



# FCC RADIO TEST REPORT

**FCC ID** : 2AVDZCM27  
**Equipment** : IEEE 802.11 2X2 MIMO a/b/g/n/ac Wireless LAN +  
Bluetooth + NFC NGFF Module  
**Brand Name** : LiveU, Inc.  
**Model Name** : AW-CM276NF  
**Applicant** : LiveU, Inc  
2 University Plaza Drive Suite 505, Hackensack,  
New Jersey  
**Manufacturer** : LiveU, Inc  
5 Hagavish St, Kfar Saba 4442211, Israel  
**Standard** : FCC Part 15 Subpart E §15.407

The product was received on Jul. 01, 2022 and testing was performed from Jul. 08, 2022 to Jul. 23, 2025. We, Sporton International (USA) Inc., 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 partial report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc., the test report shall not be reproduced except in full.

Approved by: Neil Kao

**Sporton International (USA) Inc.**  
1175 Montague Expressway, Milpitas, CA 95035



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## History of this test report

| Report No.   | Version | Description                                                                                                                        | Issue Date    |
|--------------|---------|------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FR220617002E | 01      | Initial issue of report                                                                                                            | Aug. 20, 2025 |
| FR220617002E | 02      | Revised Product Feature of Equipment Under Test<br>This report is an updated version, replacing the report issued on Aug. 20, 2025 | Oct. 16, 2025 |
|              |         |                                                                                                                                    |               |
|              |         |                                                                                                                                    |               |
|              |         |                                                                                                                                    |               |
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|              |         |                                                                                                                                    |               |
|              |         |                                                                                                                                    |               |
|              |         |                                                                                                                                    |               |

## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                     | Result (PASS/FAIL) | Remark |
|---------------|-----------------|--------------------------------|--------------------|--------|
| 3.1           | 15.407(a)       | Maximum Conducted Output Power | Pass               | -      |
| 3.2           | 15.407(b)       | Unwanted Emissions             | Pass               | -      |
| 3.3           | 15.207          | AC Conducted Emission          | Pass               | -      |
| 3.4           | 15.203          | Antenna Requirement            | Pass               | -      |

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

**Reviewed by: Leon Huang**

**Report Producer: : Yuri Huang**

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Specification is subject to this standard                                        |                 |                                    |
|------------------------------------------------------------------------------------------|-----------------|------------------------------------|
| <b>General Specs</b><br>Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, and Wi-Fi 5GHz 802.11a/n/ac |                 |                                    |
| <b>Antenna Type</b>                                                                      |                 |                                    |
| <b>WLAN</b>                                                                              |                 |                                    |
| <Ant. 1>: PCB printed antenna inverted F                                                 |                 |                                    |
| <Ant. 2>: PCB printed antenna inverted F                                                 |                 |                                    |
| <b>Bluetooth</b>                                                                         |                 |                                    |
| <Ant. 2>: PCB printed antenna inverted F                                                 |                 |                                    |
| Antenna information                                                                      |                 |                                    |
| 5725 MHz ~ 5850 MHz                                                                      | Peak Gain (dBi) | Ant 1: 3.95:dBi<br>Ant 2: 3.45:dBi |

**Remark:** The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

### 1.1.1 Antenna Directional Gain

#### <For CDD Mode>

Follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)ii)

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

For power measurements on IEEE 802.11 devices,

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

$G_{ANT}$  is set equal to the gain of the antenna having the highest gain.

For PSD measurements, the directional gain calculation.

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

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.

As minimum  $N_{SS}=1$  is supported by EUT, the formula can be simplified as:

Directional gain =  $10 \cdot \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$  dBi

Where  $G_1, G_2, \dots, G_N$  denote single antenna gain.

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

|                |              |              | <b>DG</b>    | <b>Power</b>     |
|----------------|--------------|--------------|--------------|------------------|
|                |              |              | <b>for</b>   | <b>Limit</b>     |
|                | <b>Ant 1</b> | <b>Ant 2</b> | <b>Power</b> | <b>Reduction</b> |
|                | <b>(dBi)</b> | <b>(dBi)</b> | <b>(dBi)</b> | <b>(dB)</b>      |
| <b>Band IV</b> | 3.95         | 3.45         | 3.95         | 0.00             |

Calculation example:

If a device has two antenna,  $G_{ANT1}= 3.95\text{dBi}$ ;  $G_{ANT2}=3.45\text{dBi}$

Directional gain of power measurement =  $\max(3.95, 3.45) + 0 = 3.95$  dBi

Power limit reduction = Composite gain – 6dBi, ( min = 0 )



## 1.2 Modification of EUT

No modifications made to the EUT during the testing.

## 1.3 Testing Location

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| <b>Test Site</b>          | Sporton International (USA) Inc.                                  |
| <b>Test Site Location</b> | 1175 Montague Expressway, Milpitas, CA 95035<br>TEL : 408 9043300 |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b><br>TH01-CA, 03CH02-CA, CO01-CA            |

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

FCC Designation No.: US 1250

## 1.4 Applicable Standards

According to the specifications declared by 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 the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

## 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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported 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.<br>(MHz) | Channel | Freq.<br>(MHz) |
|--------------------------------------|---------|----------------|---------|----------------|
| 5725-5850 MHz<br>Band 4<br>(U-NII-3) | 149     | 5745           | 157     | 5785           |
|                                      | 151*    | 5755           | 159*    | 5795           |
|                                      | 153     | 5765           | 161     | 5805           |
|                                      | 155#    | 5775           | 165     | 5825           |

**Note:**

1. The above Frequency and Channel with "\*" are 802.11n HT40 and 802.11ac VHT40
2. The above Frequency and Channel with "#" are 802.11ac VHT80

## 2.2 Test Mode

The SISO mode conducted power is covered by MIMO mode per chain, so only the MIMO mode is tested.

The final test modes include the worst data rates for each modulation shown in the table below.

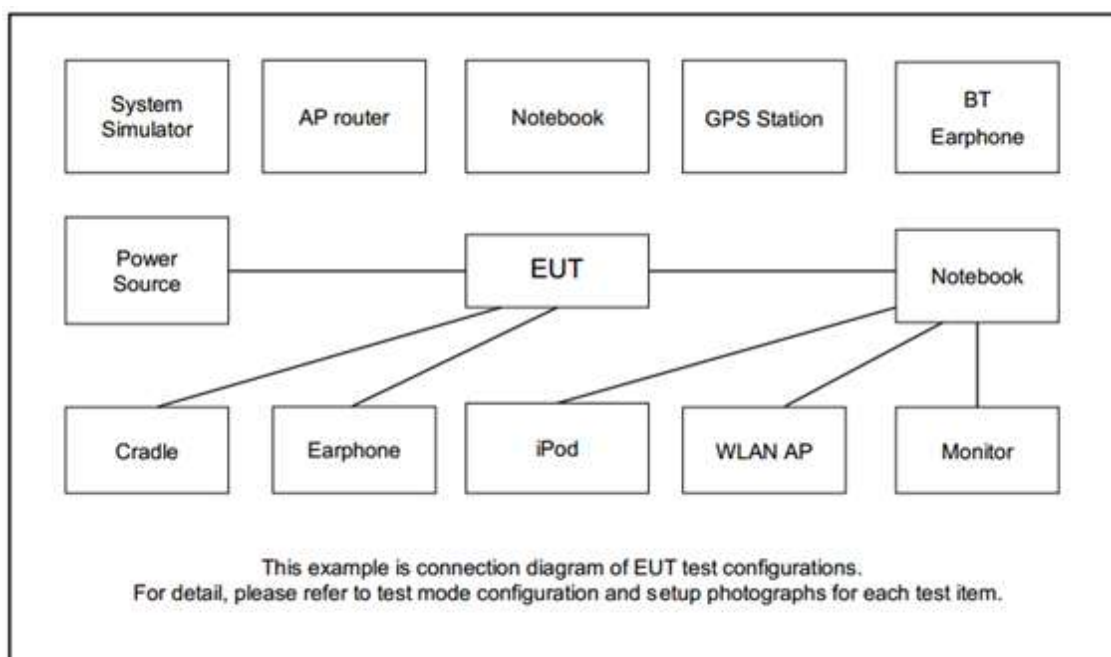
### MIMO Mode

| Modulation     | Data Rate |
|----------------|-----------|
| 802.11a        | 6 Mbps    |
| 802.11ac VHT20 | MCS0      |
| 802.11ac VHT40 | MCS0      |
| 802.11ac VHT80 | MCS0      |

**Remark:** The conducted power level of each chain in MIMO mode is equal or higher than SISO mode.

| Test Cases                                                                     |                    |
|--------------------------------------------------------------------------------|--------------------|
| AC<br>Conducted<br>Emission                                                    | Mode 1: WLAN 5G TX |
| <b>Remark:</b><br>1. The detailed Radiated test modes are shown in Appendix C. |                    |

## 2.3 Connection Diagram of Test System



## 2.4 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model Name     | FCC ID | Data Cable | Power Cord |
|------|-----------|------------|----------------|--------|------------|------------|
| 1.   | Laptop    | Acer       | Altos PS548-G1 | N/A    | N/A        | N/A        |

**Remark:** Applicant has ensured support unit would not be attached with the product on the market, support unit is provided by lab for testing.

## 2.5 EUT Operation Test Setup

The RF test items, utility “PuTTY Release 0.62 & Labtool” was installed in Laptop 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.

