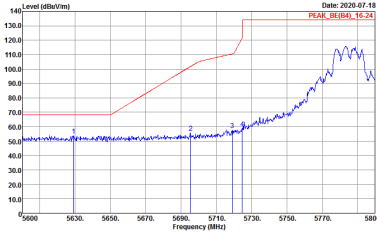
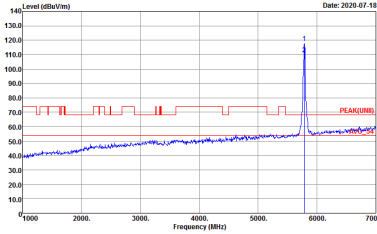
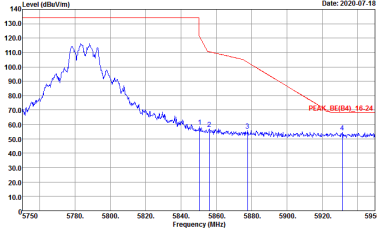


Band 4 - 5725~5850MHz  
WIFI 802.11a (Band Edge @ 3m)

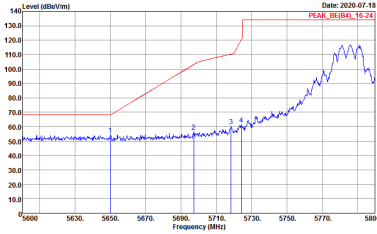
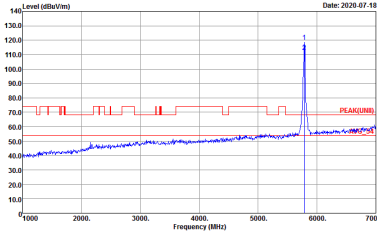
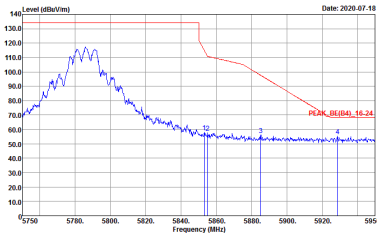
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                                      |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                      |
| 1+2  | Horizontal                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : Peak<br/>070601</p> |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                   |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                   |
| 1+2  | Vertical                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                       |
| Peak |  <p>Site : 03CH16-1V<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-1V<br/>Condition : PEAK_UNII 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
|      |                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                   |

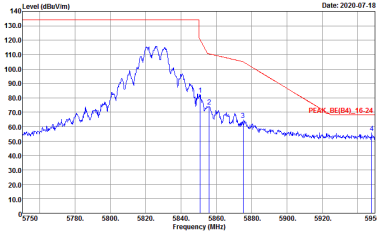
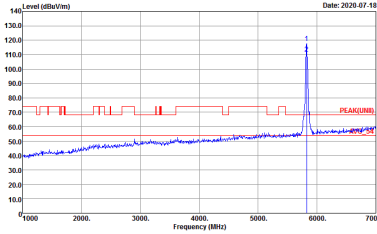
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                          |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                                                                              |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(84)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p> |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p> | Left blank                                                                                                                                                                                                                                                                                                               |



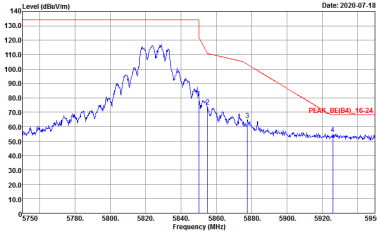
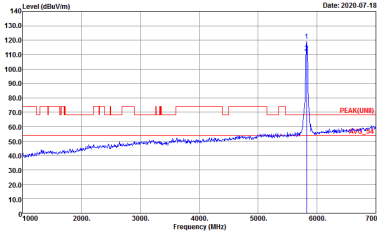
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                              |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                              |
| 1+2  | Vertical                                                                                                                                                                                                                                                             | Fundamental                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | Left blank                                                                                                                                                                                                                                                   |





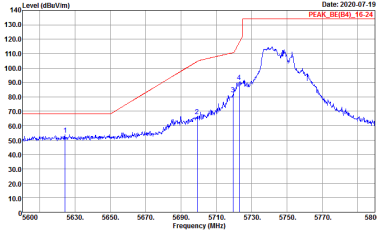
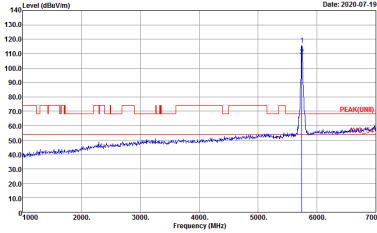
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                |
| 1+2  | Horizontal                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |



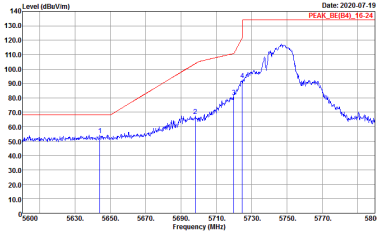
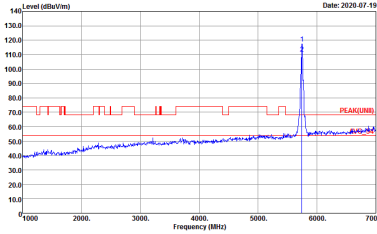
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH165 5825MHz                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                              |
| 1+2  | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |

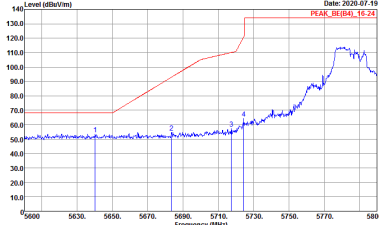
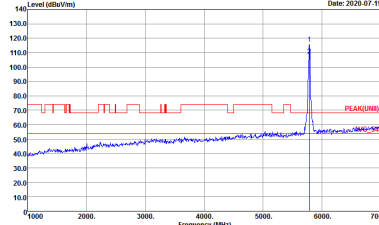
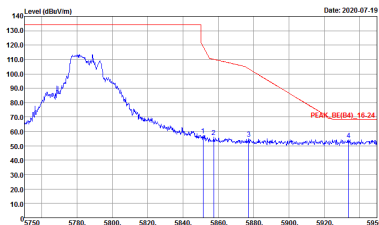


Band 4 5725~5850MHz  
WIFI 802.11ac VHT20 (Band Edge @ 3m)

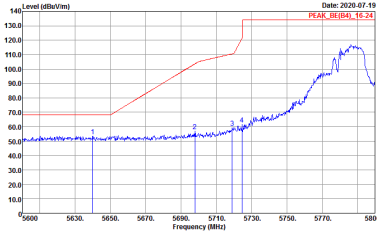
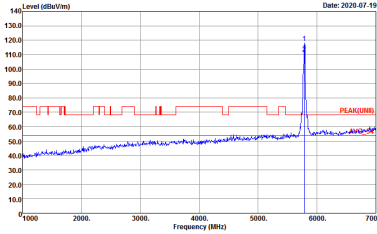
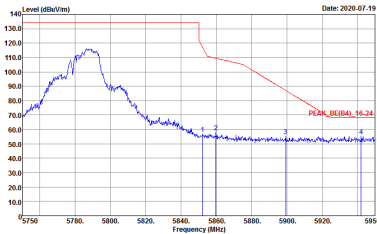
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                |                                                                                                                                                                                                                                             |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                                                                      |                                                                                                                                                                                                                                             |
| 1+2  | Horizontal                                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:3000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |



| WIFI         | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                               |
| 1+2          | Vertical                                                                                                                                                                                                                                                            | Fundamental                                                                                                                                                                                                                                                   |
| Peak<br>Avg. | <div><p>Site : 03CH16-1HY<br/>Condition : PEAK_8E(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-1HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                          |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                          |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                                                                              |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(84)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p> |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p> | Left blank                                                                                                                                                                                                                                                                                                               |

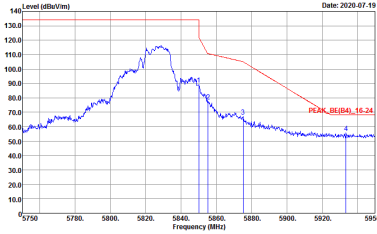
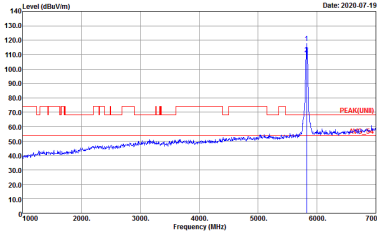