### 3 Test Result

#### 3.1 Maximum Conducted Output Power Measurement

##### 3.1.1 Limit of Maximum Conducted Output Power

For the band 5.725–5.85 GHz bands:

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.

##### 3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

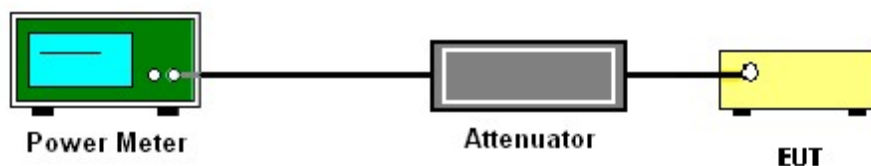
##### 3.1.3 Test Procedures

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.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.

## 3.2 Unwanted Emissions Measurement

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

### 3.2.1 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 falls 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.

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

| 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.

### 3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

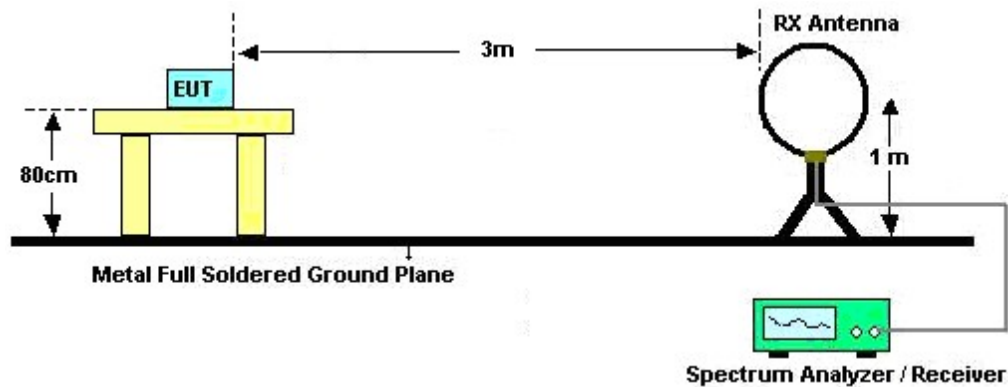
### 3.2.3 Test Procedures

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 1000 MHz
  - RBW = 120 kHz
  - VBW = 300 kHz
  - Detector = Peak
  - Trace mode = max hold(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz
  - RBW = 1 MHz
  - VBW  $\geq$  3 MHz
  - Detector = Peak
  - Sweep time = auto
  - Trace mode = max hold(3) Procedures for Average Unwanted Emissions Measurements Above 1000 MHz
  - RBW = 1 MHz
  - VBW = 10 Hz, when duty cycle is no less than 98 percent.
  - VBW  $\geq 1/T$ , when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
2. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is 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 is 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.

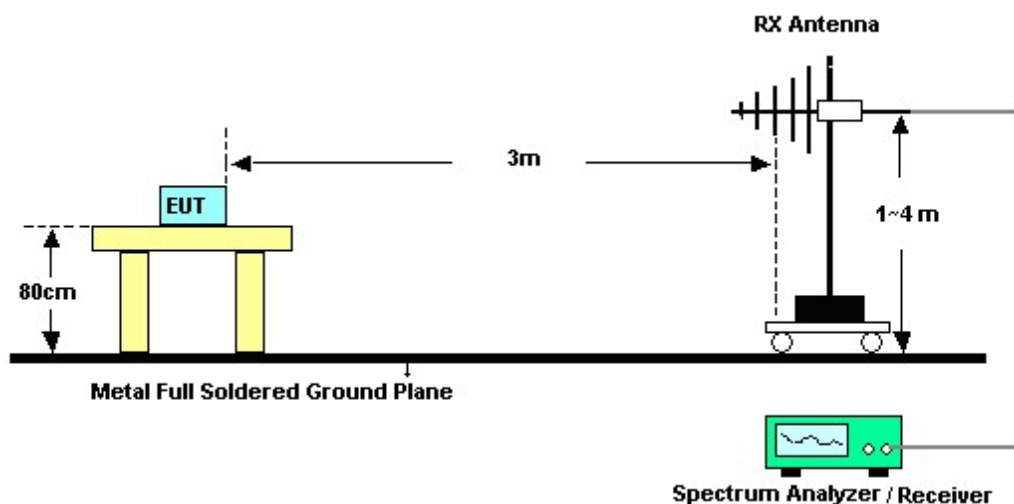
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

### 3.2.4 Test Setup

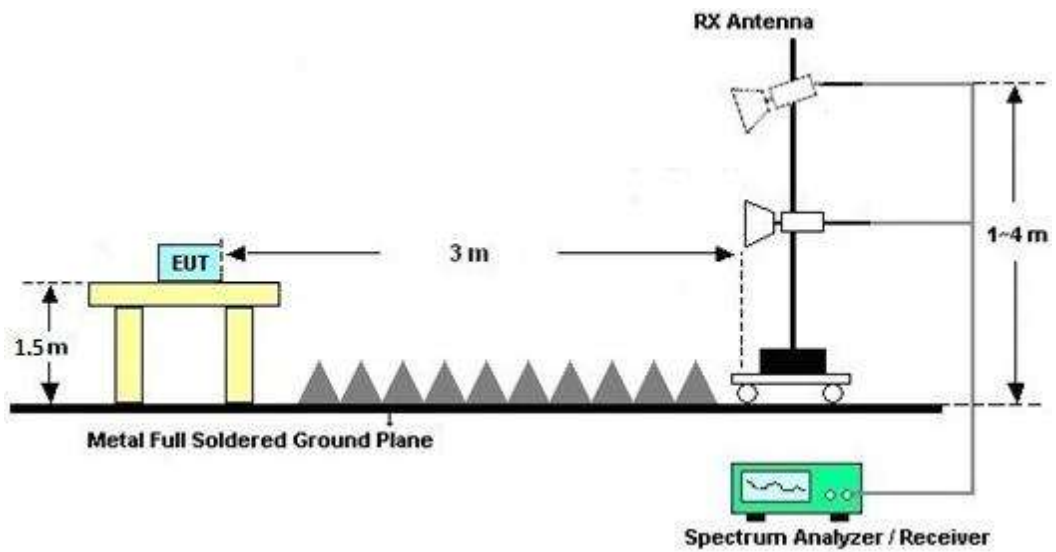
**For radiated emissions below 30MHz**



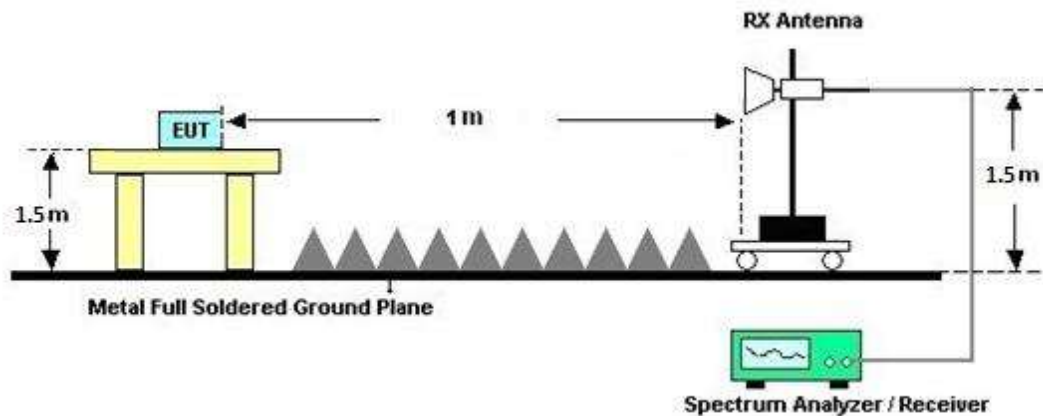
**For radiated emissions from 30MHz to 1GHz**



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz





### **3.2.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)**

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

There is adequate comparison measurement 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.

### **3.2.6 Test Result of Radiated Spurious at Band Edges**

Please refer to Appendix C.

### **3.2.7 Duty Cycle**

Please refer to Appendix D.

### **3.2.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic)**

Please refer to Appendix C.

### 3.3 AC Conducted Emission Measurement

#### 3.3.1 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.

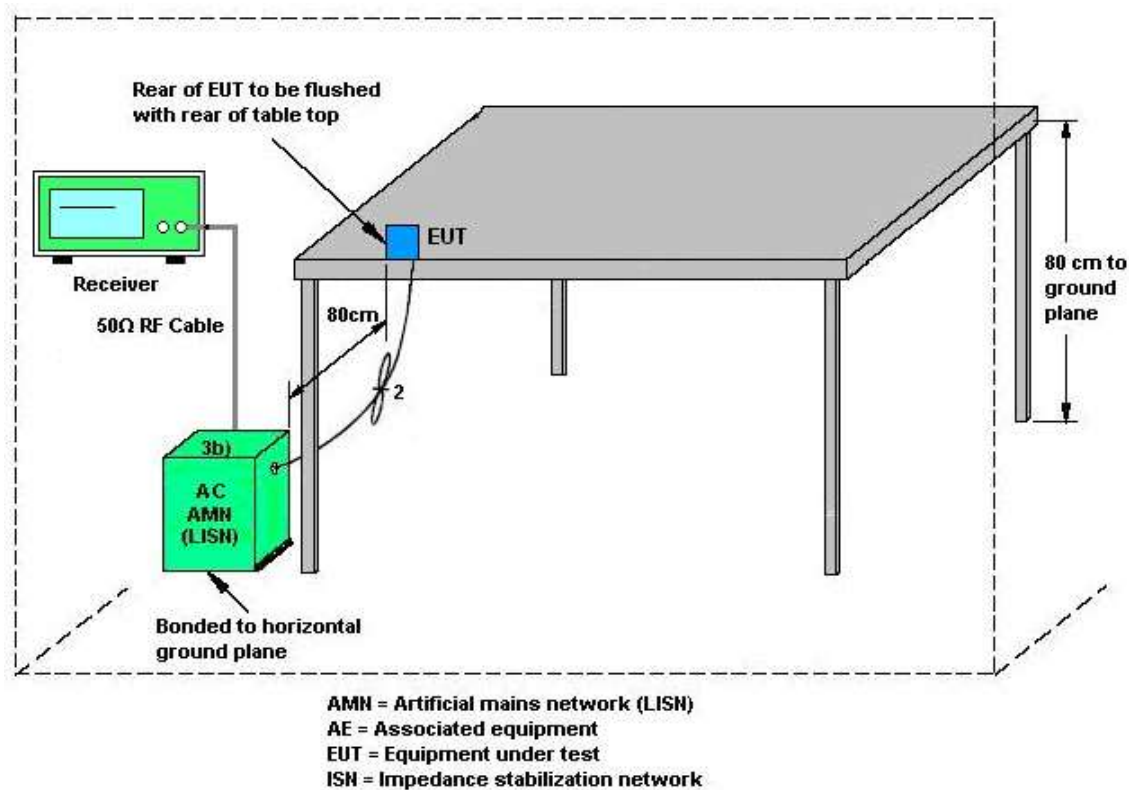
#### 3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

#### 3.3.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

### 3.3.4 Test Setup



### 3.3.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

## 3.4 Antenna Requirements

### 3.4.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

### 3.4.2 Antenna Anti-Replacement Construction

Antenna permanently attached.



## 4 List of Measuring Equipment

| Instrument                          | Brand Name     | Model No.      | Serial No.     | Characteristics | Calibration Date | Test Date     | Due Date      | Remark               |
|-------------------------------------|----------------|----------------|----------------|-----------------|------------------|---------------|---------------|----------------------|
| Hygrometer                          | Testo          | 608-H1         | 45141354       | N/A             | Jul.30, 2021     | Jul.08.2022   | Jul.29, 2022  | Conducted (TH01-CA)  |
| Power Sensor                        | DARE!!         | RPR3006W       | RPR6W-1901024  | 10MHz-8GHz      | May. 10, 2022    | Jul.08.2022   | May. 09, 2023 | Conducted (TH01-CA)  |
| Switch Box                          | EM Electronics | EMSW26         | 1090304        | N/A             | Mar. 30, 2022    | Jul.08.2022   | Mar. 29, 2023 | Conducted (TH01-CA)  |
| LISN                                | TESEQ          | NNB51          | 47415          | N/A             | Aug. 14,2024     | Jul. 23, 2025 | Aug. 13,2025  | Conduction (CO01-CA) |
| LISN                                | TESEQ          | NNB51          | 47407          | N/A             | Apr 15, 2025     | Jul. 23, 2025 | Apr. 14, 2026 | Conduction (CO01-CA) |
| EMI Test Receiver                   | R&S            | ESR7           | 102177         | 9kHz~7GHz       | Apr. 15, 2025    | Jul. 23, 2025 | Apr. 14, 2026 | Conduction (CO01-CA) |
| Pulse limiter with 10dB attenuation | R&S            | VTSD 9561-F N  | 9561-F-N00412  | N/A             | Jun. 03, 2025    | Jul. 23, 2025 | Jun. 02, 2026 | Conduction (CO01-CA) |
| LISN Cable                          | HUBER+SUHNER   | RG-214/U       | LISN cable -01 | N/A             | Jun. 03, 2025    | Jul. 23, 2025 | Jun. 02, 2026 | Conduction (CO01-CA) |
| Test Software                       | R&S            | EMC32 V10.30.0 | N/A            | N/A             | N/A              | Jul. 23, 2025 | N/A           | Conduction (CO01-CA) |



| Instrument           | Brand Name       | Model No.                          | Serial No.                                      | Characteristics             | Calibration Date | Test Date                       | Due Date      | Remark                   |
|----------------------|------------------|------------------------------------|-------------------------------------------------|-----------------------------|------------------|---------------------------------|---------------|--------------------------|
| Bilog Antenna        | TESEQ            | 6111D                              | 50392                                           | 30MHz~1GHz                  | Aug.13, 2024     | Jul. 01, 2025~<br>Jul. 16, 2025 | Aug. 12, 2025 | Radiation<br>(03CH02-CA) |
| Bilog Antenna        | TESEQ            | 6111D                              | 50392                                           | 30MHz~1GHz                  | Sep.05, 2023     | Jun. 25, 2024~<br>Sep. 03, 2024 | Sep. 04, 2024 | Radiation<br>(03CH02-CA) |
| Bilog Antenna        | TESEQ            | 6111D                              | 50392                                           | 30MHz~1GHz                  | Aug.13, 2024     | Sep. 04, 2024~<br>Oct. 02, 2024 | Aug. 12, 2025 | Radiation<br>(03CH02-CA) |
| Horn Antenna         | SCHWARZBEC<br>K  | BBHA 9170D                         | 00842                                           | 18GHz~40GHz                 | Aug. 19,<br>2024 | Jul. 01, 2025~<br>Jul. 16, 2025 | Aug. 18, 2025 | Radiation<br>(03CH02-CA) |
| Horn Antenna         | SCHWARZBEC<br>K  | BBHA 9170D                         | 00842                                           | 18GHz~40GHz                 | Aug. 19,<br>2024 | Sep. 30, 2024                   | Aug. 18, 2025 | Radiation<br>(03CH02-CA) |
| Horn Antenna         | SCHWARZBEC<br>K  | BBHA 9120D                         | 02140                                           | 1GHz~18GHz                  | Jan. 29, 2024    | Jun. 25, 2024~<br>Oct. 02, 2024 | Jan. 28, 2025 | Radiation<br>(03CH02-CA) |
| Amplifier            | SONOMA           | 310N                               | 372240                                          | N/A                         | Apr.14, 2025     | Jul. 01, 2025~<br>Jul. 16, 2025 | Apr. 13, 2026 | Radiation<br>(03CH02-CA) |
| Preamplifier         | Keysight         | 83017A                             | MY532703<br>23                                  | 1GHz~26.5GHz                | Apr. 24, 2024    | Jun. 25, 2024~<br>Oct. 02, 2024 | Apr. 23, 2025 | Radiation<br>(03CH02-CA) |
| Preamplifier         | E-instrument     | ERA-100M-<br>18G-56-01-<br>A70     | EC190025<br>1                                   | 1GHz~18GHz                  | Apr. 24, 2024    | Jun. 25, 2024~<br>Oct. 02, 2024 | Apr. 23, 2025 | Radiation<br>(03CH02-CA) |
| Preamplifier         | EMEC             | EMC18G40G                          | 060726                                          | 18GHz~40GHz                 | Apr.04, 2024     | Sep. 30, 2024                   | Apr. 03, 2025 | Radiation<br>(03CH02-CA) |
| Preamplifier         | EMEC             | EMC18G40G                          | 060726                                          | 18GHz~40GHz                 | Apr. 15, 2025    | Jul. 01, 2025~<br>Jul. 16, 2025 | Apr. 14, 2026 | Radiation<br>(03CH02-CA) |
| RF Cable             | HUBER+SUHNE<br>R | SUCOFLEX<br>102                    | 804209/2,<br>802406/2,<br>802875/2,<br>802952/2 | N/A                         | Oct. 10, 2024    | Jul. 01, 2025~<br>Jul. 16, 2025 | Oct. 09, 2025 | Radiation<br>(03CH02-CA) |
| RF Cable             | HUBER+SUHNE<br>R | SUCOFLEX<br>102                    | 804209/2,<br>802406/2,<br>802875/2,<br>802952/2 | N/A                         | Oct. 13, 2023    | Jun. 25, 2024~<br>Oct. 02, 2024 | Oct. 12, 2024 | Radiation<br>(03CH02-CA) |
| Spectrum<br>Analyzer | Keysight         | N9010A                             | MY574202<br>21                                  | 10Hz~44GHz                  | Aug. 14, 2024    | Jul. 01, 2025~<br>Jul. 16, 2025 | Aug. 13, 2025 | Radiation<br>(03CH02-CA) |
| Spectrum<br>Analyzer | Keysight         | N9010A                             | MY574202<br>21                                  | 10Hz~44GHz                  | Aug. 30, 2023    | Jun. 25, 2024~<br>Aug. 13, 2024 | Aug. 29, 2024 | Radiation<br>(03CH02-CA) |
| Spectrum<br>Analyzer | Keysight         | N9010A                             | MY574202<br>21                                  | 10Hz~44GHz                  | Aug. 14, 2024    | Aug. 14, 2024~<br>Oct. 02, 2024 | Aug. 13, 2025 | Radiation<br>(03CH02-CA) |
| Filter               | Wainwright       | WLK12-1200-<br>1272-11000-<br>40SS | SN2                                             | 1.2GHz Low<br>Pass Filter   | Jun. 03, 2025    | Jul. 01, 2025~<br>Jul. 16, 2025 | Jun. 02, 2026 | Radiation<br>(03CH02-CA) |
| Filter               | WOKEN            | WFIL-H6750-<br>18000F              | WR67BW<br>C6B1                                  | 6.75GHz High<br>Pass Filter | Jun. 04, 2024    | Jun. 25, 2024~<br>Oct. 02, 2024 | Jun. 03, 2025 | Radiation<br>(03CH02-CA) |
| Hygrometer           | TESEO            | 608-H1                             | 45142602                                        | N/A                         | Aug. 14, 2024    | Jul. 01, 2025~<br>Jul. 16, 2025 | Aug. 13, 2025 | Radiation<br>(03CH02-CA) |
| Hygrometer           | TESEO            | 608-H1                             | 45142602                                        | N/A                         | Aug. 30, 2023    | Jun. 25, 2024~<br>Aug. 13, 2024 | Aug. 29, 2024 | Radiation<br>(03CH02-CA) |
| Hygrometer           | TESEO            | 608-H1                             | 45142602                                        | N/A                         | Aug. 14, 2024    | Aug. 14, 2024~<br>Oct. 02, 2024 | Aug. 13, 2025 | Radiation<br>(03CH02-CA) |
| Controller           | ChainTek         | EM-1000                            | 060876                                          | NA                          | N/A              | Jun. 25, 2024~<br>Jul. 16, 2025 | N/A           | Radiation<br>(03CH02-CA) |
| Antenna Mast         | ChainTek         | MBS-520-1                          | N/A                                             | 1m~4m                       | N/A              | Jun. 25, 2024~<br>Jul. 16, 2025 | N/A           | Radiation<br>(03CH02-CA) |
| Turn Table           | ChainTek         | T-200-S-1                          | N/A                                             | 0~360 Degree                | N/A              | Jun. 25, 2024~<br>Jul. 16, 2025 | N/A           | Radiation<br>(03CH02-CA) |
| Software             | Audix            | E3                                 | N/A                                             | N/A                         | N/A              | Jun. 25, 2024~<br>Jul. 16, 2025 | N/A           | Radiation<br>(03CH02-CA) |