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 1+2  | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |



| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                  |                                                                                                                                                                                  |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                        |                                                                                                                                                                                  |
| 1+2  | Horizontal                                                                                                                                                                          | Fundamental                                                                                                                                                                      |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |

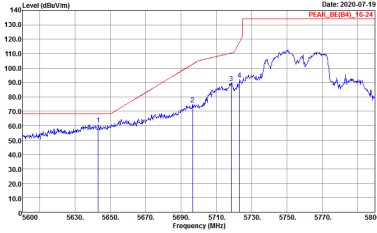
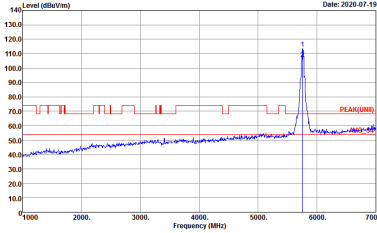
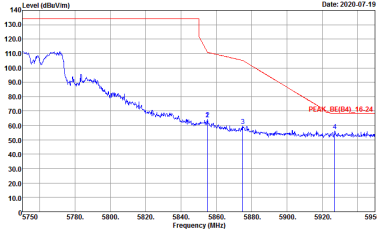


| WIFI         | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                              |
| 1+2          | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak<br>Avg. | <div><p>Site : 03CH16-1V<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-1V<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |

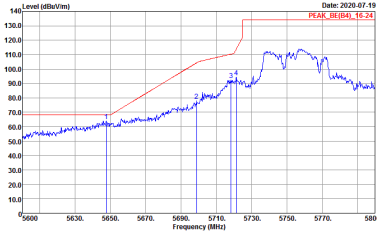
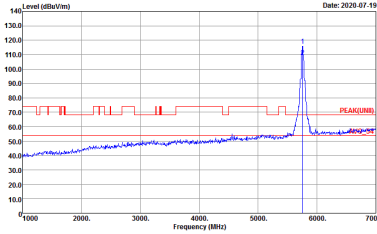
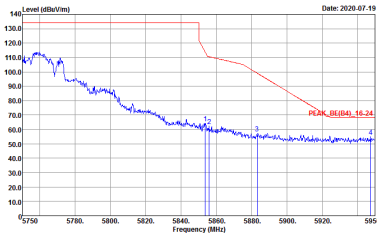




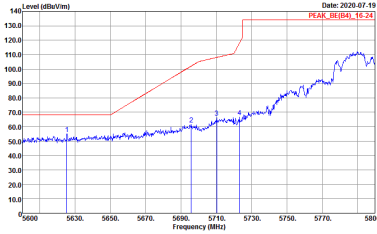
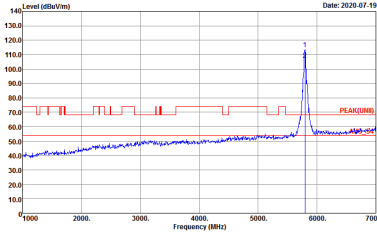
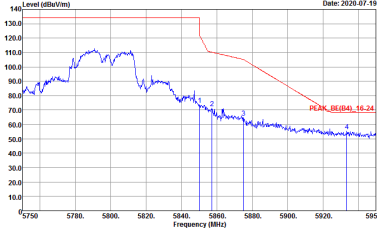
Band 4 5725~5850MHz  
WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 1+2  | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |

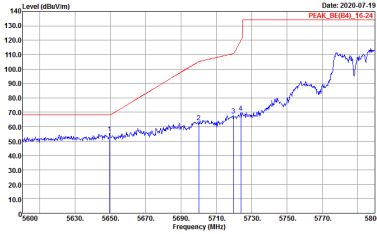
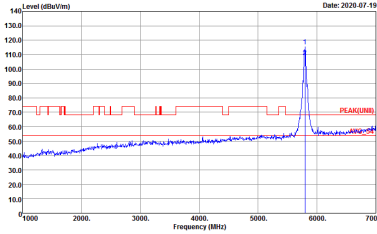
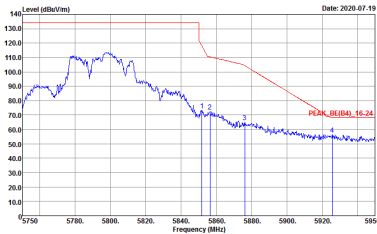


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 1+2  | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |



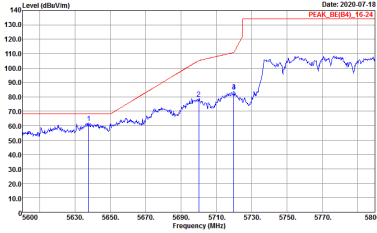
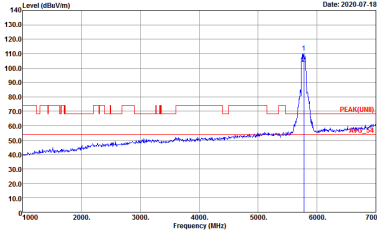
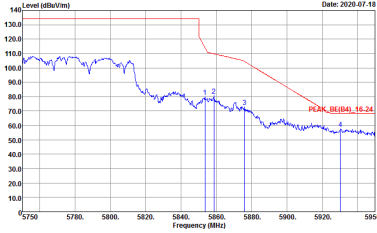
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 1+2  | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(04)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(04)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |

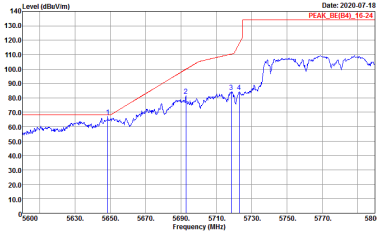
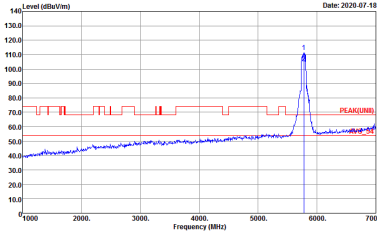
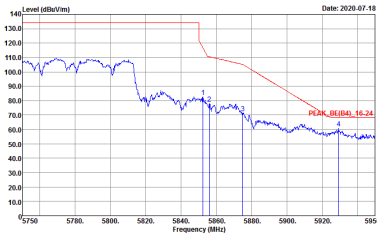


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 1+2  | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |



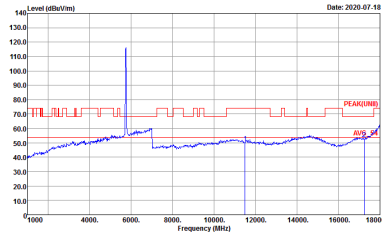
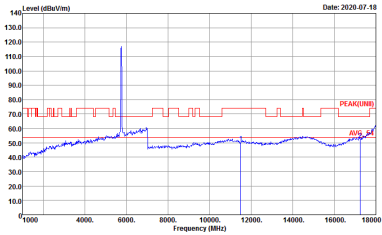
Band 4 5725~5850MHz  
WIFI 802.11ac VHT80 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                         |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p> | Left blank                                                                                                                                                                                                                                                              |

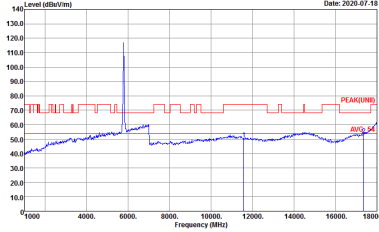
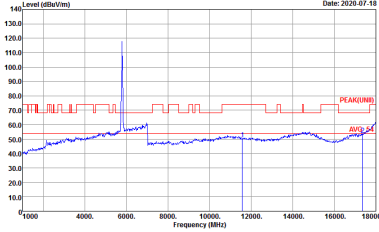
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                          |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                          |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                         | Fundamental                                                                                                                                                                                                                                                                              |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 070601<br/>           Setting : 18.5         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 070601<br/>           Setting : 18.5         </p> |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 070601<br/>           Setting : 18.5         </p> | Left blank                                                                                                                                                                                                                                                                               |



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

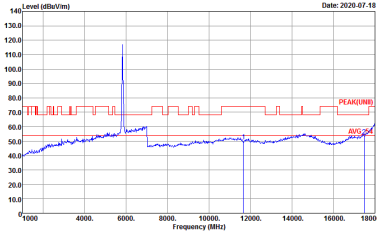
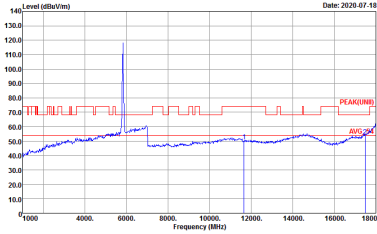
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                      |                                                                                                                                                                                                       |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH149 5745MHz                                                                                                                                                                                  |                                                                                                                                                                                                       |
| 1+2          | Horizontal                                                                                                                                                                                             | Vertical                                                                                                                                                                                              |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |



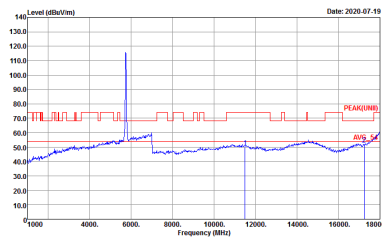
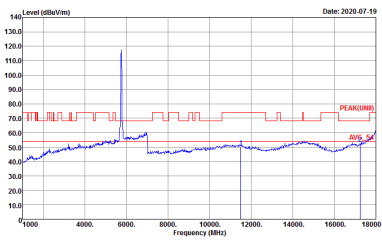
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH157 5785MHz                                                                                                                                                                                            |                                                                                                                                                                                                                 |
| 1+2          | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |



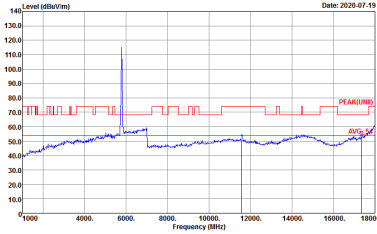
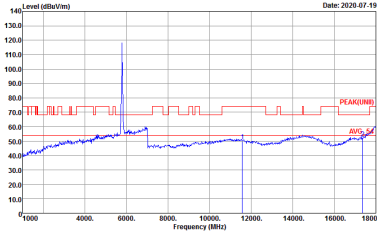


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11a CH165 5825MHz                                                                                                                                                                                            |                                                                                                                                                                                                                 |
| 1+2          | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |

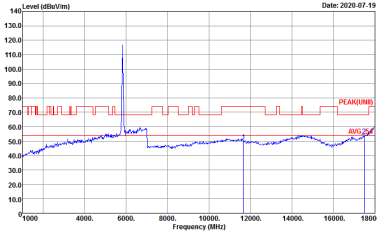
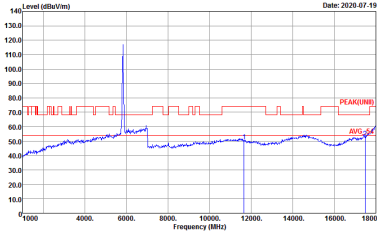
**Band 4 5725~5850MHz**  
**WIFI 802.11ac VHT20 (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                              |                                                                                                                                                                                                          |
| 1+2                            | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/> Detector : Peak<br/> Project : 070601</p> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/> Detector : Peak<br/> Project : 070601</p> |

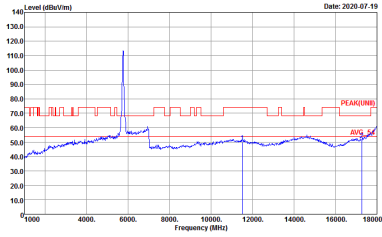
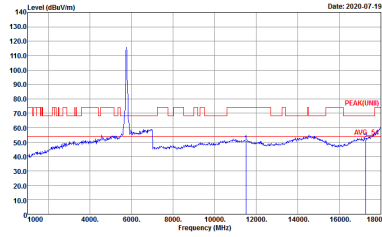


| WIFI                       | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                        | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1+2                        | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| <b>Peak</b><br><b>Avg.</b> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |

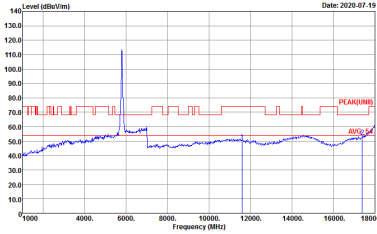
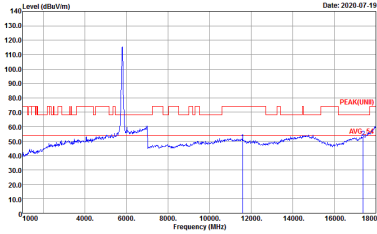


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1+2          | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |

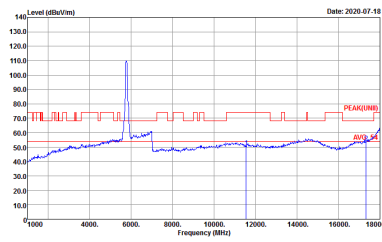
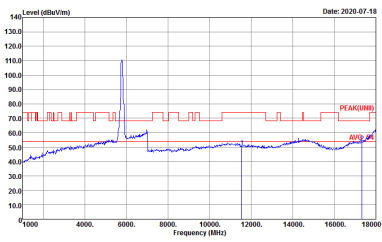
**Band 4 5725~5850MHz**  
**WIFI 802.11ac VHT40 (Harmonic @ 3m)**

| WIFI                           | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                         |                                                                                                                                                                                                          |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                              |                                                                                                                                                                                                          |
| 1+2                            | Horizontal                                                                                                                                                                                                | Vertical                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/> Detector : Peak<br/> Project : 070601</p> |  <p>Site : 03CH16-HY<br/> Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/> Detector : Peak<br/> Project : 070601</p> |



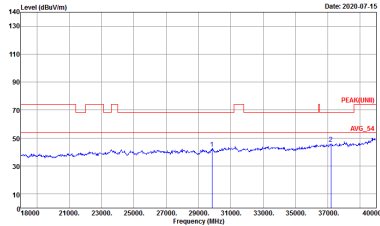
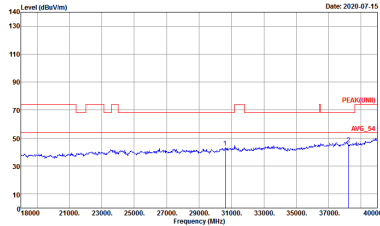
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1+2          | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</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+2                            | Horizontal                                                                                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>           Detector : Peak<br/>           Project : 070601<br/>           Setting : 18.5         </p> |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>           Detector : Peak<br/>           Project : 070601<br/>           Setting : 18.5         </p> |



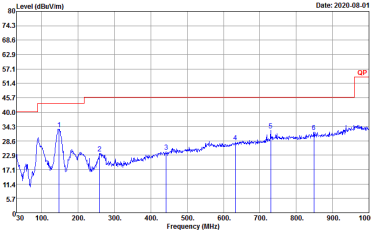
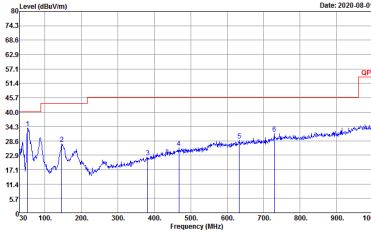
**Emission above 18GHz**  
**5GHz WIFI 802.11ac VHT80 (SHF)**

| WIFI                 | Band 4 5725~5850MHz (SHF)                                                                                                                                                                                        |                                                                                                                                                                                                                 |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1+2                  | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| <b>QP /<br/>Peak</b> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) In SHF HORN BBH49170584 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) In SHF HORN BBH49170584 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |
|                      |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |





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

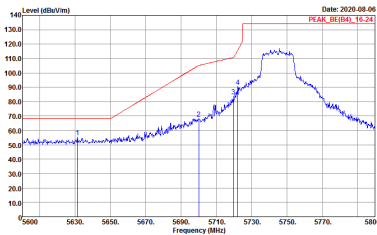
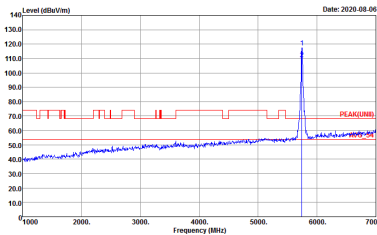
| WIFI                 | 5GHz WIFI                                                                                                                                                                                          |                                                                                                                                                                                                   |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                  | 802.11ac VHT80 LF                                                                                                                                                                                  |                                                                                                                                                                                                   |
| 1+2                  | Horizontal                                                                                                                                                                                         | Vertical                                                                                                                                                                                          |
| <b>QP /<br/>Peak</b> |  <p>Site : 03CH16-HY<br/>Condition : QP 3m B1LOG_47020406 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : QP 3m B1LOG_47020406 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |
|                      |                                                                                                                                                                                                    |                                                                                                                                                                                                   |