## 5 Measurement Uncertainty

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

|                                                                             |        |
|-----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2U_c(y)$ ) | 3.9 dB |
|-----------------------------------------------------------------------------|--------|

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

|                                                                             |        |
|-----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2U_c(y)$ ) | 5.1 dB |
|-----------------------------------------------------------------------------|--------|

### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

|                                                                             |        |
|-----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2U_c(y)$ ) | 5.3 dB |
|-----------------------------------------------------------------------------|--------|

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

|                                                                             |        |
|-----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2U_c(y)$ ) | 4.6 dB |
|-----------------------------------------------------------------------------|--------|

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

| Band IV MIMO |           |     |     |             |                               |       |       |                                 |       |          |       |           |
|--------------|-----------|-----|-----|-------------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|-----------|
| 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     | 2   | 149 | 5745        | 19.58                         | 19.40 | 22.50 | 30.00                           |       | 3.95     |       | Pass      |
| 11a          | 6Mbps     | 2   | 157 | 5785        | 19.39                         | 19.24 | 22.33 | 30.00                           |       | 3.95     |       | Pass      |
| 11a          | 6Mbps     | 2   | 165 | 5825        | 19.21                         | 19.08 | 22.16 | 30.00                           |       | 3.95     |       | Pass      |
| VHT20        | MCS0      | 2   | 149 | 5745        | 19.86                         | 19.62 | 22.75 | 30.00                           |       | 3.95     |       | Pass      |
| VHT20        | MCS0      | 2   | 157 | 5785        | 19.92                         | 19.62 | 22.78 | 30.00                           |       | 3.95     |       | Pass      |
| VHT20        | MCS0      | 2   | 165 | 5825        | 19.71                         | 19.44 | 22.59 | 30.00                           |       | 3.95     |       | Pass      |
| VHT40        | MCS0      | 2   | 151 | 5755        | 19.80                         | 19.66 | 22.74 | 30.00                           |       | 3.95     |       | Pass      |
| VHT40        | MCS0      | 2   | 159 | 5795        | 18.67                         | 18.61 | 21.65 | 30.00                           |       | 3.95     |       | Pass      |
| VHT80        | MCS0      | 2   | 155 | 5775        | 14.71                         | 14.85 | 17.79 | 30.00                           |       | 3.95     |       | Pass      |



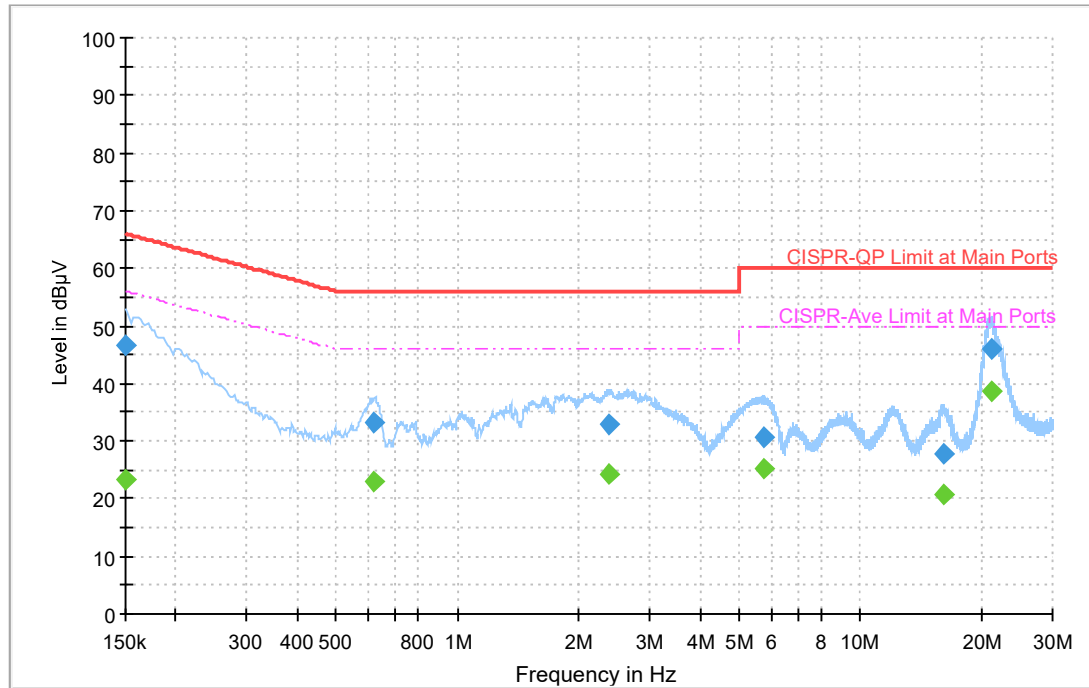
## **Appendix B. AC Conducted Emission Test Results**

|                        |          |                            |              |
|------------------------|----------|----------------------------|--------------|
| <b>Test Engineer :</b> | Jin Peng | <b>Temperature :</b>       | 21.2 ~ 23.1℃ |
|                        |          | <b>Relative Humidity :</b> | 42.1 ~ 43.9% |

## EUT Information

Test Site Location : CO01-CA  
 Project : 220617002  
 Power: 120Vac/60Hz  
 Mode : 2  
 Line

Full Spectrum



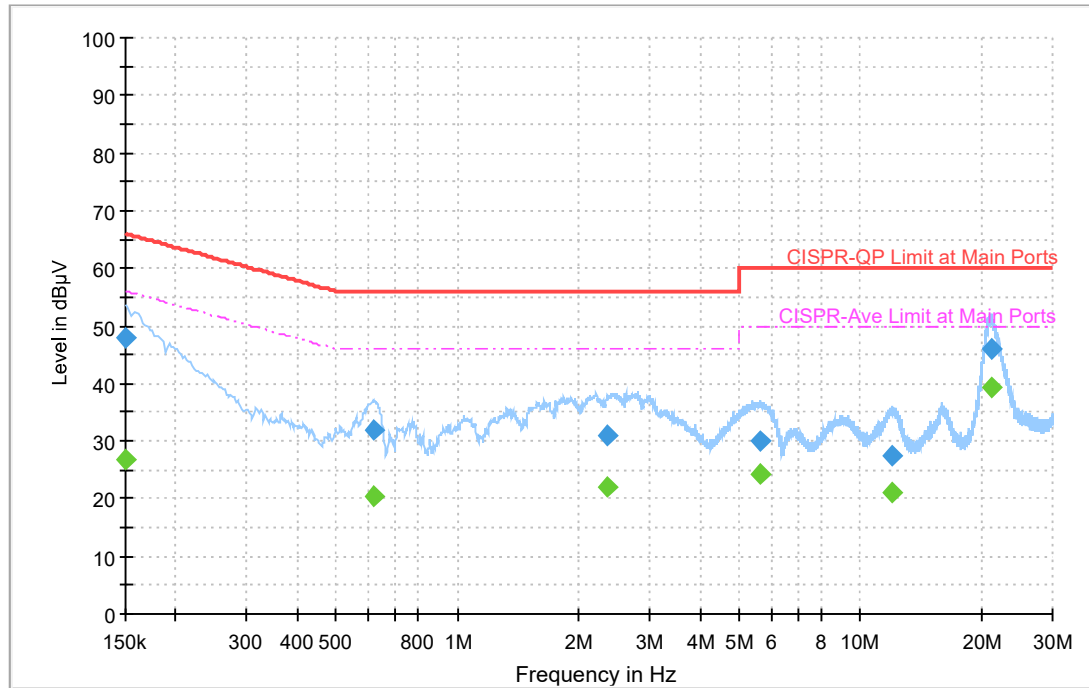
## Final Result

| Frequency (MHz) | QuasiPeak (dBμV) | CAverage (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.150558        | ---              | 23.34           | 55.97        | 32.63       | L1   | OFF    | 20.5       |
| 0.150558        | 46.52            | ---             | 65.97        | 19.45       | L1   | OFF    | 20.5       |
| 0.621168        | ---              | 23.00           | 46.00        | 23.00       | L1   | OFF    | 20.1       |
| 0.621168        | 33.28            | ---             | 56.00        | 22.72       | L1   | OFF    | 20.1       |
| 2.374026        | ---              | 24.29           | 46.00        | 21.71       | L1   | OFF    | 20.1       |
| 2.374026        | 32.91            | ---             | 56.00        | 23.09       | L1   | OFF    | 20.1       |
| 5.762787        | ---              | 25.20           | 50.00        | 24.80       | L1   | OFF    | 20.5       |
| 5.762787        | 30.81            | ---             | 60.00        | 29.19       | L1   | OFF    | 20.5       |
| 16.172988       | ---              | 20.69           | 50.00        | 29.31       | L1   | OFF    | 21.5       |
| 16.172988       | 27.85            | ---             | 60.00        | 32.15       | L1   | OFF    | 21.5       |
| 21.037515       | ---              | 38.70           | 50.00        | 11.30       | L1   | OFF    | 22.0       |
| 21.037515       | 46.01            | ---             | 60.00        | 13.99       | L1   | OFF    | 22.0       |

## EUT Information

Test Site Location : CO01-CA  
 Project : 220617002  
 Power: 120Vac/60Hz  
 Mode : 2  
 Neutral

Full Spectrum



## Final Result

| Frequency (MHz) | QuasiPeak (dBμV) | CAverage (dBμV) | Limit (dBμV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.150158        | ---              | 26.85           | 55.99        | 29.14       | N    | OFF    | 20.5       |
| 0.150158        | 47.77            | ---             | 65.99        | 18.22       | N    | OFF    | 20.5       |
| 0.622347        | ---              | 20.57           | 46.00        | 25.43       | N    | OFF    | 20.1       |
| 0.622347        | 32.05            | ---             | 56.00        | 23.95       | N    | OFF    | 20.1       |
| 2.358411        | ---              | 22.08           | 46.00        | 23.92       | N    | OFF    | 20.1       |
| 2.358411        | 31.10            | ---             | 56.00        | 24.90       | N    | OFF    | 20.1       |
| 5.654121        | ---              | 24.28           | 50.00        | 25.72       | N    | OFF    | 20.5       |
| 5.654121        | 30.00            | ---             | 60.00        | 30.00       | N    | OFF    | 20.5       |
| 12.034167       | ---              | 21.11           | 50.00        | 28.89       | N    | OFF    | 21.2       |
| 12.034167       | 27.48            | ---             | 60.00        | 32.52       | N    | OFF    | 21.2       |
| 21.143868       | ---              | 39.26           | 50.00        | 10.74       | N    | OFF    | 22.1       |
| 21.143868       | 45.98            | ---             | 60.00        | 14.02       | N    | OFF    | 22.1       |



## **Appendix C. Radiated Spurious Emission**

|                        |                                                   |                            |               |
|------------------------|---------------------------------------------------|----------------------------|---------------|
| <b>Test Engineer :</b> | Renz Roxas, Minh Nguyen, Jesse Fan, and Kevin Hsu | <b>Temperature :</b>       | 15.2 ~ 25.4°C |
|                        |                                                   | <b>Relative Humidity :</b> | 35.7 ~ 50.3%  |



## Band 4 - 5725~5850MHz

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

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2                          |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |      | 5607      | 56.1       | -12.1  | 68.2       | 40.09    | 33.08    | 12.86  | 29.93  | 100    | 267     | P       | H       |
|                              |      | 5697.2    | 61.76      | -41.38 | 103.14     | 45.46    | 33.31    | 12.94  | 29.95  | 100    | 267     | P       | H       |
|                              |      | 5717.6    | 72.23      | -37.9  | 110.13     | 55.79    | 33.43    | 12.96  | 29.95  | 100    | 267     | P       | H       |
|                              |      | 5723.4    | 79.39      | -39.16 | 118.55     | 62.91    | 33.46    | 12.97  | 29.95  | 100    | 267     | P       | H       |
|                              | *    | 5745      | 109.98     | -      | -          | 93.36    | 33.59    | 12.99  | 29.96  | 100    | 267     | P       | H       |
|                              | *    | 5745      | 103.1      | -      | -          | 86.48    | 33.59    | 12.99  | 29.96  | 100    | 267     | A       | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      | 5616.8    | 57.5       | -10.7  | 68.2       | 41.48    | 33.09    | 12.87  | 29.94  | 100    | 0       | P       | V       |
|                              |      | 5696.8    | 63.09      | -39.75 | 102.84     | 46.79    | 33.31    | 12.94  | 29.95  | 100    | 0       | P       | V       |
|                              |      | 5717      | 74.35      | -35.61 | 109.96     | 57.92    | 33.42    | 12.96  | 29.95  | 100    | 0       | P       | V       |
|                              |      | 5724.8    | 81.53      | -40.21 | 121.74     | 65.04    | 33.47    | 12.97  | 29.95  | 100    | 0       | P       | V       |
|                              |      | 4300      | 58.31      | -15.69 | 74         | 45.8     | 31.41    | 11.23  | 30.13  | 112    | 357     | P       | V       |
|                              |      | 5032      | 62.72      | -11.28 | 74         | 47.3     | 33.14    | 12.2   | 29.92  | 100    | 0       | P       | V       |
|                              | *    | 5745      | 111.59     | -      | -          | 94.97    | 33.59    | 12.99  | 29.96  | 100    | 0       | P       | V       |
|                              |      | 4306      | 49.98      | -4.02  | 54         | 37.43    | 31.44    | 11.24  | 30.13  | 112    | 357     | A       | V       |
|                              |      | 5020      | 53.53      | -0.47  | 54         | 38.13    | 33.13    | 12.19  | 29.92  | 100    | 0       | A       | V       |
|                              | *    | 5745      | 105.07     | -      | -          | 88.45    | 33.59    | 12.99  | 29.96  | 100    | 0       | P       | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |



| 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 ) |
| 802.11a<br>CH 157<br>5785MHz |      | 5620.8    | 57.05      | -11.15 | 68.2       | 41.02    | 33.1     | 12.87  | 29.94  | 285    | 292     | P       | H       |
|                              |      | 5673      | 56.5       | -28.76 | 85.26      | 40.3     | 33.23    | 12.92  | 29.95  | 285    | 292     | P       | H       |
|                              |      | 5719      | 58.21      | -52.31 | 110.52     | 41.76    | 33.44    | 12.96  | 29.95  | 285    | 292     | P       | H       |
|                              |      | 5724.2    | 58.58      | -61.8  | 120.38     | 42.09    | 33.47    | 12.97  | 29.95  | 285    | 292     | P       | H       |
|                              | *    | 5785      | 110.34     | -      | -          | 93.42    | 33.86    | 13.03  | 29.97  | 285    | 292     | P       | H       |
|                              | *    | 5785      | 103.81     | -      | -          | 86.89    | 33.86    | 13.03  | 29.97  | 285    | 292     | A       | H       |
|                              |      | 5852      | 64.41      | -53.23 | 117.64     | 47.25    | 34.08    | 13.09  | 30.01  | 285    | 292     | P       | H       |
|                              |      | 5857      | 61.61      | -48.63 | 110.24     | 44.43    | 34.09    | 13.1   | 30.01  | 285    | 292     | P       | H       |
|                              |      | 5884.8    | 58.27      | -39.65 | 97.92      | 41.01    | 34.14    | 13.13  | 30.01  | 285    | 292     | P       | H       |
|                              |      | 5941.2    | 57.91      | -10.29 | 68.2       | 40.55    | 34.2     | 13.19  | 30.03  | 285    | 292     | P       | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      | 5606.6    | 57.62      | -10.58 | 68.2       | 41.61    | 33.08    | 12.86  | 29.93  | 100    | 4       | P       | V       |
|                              |      | 5658.2    | 58.29      | -16    | 74.29      | 42.16    | 33.17    | 12.91  | 29.95  | 100    | 4       | P       | V       |
|                              |      | 5717      | 59.56      | -50.4  | 109.96     | 43.13    | 33.42    | 12.96  | 29.95  | 100    | 4       | P       | V       |
|                              |      | 5722.4    | 62.89      | -53.38 | 116.27     | 46.41    | 33.46    | 12.97  | 29.95  | 100    | 4       | P       | V       |
|                              |      | 4336      | 59.81      | -14.19 | 74         | 47.02    | 31.63    | 11.27  | 30.11  | 111    | 357     | P       | V       |
|                              |      | 5056      | 61.85      | -12.15 | 74         | 46.41    | 33.15    | 12.21  | 29.92  | 100    | 4       | P       | V       |
|                              |      | 5428      | 60.56      | -13.44 | 74         | 44.86    | 32.97    | 12.64  | 29.91  | 100    | 11      | P       | V       |
|                              | *    | 5785      | 114.91     | 46.71  | 68.2       | 97.99    | 33.86    | 13.03  | 29.97  | 100    | 4       | P       | V       |
|                              |      | 4330      | 50.58      | -3.42  | 54         | 37.83    | 31.59    | 11.27  | 30.11  | 111    | 357     | A       | V       |
|                              |      | 5062      | 53.83      | -0.17  | 54         | 38.38    | 33.15    | 12.22  | 29.92  | 100    | 4       | A       | V       |
|                              |      | 5428      | 51.4       | -2.6   | 54         | 35.7     | 32.97    | 12.64  | 29.91  | 100    | 11      | A       | V       |
|                              | *    | 5785      | 108.09     | 54.09  | 54         | 91.17    | 33.86    | 13.03  | 29.97  | 100    | 4       | A       | V       |
|                              |      | 5850.8    | 68.96      | -51.42 | 120.38     | 51.8     | 34.08    | 13.09  | 30.01  | 100    | 4       | P       | V       |
|                              |      | 5856.6    | 65.74      | -44.61 | 110.35     | 48.56    | 34.09    | 13.1   | 30.01  | 100    | 4       | P       | V       |
|                              |      | 5876      | 64.36      | -40.1  | 104.46     | 47.13    | 34.12    | 13.12  | 30.01  | 100    | 4       | P       | V       |
|                              |      | 5936.4    | 58.15      | -10.05 | 68.2       | 40.79    | 34.2     | 13.18  | 30.02  | 100    | 4       | P       | V       |