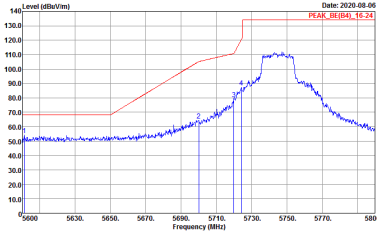
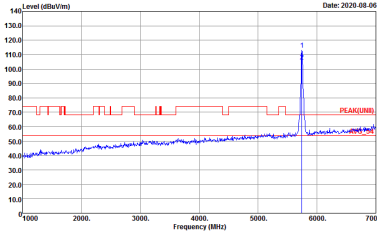
&lt;TXBF Mode&gt;

## Band 4 - 5725~5850MHz

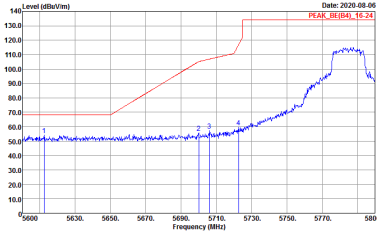
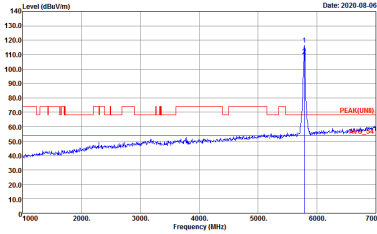
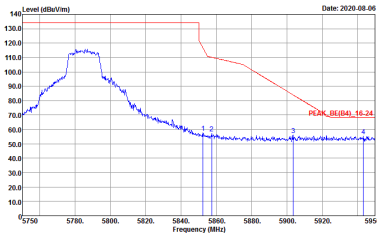
## WIFI 802.11ac VHT20 (Band Edge @ 3m)

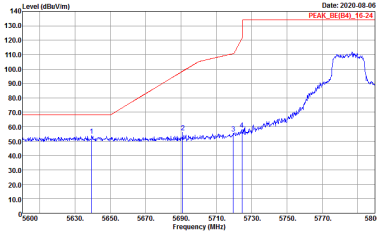
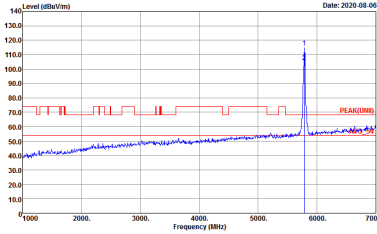
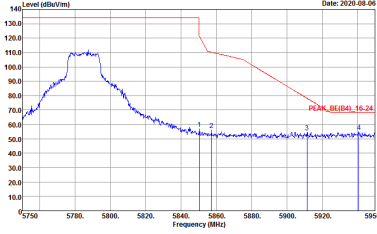
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                      |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |
| 1+2  | Horizontal                                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : Peak<br/>070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII)_3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : Peak<br/>070601</p> |



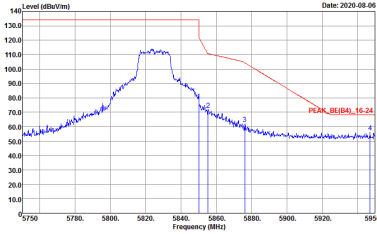
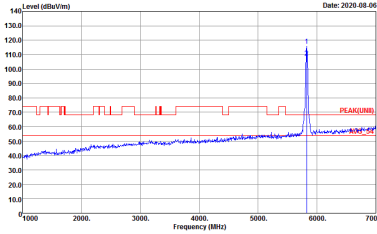
| WIFI         | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                              |
| 1+2          | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak<br>Avg. | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |



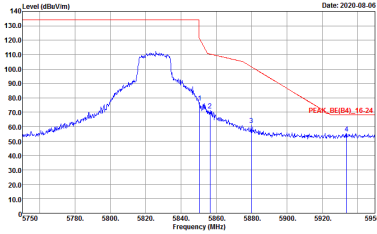
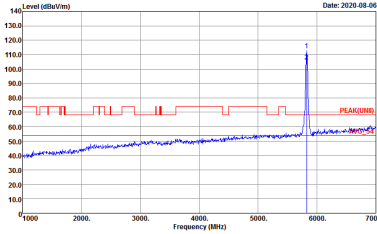
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 1+2  | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(04)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(04)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                            |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                            |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                                                                                    | Fundamental                                                                                                                                                                                                                                                                                                                                                                                |
| Peak |  <p>           Date: 2020-08-06<br/>           PEAK_BE(04)_16-24<br/>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p>   |  <p>           Date: 2020-08-06<br/>           PEAK_BE(04)_16-24<br/>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p> |
| Peak |  <p>           Date: 2020-08-06<br/>           PEAK_BE(04)_16-24<br/>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p> | Left blank                                                                                                                                                                                                                                                                                                                                                                                 |



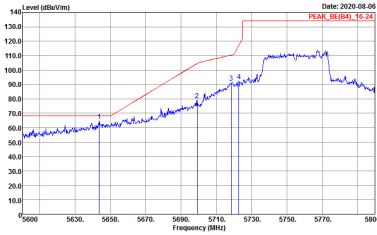
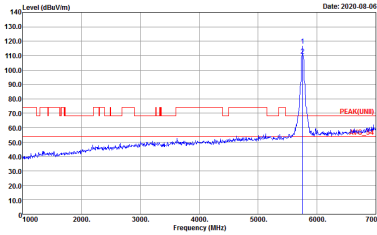
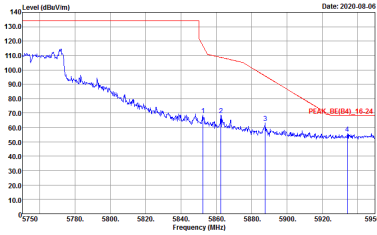
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                |
| 1+2  | Horizontal                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                    |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |



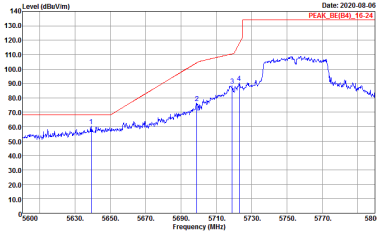
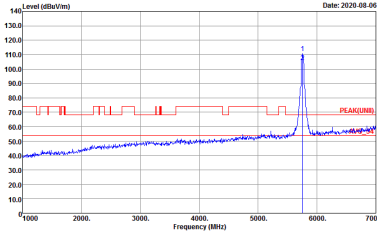
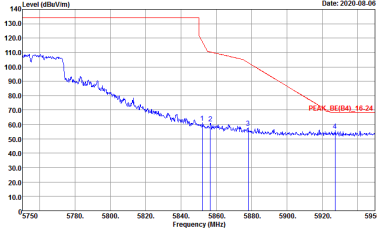
| WIFI         | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                              |
| 1+2          | Vertical                                                                                                                                                                                                                                                           | Fundamental                                                                                                                                                                                                                                                  |
| Peak<br>Avg. | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |



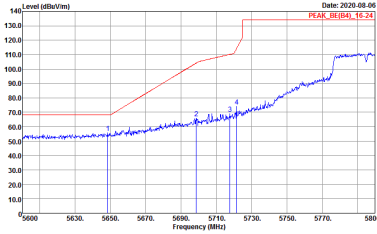
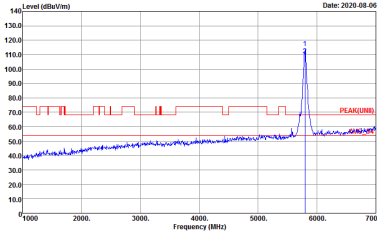
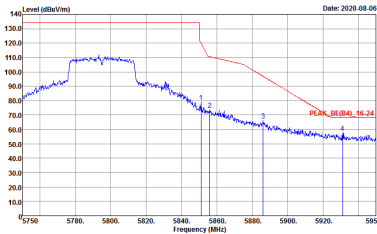
Band 4 5725~5850MHz  
WIFI 802.11ac VHT40 (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                  |                                                                                                                                                                                                                                             |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                                                                        |                                                                                                                                                                                                                                             |
| 1+2  | Horizontal                                                                                                                                                                                                                                          | Fundamental                                                                                                                                                                                                                                 |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                  |