| 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 ) |
| 802.11a<br>CH 165<br>5825MHz | *                                                            | 5825      | 110.72     | -      | -          | 93.62    | 34.02    | 13.07  | 29.99  | 303    | 294     | P       | H       |
|                              | *                                                            | 5825      | 103.71     | -      | -          | 86.61    | 34.02    | 13.07  | 29.99  | 303    | 294     | A       | H       |
|                              |                                                              | 5854.6    | 78.85      | -32.86 | 111.71     | 61.68    | 34.08    | 13.1   | 30.01  | 303    | 294     | P       | H       |
|                              |                                                              | 5855.2    | 76.48      | -34.26 | 110.74     | 59.31    | 34.08    | 13.1   | 30.01  | 303    | 294     | P       | H       |
|                              |                                                              | 5879      | 67.71      | -34.52 | 102.23     | 50.47    | 34.13    | 13.12  | 30.01  | 303    | 294     | P       | H       |
|                              |                                                              | 5928.2    | 59.26      | -8.94  | 68.2       | 41.92    | 34.19    | 13.17  | 30.02  | 303    | 294     | P       | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |                                                              | 4372      | 57.7       | -16.3  | 74         | 44.7     | 31.77    | 11.32  | 30.09  | 305    | 307     | P       | V       |
|                              |                                                              | 5092      | 60.51      | -13.49 | 74         | 45.01    | 33.17    | 12.24  | 29.91  | 100    | 3       | P       | V       |
|                              |                                                              | 5458      | 62.41      | -11.59 | 74         | 46.73    | 32.92    | 12.67  | 29.91  | 100    | 10      | P       | V       |
|                              | *                                                            | 5825      | 116.25     | -      | -          | 99.15    | 34.02    | 13.07  | 29.99  | 100    | 3       | P       | V       |
|                              |                                                              | 4372      | 49.9       | -4.1   | 54         | 36.9     | 31.77    | 11.32  | 30.09  | 305    | 307     | A       | V       |
|                              |                                                              | 5098      | 53.93      | -0.07  | 54         | 38.41    | 33.18    | 12.25  | 29.91  | 100    | 3       | A       | V       |
|                              |                                                              | 5458      | 52.15      | -1.85  | 54         | 36.47    | 32.92    | 12.67  | 29.91  | 100    | 10      | A       | V       |
|                              | *                                                            | 5825      | 109.51     | -      | -          | 92.41    | 34.02    | 13.07  | 29.99  | 100    | 3       | A       | V       |
|                              |                                                              | 5852.2    | 82.79      | -34.39 | 117.18     | 65.63    | 34.08    | 13.09  | 30.01  | 100    | 3       | P       | V       |
|                              |                                                              | 5857.8    | 82.05      | -27.96 | 110.01     | 64.87    | 34.09    | 13.1   | 30.01  | 100    | 3       | P       | V       |
|                              |                                                              | 5877      | 72.39      | -31.32 | 103.71     | 55.15    | 34.13    | 13.12  | 30.01  | 100    | 3       | P       | V       |
|                              |                                                              | 5936.2    | 60.29      | -7.91  | 68.2       | 42.93    | 34.2     | 13.18  | 30.02  | 100    | 3       | 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 802.11a (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                | 60.95               | -13.05                  | 74                          | 70.57                     | 39.19                         | 18.67                  | 67.48                      | 248                  | 264                     | P                       | H               |
|                              |      | 11490                | 50.92               | -3.08                   | 54                          | 60.54                     | 39.19                         | 18.67                  | 67.48                      | 248                  | 264                     | A                       | H               |
|                              |      | 17235                | 49.8                | -18.4                   | 68.2                        | 55.9                      | 38.39                         | 23.32                  | 67.81                      | 210                  | 47                      | P                       | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                              |      | 11490                | 54.17               | -19.83                  | 74                          | 63.79                     | 39.19                         | 18.67                  | 67.48                      | 400                  | 313                     | P                       | V               |
|                              |      | 11490                | 44.84               | -9.16                   | 54                          | 54.46                     | 39.19                         | 18.67                  | 67.48                      | 400                  | 313                     | A                       | V               |
|                              |      | 17235                | 49.32               | -18.88                  | 68.2                        | 55.42                     | 38.39                         | 23.32                  | 67.81                      | 325                  | 64                      | P                       | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                              |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |



| 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 ) |
| 802.11a<br>CH 157<br>5785MHz |      | 11570     | 56.55      | -17.45 | 74         | 66.1     | 39.04    | 18.73  | 67.32  | 300    | 251     | P       | H       |
|                              |      | 11570     | 47.55      | -6.45  | 54         | 57.1     | 39.04    | 18.73  | 67.32  | 300    | 251     | A       | H       |
|                              |      | 17355     | 47.92      | -20.28 | 68.2       | 53.74    | 38.67    | 23.42  | 67.91  | -      | -       | P       | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | H       |
|                              |      | 11570     | 53.17      | -20.83 | 74         | 62.72    | 39.04    | 18.73  | 67.32  | 400    | 185     | P       | V       |
|                              |      | 11570     | 44.14      | -9.86  | 54         | 53.69    | 39.04    | 18.73  | 67.32  | 400    | 185     | A       | V       |
|                              |      | 17355     | 47.94      | -20.26 | 68.2       | 53.76    | 38.67    | 23.42  | 67.91  | -      | -       | P       | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |
|                              |      |           |            |        |            |          |          |        |        |        |         |         | V       |

| 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) |
| 802.11a<br>CH 165<br>5825MHz |                                                                                             | 7286      | 50.34      | -23.66 | 74         | 64.85    | 36.9     | 15.2   | 66.61  | 400    | 293     | P     | H     |
|                              |                                                                                             | 7286      | 41.72      | -12.28 | 54         | 56.23    | 36.9     | 15.2   | 66.61  | 400    | 293     | A     | H     |
|                              |                                                                                             | 7770      | 47.3       | -20.9  | 68.2       | 62.12    | 36.69    | 15.51  | 67.02  | 400    | 109     | P     | H     |
|                              |                                                                                             | 7770      | 37.17      | -16.83 | 54         | 51.99    | 36.69    | 15.51  | 67.02  | 400    | 109     | A     | H     |
|                              |                                                                                             | 11650     | 52.95      | -21.05 | 74         | 62.59    | 38.82    | 18.79  | 67.25  | 300    | 312     | P     | H     |
|                              |                                                                                             | 11650     | 43.54      | -10.46 | 54         | 53.18    | 38.82    | 18.79  | 67.25  | 300    | 312     | A     | H     |
|                              |                                                                                             | 17475     | 50.79      | -17.41 | 68.2       | 56.19    | 39.17    | 23.53  | 68.1   | -      | -       | P     | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | H     |
|                              |                                                                                             | 7286      | 52.28      | -21.72 | 74         | 66.79    | 36.9     | 15.2   | 66.61  | 100    | 336     | P     | V     |
|                              |                                                                                             | 7286      | 44.3       | -9.7   | 54         | 58.81    | 36.9     | 15.2   | 66.61  | 100    | 336     | A     | V     |
|                              |                                                                                             | 7770      | 49.75      | -18.45 | 68.2       | 64.57    | 36.69    | 15.51  | 67.02  | 100    | 63      | P     | V     |
|                              |                                                                                             | 7770      | 41.49      | -12.51 | 54         | 56.31    | 36.69    | 15.51  | 67.02  | 100    | 63      | A     | V     |
|                              |                                                                                             | 11650     | 50.41      | -23.59 | 74         | 60.05    | 38.82    | 18.79  | 67.25  | 300    | 316     | P     | V     |
|                              |                                                                                             | 11650     | 40.51      | -13.49 | 54         | 50.15    | 38.82    | 18.79  | 67.25  | 300    | 316     | A     | V     |
|                              |                                                                                             | 17475     | 50.68      | -17.52 | 68.2       | 56.08    | 39.17    | 23.53  | 68.1   | -      | -       | P     | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         |       | V     |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         | V     |       |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         | V     |       |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         | V     |       |
|                              |                                                                                             |           |            |        |            |          |          |        |        |        |         | V     |       |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |       |       |



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

| WIFI                                   | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2                                    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11ac<br>VHT40<br>CH 159<br>5795MHz |      | 5604.2    | 56.13      | -12.07 | 68.2       | 40.14    | 33.07    | 12.85  | 29.93  | 282    | 292     | P       | H       |
|                                        |      | 5699.2    | 57.42      | -47.19 | 104.61     | 41.11    | 33.32    | 12.94  | 29.95  | 282    | 292     | P       | H       |
|                                        |      | 5718.2    | 60.47      | -49.83 | 110.3      | 44.03    | 33.43    | 12.96  | 29.95  | 282    | 292     | P       | H       |
|                                        |      | 5724.2    | 62.96      | -57.42 | 120.38     | 46.47    | 33.47    | 12.97  | 29.95  | 282    | 292     | P       | H       |
|                                        | *    | 5795      | 107.36     | -      | -          | 90.36    | 33.93    | 13.04  | 29.97  | 282    | 292     | P       | H       |
|                                        | *    | 5795      | 100.23     | -      | -          | 83.23    | 33.93    | 13.04  | 29.97  | 282    | 292     | A       | H       |
|                                        |      | 5854.2    | 71.16      | -41.46 | 112.62     | 53.99    | 34.08    | 13.1   | 30.01  | 282    | 292     | P       | H       |
|                                        |      | 5857.8    | 74.01      | -36    | 110.01     | 56.83    | 34.09    | 13.1   | 30.01  | 282    | 292     | P       | H       |
|                                        |      | 5882.2    | 68.12      | -31.73 | 99.85      | 50.86    | 34.14    | 13.13  | 30.01  | 282    | 292     | P       | H       |
|                                        |      | 5932      | 62.32      | -5.88  | 68.2       | 44.96    | 34.2     | 13.18  | 30.02  | 282    | 292     | P       | H       |
|                                        |      | 5626.6    | 59.29      | -8.91  | 68.2       | 43.24    | 33.11    | 12.88  | 29.94  | 100    | 13      | P       | V       |
|                                        |      | 5699.2    | 63.67      | -40.94 | 104.61     | 47.36    | 33.32    | 12.94  | 29.95  | 100    | 13      | P       | V       |
|                                        |      | 5717.6    | 65.99      | -44.14 | 110.13     | 49.55    | 33.43    | 12.96  | 29.95  | 100    | 13      | P       | V       |
|                                        |      | 5723      | 66.93      | -50.71 | 117.64     | 50.45    | 33.46    | 12.97  | 29.95  | 100    | 13      | P       | V       |
|                                        |      | 1372      | 43.18      | -30.82 | 74         | 43.27    | 25.94    | 6.21   | 32.24  | 384    | 270     | P       | V       |
|                                        |      | 4330      | 57.23      | -16.77 | 74         | 44.48    | 31.59    | 11.27  | 30.11  | 112    | 357     | P       | V       |
|                                        |      | 5056      | 62.41      | -11.59 | 74         | 46.97    | 33.15    | 12.21  | 29.92  | 100    | 11      | P       | V       |
|                                        | *    | 5795      | 112.85     | -      | -          | 95.85    | 33.93    | 13.04  | 29.97  | 100    | 13      | P       | V       |
|                                        |      | 1372      | 36.46      | -17.54 | 54         | 36.55    | 25.94    | 6.21   | 32.24  | 384    | 270     | A       | V       |
|                                        |      | 4330      | 47.94      | -6.06  | 54         | 35.19    | 31.59    | 11.27  | 30.11  | 112    | 357     | A       | V       |
|                                        |      | 5056      | 52.98      | -1.02  | 54         | 37.54    | 33.15    | 12.21  | 29.92  | 100    | 11      | A       | V       |
|                                        | *    | 5795      | 105.94     | -      | -          | 88.94    | 33.93    | 13.04  | 29.97  | 100    | 13      | A       | V       |
|                                        |      | 5852.2    | 78.57      | -38.61 | 117.18     | 61.41    | 34.08    | 13.09  | 30.01  | 100    | 13      | P       | V       |
|                                        |      | 5856.6    | 76.07      | -34.28 | 110.35     | 58.89    | 34.09    | 13.1   | 30.01  | 100    | 13      | P       | V       |
|                                        |      | 5881.6    | 71.92      | -28.38 | 100.3      | 54.66    | 34.14    | 13.13  | 30.01  | 100    | 13      | P       | V       |
| Remark                                 |      |           |            |        |            |          |          |        |        |        |         |         |         |

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

[illegible]



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

| WIFI                                   | Note                                                         | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|----------------------------------------|--------------------------------------------------------------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                                   |                                                              |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+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 |                                                              | 5650      | 57.93      | -10.27 | 68.2       | 41.83    | 33.15    | 12.9   | 29.95  | 299    | 292     | P       | H       |
|                                        |                                                              | 5688.6    | 74.27      | -22.52 | 96.79      | 58.01    | 33.28    | 12.93  | 29.95  | 299    | 292     | P       | H       |
|                                        |                                                              | 5718.2    | 74.1       | -36.2  | 110.3      | 57.66    | 33.43    | 12.96  | 29.95  | 299    | 292     | P       | H       |
|                                        |                                                              | 5721.8    | 73.8       | -41.1  | 114.9      | 57.33    | 33.45    | 12.97  | 29.95  | 299    | 292     | P       | H       |
|                                        | *                                                            | 5775      | 103.68     | -      | -          | 86.84    | 33.79    | 13.02  | 29.97  | 299    | 292     | P       | H       |
|                                        | *                                                            | 5775      | 95.3       | -      | -          | 78.46    | 33.79    | 13.02  | 29.97  | 299    | 292     | A       | H       |
|                                        |                                                              | 5853.2    | 70.92      | -43.98 | 114.9      | 53.75    | 34.08    | 13.1   | 30.01  | 299    | 292     | P       | H       |
|                                        |                                                              | 5863.4    | 73.76      | -34.69 | 108.45     | 56.56    | 34.1     | 13.11  | 30.01  | 299    | 292     | P       | H       |
|                                        |                                                              | 5922.8    | 67.69      | -2.13  | 69.82      | 50.35    | 34.19    | 13.17  | 30.02  | 299    | 292     | P       | H       |
|                                        |                                                              | 5931.4    | 63.89      | -4.31  | 68.2       | 46.54    | 34.19    | 13.18  | 30.02  | 299    | 292     | P       | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | H       |
|                                        |                                                              | 5633.8    | 64.23      | -3.97  | 68.2       | 48.17    | 33.12    | 12.88  | 29.94  | 102    | 14      | P       | V       |
|                                        |                                                              | 5688.8    | 80.81      | -16.13 | 96.94      | 64.55    | 33.28    | 12.93  | 29.95  | 102    | 14      | P       | V       |
|                                        |                                                              | 5719      | 79.46      | -31.06 | 110.52     | 63.01    | 33.44    | 12.96  | 29.95  | 102    | 14      | P       | V       |
|                                        |                                                              | 5722.8    | 78.82      | -38.36 | 117.18     | 62.34    | 33.46    | 12.97  | 29.95  | 102    | 14      | P       | V       |
|                                        | *                                                            | 5775      | 107.92     | -      | -          | 91.08    | 33.79    | 13.02  | 29.97  | 102    | 14      | P       | V       |
|                                        | *                                                            | 5775      | 100.87     | -      | -          | 84.03    | 33.79    | 13.02  | 29.97  | 102    | 14      | A       | V       |
|                                        |                                                              | 5853.4    | 77.08      | -37.37 | 114.45     | 59.91    | 34.08    | 13.1   | 30.01  | 102    | 14      | P       | V       |
|                                        |                                                              | 5863.4    | 78.74      | -29.71 | 108.45     | 61.54    | 34.1     | 13.11  | 30.01  | 102    | 14      | P       | V       |
|                                        |                                                              | 5883.6    | 72.78      | -26.03 | 98.81      | 55.52    | 34.14    | 13.13  | 30.01  | 102    | 14      | P       | V       |
|                                        |                                                              | 5926.8    | 67.02      | -1.18  | 68.2       | 49.68    | 34.19    | 13.17  | 30.02  | 102    | 14      | P       | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
|                                        |                                                              |           |            |        |            |          |          |        |        |        |         |         | V       |
| Remark                                 | 1. No other spurious found.                                  |           |            |        |            |          |          |        |        |        |         |         |         |
|                                        | 2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