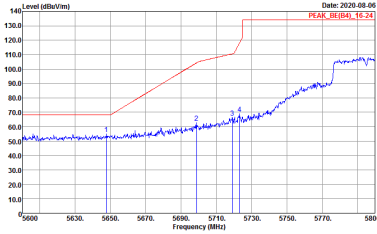
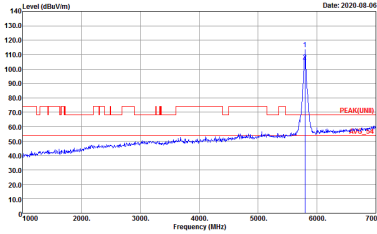
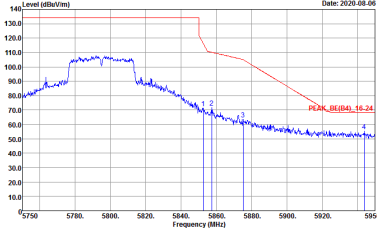


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                    |
| 1+2  | Vertical                                                                                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                                                                        |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p>   |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p> |
| Peak |  <p>           Site : 03CH16-HY<br/>           Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>           RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>           Detector : Peak<br/>           Project : 070601         </p> | Left blank                                                                                                                                                                                                                                                                                                         |



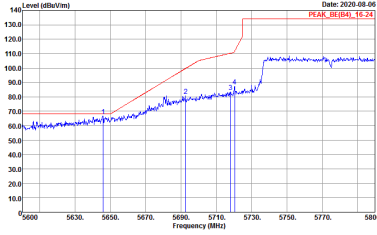
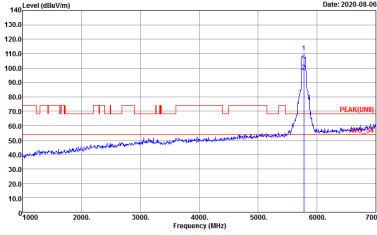
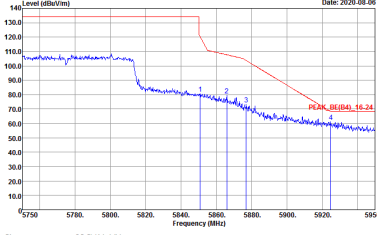
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                      |
| 1+2  | Horizontal                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                          |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                           |



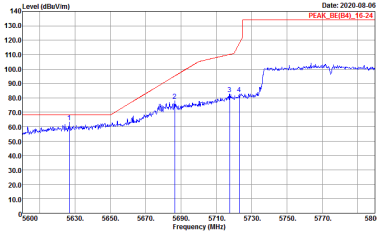
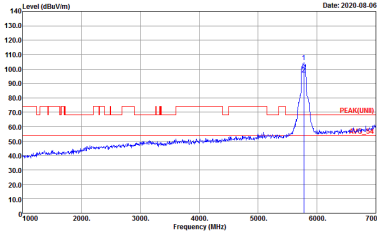
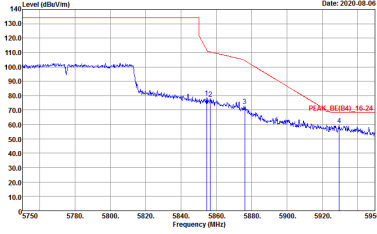
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                    |
| 1+2  | Vertical                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                        |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(84)_16-24 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p> | Left blank                                                                                                                                                                                                                                         |



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

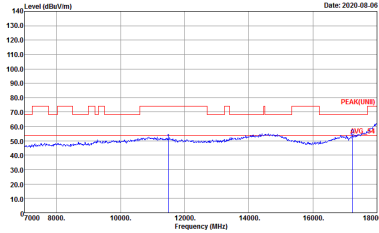
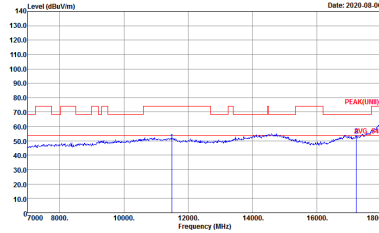
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                         |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                      | Fundamental                                                                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p>   |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p> |
| Peak |  <p>Site : 03CH16-HY<br/>Condition : PEAK_BE(B4)_16-24 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p> | Left blank                                                                                                                                                                                                                                                              |



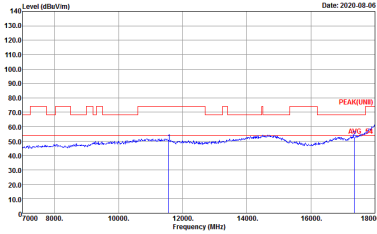
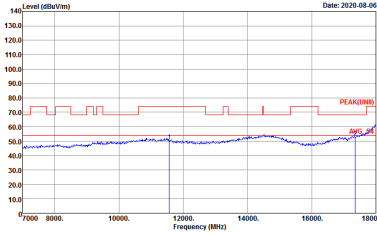
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                         |                                                                                                                                                                                                                                    |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                                               |                                                                                                                                                                                                                                    |
| 1+2  | Vertical                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p></div>   | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p></div> |
| Peak | <div><p>Site : 03CH16-HY<br/>Condition : PEAK_BE(04)_16-24 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p></div> | Left blank                                                                                                                                                                                                                         |



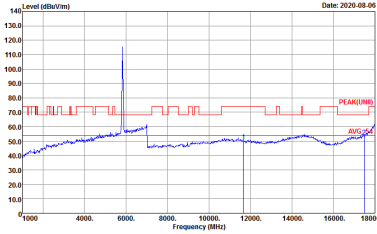
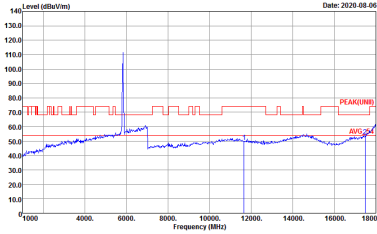
Band 4 - 5725~5850MHz  
WIFI 802.11ac VHT20 (Harmonic @ 3m)

| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                     |                                                                                                                                                                                                      |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH149 5745MHz                                                                                                                                                                          |                                                                                                                                                                                                      |
| 1+2          | Horizontal                                                                                                                                                                                            | Vertical                                                                                                                                                                                             |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UWB) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UWB) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |



| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                |                                                                                                                                                                                                                 |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH157 5785MHz                                                                                                                                                                                     |                                                                                                                                                                                                                 |
| 1+2          | Horizontal                                                                                                                                                                                                       | Vertical                                                                                                                                                                                                        |
| Peak<br>Avg. | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p></div> |
|              |                                                                                                                                                                                                                  |                                                                                                                                                                                                                 |

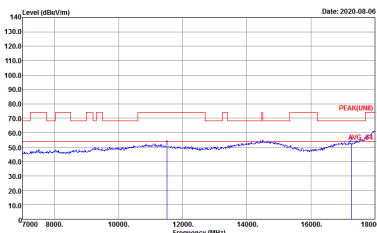
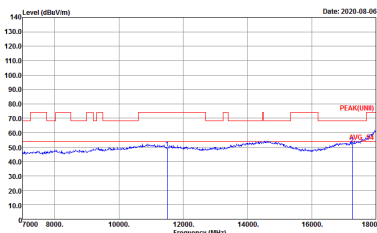


| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                              |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT20 CH165 5825MHz                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                              |
| 1+2          | Horizontal                                                                                                                                                                                                                                                    | Vertical                                                                                                                                                                                                                                                     |
| Peak<br>Avg. | <div><p>Site : 03CH16-HV<br/>Condition : PEAK[UNII] 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HV<br/>Condition : PEAK[UNII] 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |

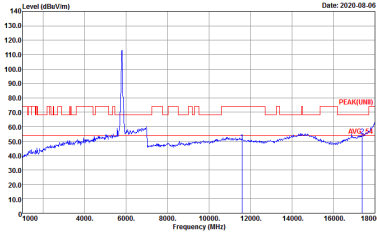
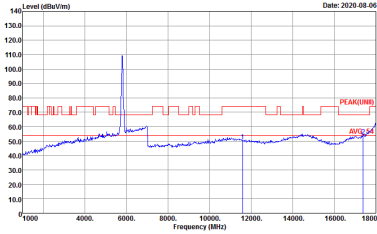




Band 4 5725~5850MHz  
WIFI 802.11ac VHT40 (Harmonic @ 3m)

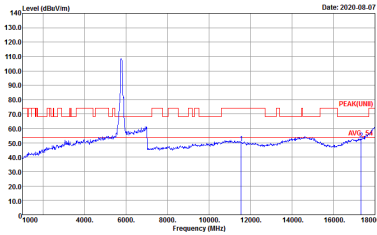
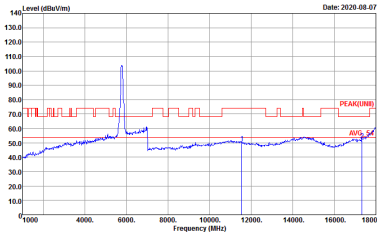
| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                          |                                                                                                                                                                                                                                           |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT40 CH151 5755MHz                                                                                                                                                                                                               |                                                                                                                                                                                                                                           |
| 1+2          | Horizontal                                                                                                                                                                                                                                 | Vertical                                                                                                                                                                                                                                  |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto<br/>Project : 070601</p> |



| WIFI         | Band 4 5725~5850MHz Harmonic @ 3m                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                              |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT40 CH159 5795MHz                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                              |
| 1+2          | Horizontal                                                                                                                                                                                                                                                    | Vertical                                                                                                                                                                                                                                                     |
| Peak<br>Avg. | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> | <div><p>Site : 03CH16-HY<br/>Condition : PEAK(UNII) 3m 91200_1522 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto<br/>Detector : Peak<br/>Project : 070601</p></div> |
|              |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                              |

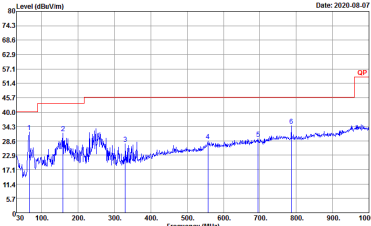
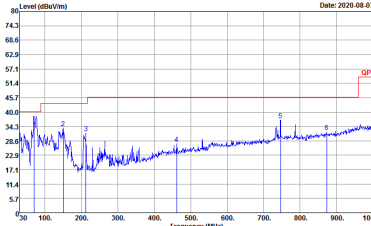


Emission above 18GHz  
5GHz WIFI 802.11ac VHT80 (SHF)

| WIFI         | Band 4 5725~5850MHz (SHF)                                                                                                                                                                                                 |                                                                                                                                                                                                                          |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 CH155 5775MHz                                                                                                                                                                                              |                                                                                                                                                                                                                          |
| 1+2          | Horizontal                                                                                                                                                                                                                | Vertical                                                                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p> |  <p>Site : 03CH16-HY<br/>Condition : PEAK(UNIT) 3m 91200_1522 VERTICAL<br/>Detector : Peak<br/>Project : 070601<br/>Setting : 18.5</p> |



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

| WIFI         | 5GHz WIFI                                                                                                                                                                                          |                                                                                                                                                                                                   |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | 802.11ac VHT80 LF                                                                                                                                                                                  |                                                                                                                                                                                                   |
| 1+2          | Horizontal                                                                                                                                                                                         | Vertical                                                                                                                                                                                          |
| QP /<br>Peak |  <p>Site : 03CH16-HY<br/>Condition : QP 3m BTL06_47020406 HORIZONTAL<br/>Detector : Peak<br/>Project : 070601</p> |  <p>Site : 03CH16-HY<br/>Condition : QP 3m BTL06_47020406 VERTICAL<br/>Detector : Peak<br/>Project : 070601</p> |
|              |                                                                                                                                                                                                    |                                                                                                                                                                                                   |

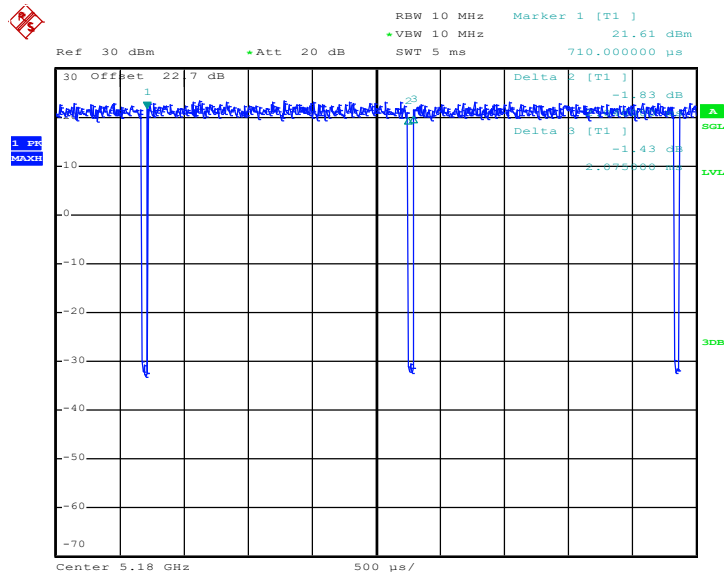
## Appendix D. Duty Cycle Plots

| Antenna | Band                           | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting | Duty Factor(dB) |
|---------|--------------------------------|---------------|-------|----------|-------------|-----------------|
| 1       | 802.11a                        | 98.31         | -     | -        | 10Hz        | 0.07            |
| 2       | 802.11a                        | 97.84         | 2035  | 0.49     | 1kHz        | 0.09            |
| 1+2     | 802.11a for Ant. 1             | 97.84         | 2035  | 0.49     | 1kHz        | 0.09            |
| 1+2     | 802.11a for Ant. 2             | 97.84         | 2040  | 0.49     | 1kHz        | 0.09            |
| 1       | 5GHz 802.11ac VHT20            | 97.95         | 1910  | 0.52     | 1kHz        | 0.09            |
| 2       | 5GHz 802.11ac VHT20            | 97.95         | 1910  | 0.52     | 1kHz        | 0.09            |
| 1+2     | 5GHz 802.11ac VHT20 for Ant. 1 | 97.69         | 1905  | 0.52     | 1kHz        | 0.10            |
| 1+2     | 5GHz 802.11ac VHT20 for Ant. 2 | 97.69         | 1900  | 0.53     | 1kHz        | 0.10            |
| 1       | 5GHz 802.11ac VHT40            | 96.43         | 945   | 1.06     | 3kHz        | 0.16            |
| 2       | 5GHz 802.11ac VHT40            | 95.41         | 935   | 1.07     | 3kHz        | 0.20            |
| 1+2     | 5GHz 802.11ac VHT40 for Ant. 1 | 95.92         | 940   | 1.06     | 3kHz        | 0.18            |
| 1+2     | 5GHz 802.11ac VHT40 for Ant. 2 | 95.90         | 935   | 1.07     | 3kHz        | 0.18            |
| 1       | 5GHz 802.11ac VHT80            | 92.68         | 456   | 2.19     | 3kHz        | 0.33            |
| 2       | 5GHz 802.11ac VHT80            | 91.94         | 456   | 2.19     | 3kHz        | 0.36            |
| 1+2     | 5GHz 802.11ac VHT80 for Ant. 1 | 91.94         | 456   | 2.19     | 3kHz        | 0.36            |
| 1+2     | 5GHz 802.11ac VHT80 for Ant. 2 | 91.87         | 452   | 2.21     | 3kHz        | 0.37            |



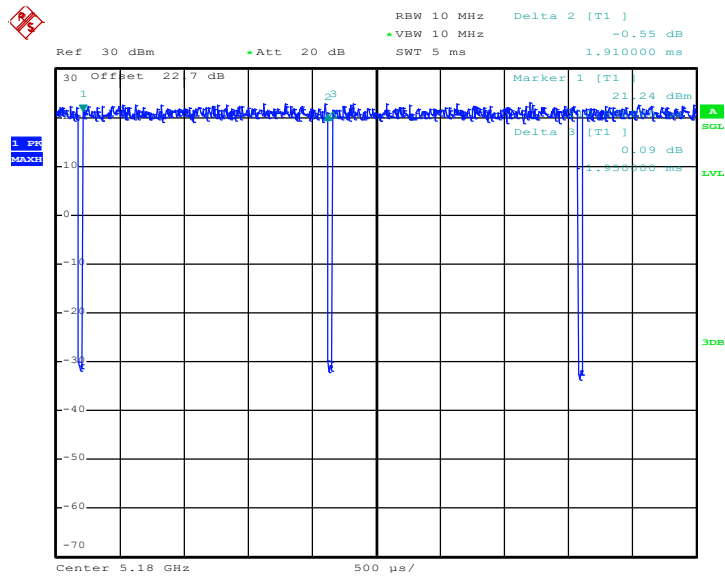
<Ant. 1>

802.11a



Date: 18.JUL.2020 00:26:30

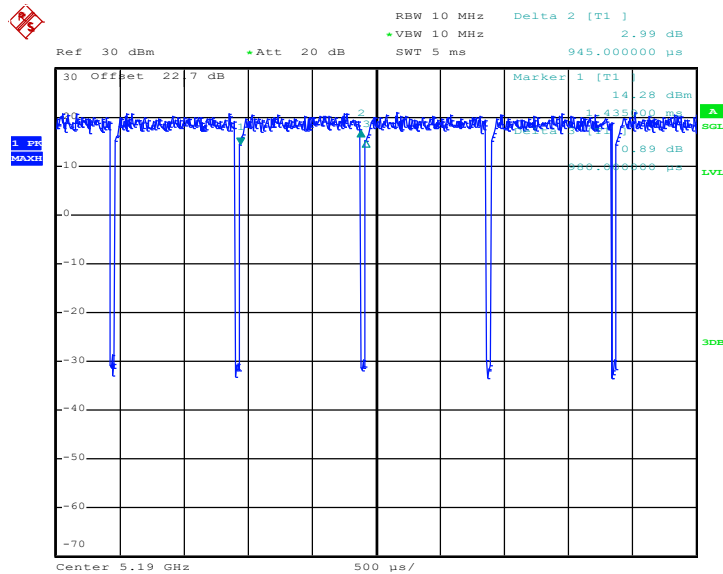
802.11ac VHT20



Date: 18.JUL.2020 00:37:38

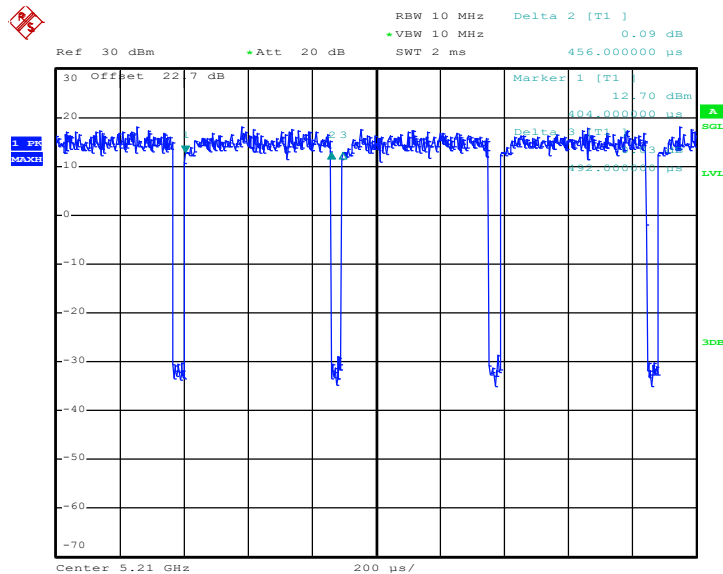


802.11ac VHT40

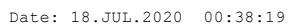
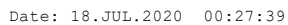


Date: 18.JUL.2020 00:41:01

802.11ac VHT80



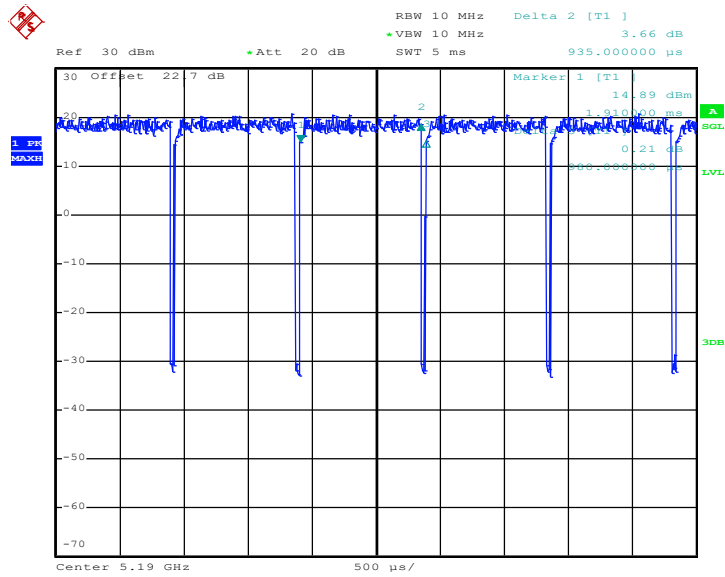
Date: 18.JUL.2020 00:44:34





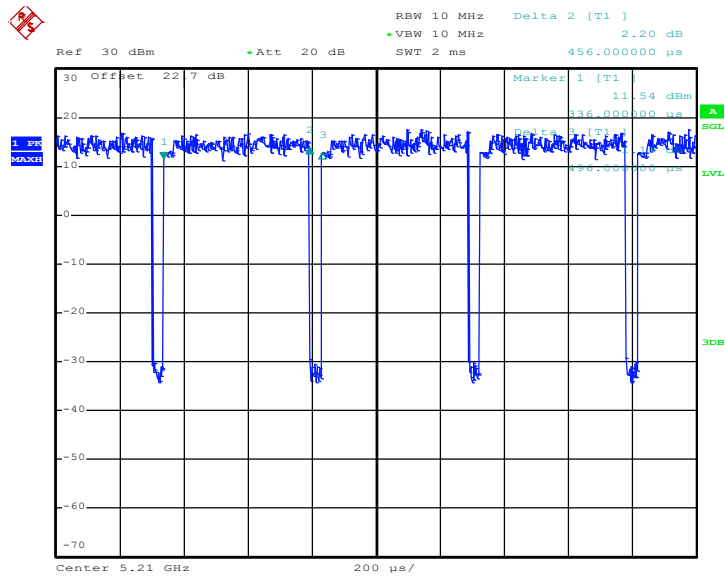


802.11ac VHT40



Date: 18.JUL.2020 00:41:48

802.11ac VHT80

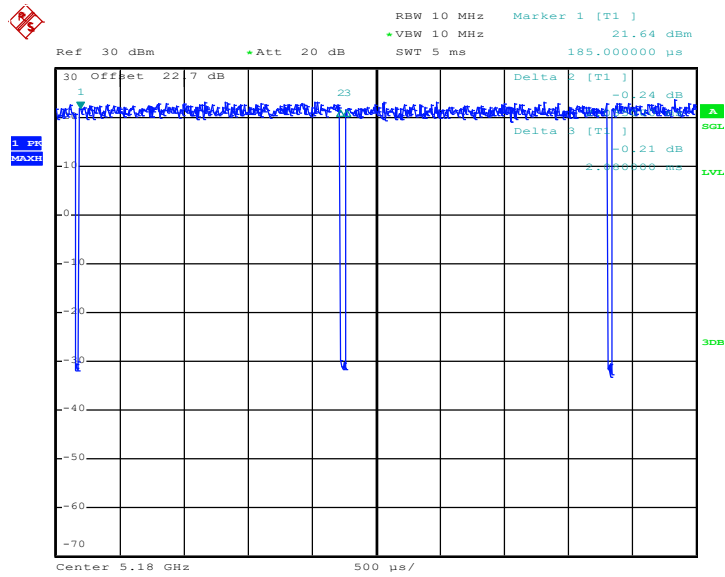


Date: 18.JUL.2020 00:45:24



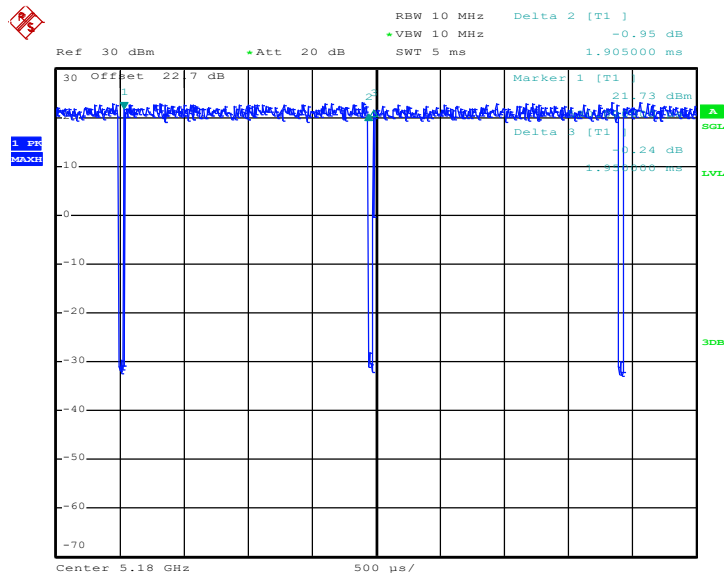
MIMO <Ant. 1>

802.11a



Date: 18.JUL.2020 00:28:30

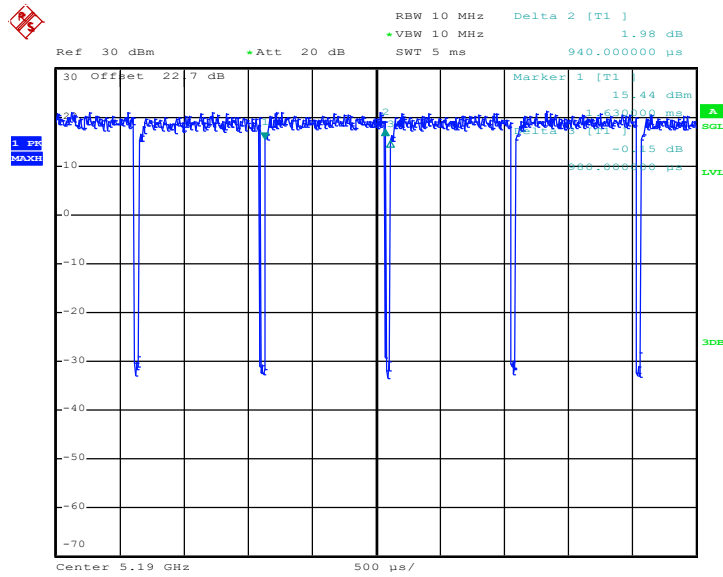
802.11ac VHT20



Date: 18.JUL.2020 00:39:04

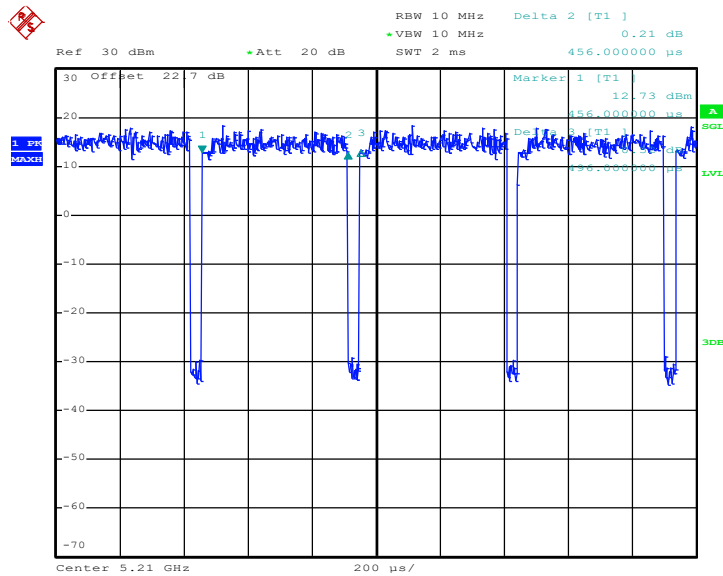


802.11ac VHT40



Date: 18.JUL.2020 00:42:36

802.11ac VHT80

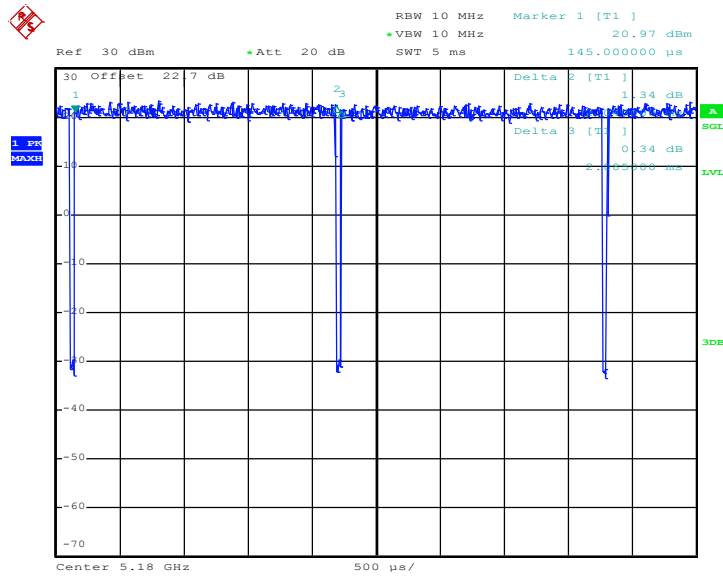


Date: 18.JUL.2020 00:46:10



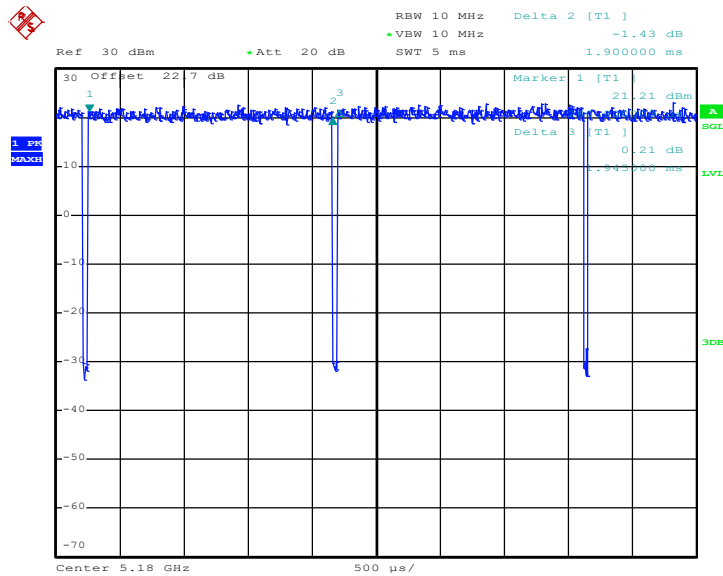
MIMO <Ant. 2>

802.11a



Date: 18.JUL.2020 00:29:29

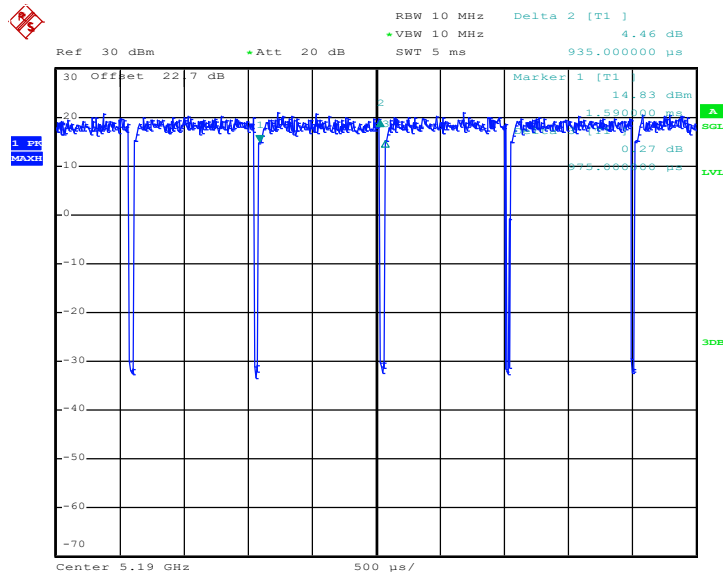
802.11ac VHT20



Date: 18.JUL.2020 00:39:52

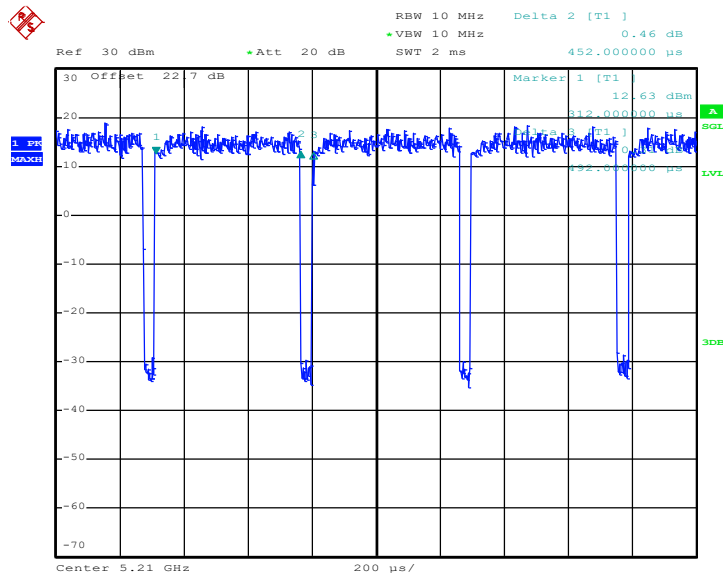


802.11ac VHT40



Date: 18.JUL.2020 00:43:14

802.11ac VHT80



Date: 18.JUL.2020 00:47:00