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

| WIFI<br>Ant.<br>1+2                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                                                             | 11550                | 47.47               | -26.53                  | 74                          | 57.01                     | 39.1                          | 18.71                  | 67.35                      | -                    | -                       | P                       | H               |
|                                        |                                                                                             | 17325                | 49.85               | -18.35                  | 68.2                        | 55.76                     | 38.57                         | 23.39                  | 67.87                      | 400                  | 65                      | P                       | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | H               |
| 802.11ac<br>VHT80<br>CH 155<br>5775MHz |                                                                                             | 11550                | 46.64               | -27.36                  | 74                          | 56.18                     | 39.1                          | 18.71                  | 67.35                      | -                    | -                       | P                       | V               |
|                                        |                                                                                             | 17325                | 49.4                | -18.8                   | 68.2                        | 55.31                     | 38.57                         | 23.39                  | 67.87                      | 215                  | 20                      | P                       | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
|                                        |                                                                                             |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

## Emission above 18GHz

### WIFI 802.11a (SHF @ 1m)

| 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) |
| 802.11a<br><br>SHF |                                                                            | 39450     | 55.1       | -18.9  | 74         | 37.7   | 44.15    | 36.84  | 54.05  |        |         | P     | H     |
|                    |                                                                            | 39450     | 46.51      | -7.49  | 54         | 29.11  | 44.15    | 36.84  | 54.05  |        |         | P     | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                    |                                                                            | 39252     | 55.81      | -18.19 | 74         | 37.42  | 45.09    | 36.61  | 53.77  |        |         | P     | V     |
|                    |                                                                            | 39252     | 46.95      | -7.05  | 54         | 28.56  | 45.09    | 36.61  | 53.77  |        |         | P     | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                    |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
| Remark             | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |

## Emission below 1GHz

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

| WIFI              | Note                                                                       | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.              |                                                                            |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 1+2               |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 802.11a<br><br>LF |                                                                            | 325.16    | 33.89      | -12.11 | 46         | 43.68  | 19.58    | 2.99   | 32.53  |        |         | P     | H     |
|                   |                                                                            | 374.98    | 37.99      | -8.01  | 46         | 46.16  | 20.93    | 3.23   | 32.56  |        |         | P     | H     |
|                   |                                                                            | 399.89    | 37.07      | -8.93  | 46         | 44.33  | 21.71    | 3.33   | 32.6   |        |         | P     | H     |
|                   |                                                                            | 424.8     | 35.84      | -10.16 | 46         | 41.74  | 23       | 3.43   | 32.61  |        |         | P     | H     |
|                   |                                                                            | 891.218   | 35.55      | -10.45 | 46         | 33.17  | 28.87    | 4.92   | 31.79  |        |         | P     | H     |
|                   |                                                                            | 945.11    | 37.3       | -8.7   | 46         | 32.8   | 30.38    | 5.11   | 31.42  |        |         | P     | H     |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         |       | H     |
|                   |                                                                            | 374.98    | 36.55      | -9.45  | 46         | 44.72  | 20.93    | 3.23   | 32.56  |        |         | P     | V     |
|                   |                                                                            | 399.89    | 37.59      | -8.41  | 46         | 44.85  | 21.71    | 3.33   | 32.6   |        |         | P     | V     |
|                   |                                                                            | 424.8     | 34.97      | -11.03 | 46         | 40.87  | 23       | 3.43   | 32.61  |        |         | P     | V     |
|                   |                                                                            | 890.719   | 34.3       | -11.7  | 46         | 31.92  | 28.87    | 4.92   | 31.79  |        |         | P     | V     |
|                   |                                                                            | 945.11    | 37.95      | -8.05  | 46         | 33.45  | 30.38    | 5.11   | 31.42  |        |         | P     | V     |
|                   |                                                                            | 975.05    | 36.81      | -17.19 | 54         | 31.78  | 30.54    | 5.15   | 31.12  |        |         | P     | V     |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         |       | V     |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
|                   |                                                                            |           |            |        |            |        |          |        |        |        |         | V     |       |
| Remark            | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



**Note symbol**

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

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

| WIFI                         | Note | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|------------------------------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.                         |      |           |            | Limit  | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 1+2                          |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a<br>CH 149<br>5745MHz |      | 5650      | 55.45      | -12.75 | 68.2       | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | 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) – 68.2(dBμV/m)  
= -12.75 (dB)

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

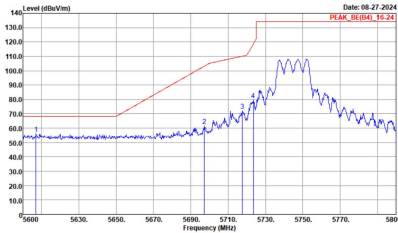
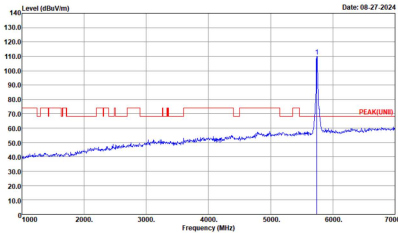
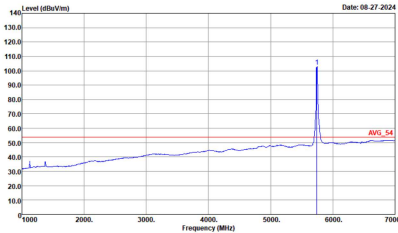


**Note symbol**

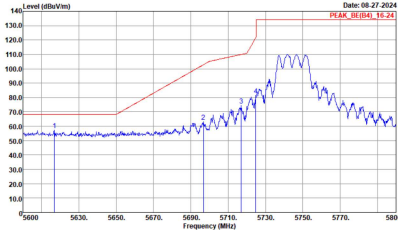
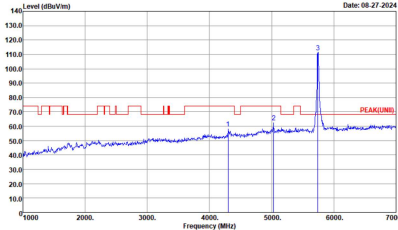
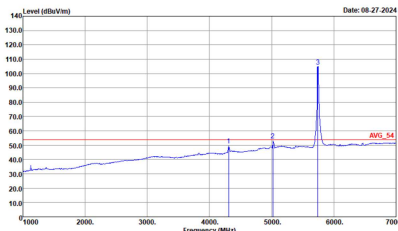
|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |



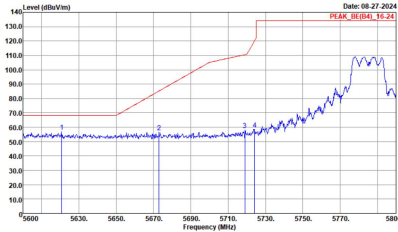
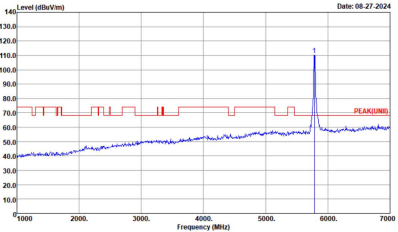
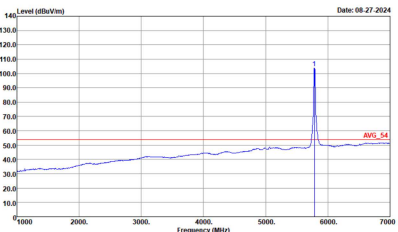
Band 4 - 5725~5850MHz  
WIFI 802.11a (Band Edge @ 3m)

| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                        |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                        |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                                                  | Fundamental                                                                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 83CH02-CA<br/>Condition : PEAK_BE(84)_16-24 3m HORN_02140_240129 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SMT:Auto<br/>Detector : Peak<br/>Plane : AVE Power 120Vac/60Hz<br/>Setting : 17.5</p></div> | <div><p>Site : 83CH02-CA<br/>Condition : PEAK(FUN)_1 3m HORN_02140_240129 HORIZONTAL<br/>RBW:1000.000kHz VBW:3000.000kHz SMT:Auto<br/>Detector : Peak<br/>Plane : AVE Power 120Vac/60Hz<br/>Setting : 17.5</p></div> |
| Avg  | Left blank                                                                                                                                                                                                                                                                                                  | <div><p>Site : 83CH02-CA<br/>Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL<br/>RBW:1000.000kHz VBW:1.000kHz SMT:Auto<br/>Detector : Peak<br/>Plane : AVE Power 120Vac/60Hz<br/>Setting : 17.5</p></div>       |

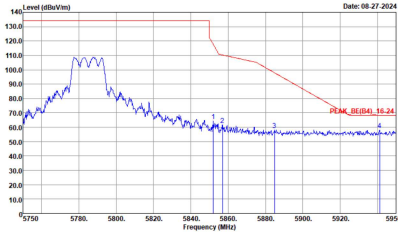


|      |                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                    |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                       |                                                                                                                                                                                                                                    |
| ANT  | 802.11a CH149 5745MHz                                                                                                                                                                                                                    |                                                                                                                                                                                                                                    |
| 1+2  | Vertical                                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                                        |
| Peak | <div><p>Site : 03CH02-CA<br/>Condition : PEAK_BE(84)_16-24 3m HORN_02140_240129 VERTICAL<br/>Detector : Peak<br/>Plane : X<br/>Setting : 17.5</p></div> | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT) 3m HORN_02140_240129 VERTICAL<br/>Detector : Peak<br/>Plane : X<br/>Setting : 17.5</p></div> |
| Avg  | Left blank                                                                                                                                                                                                                               | <div><p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN_02140_240129 VERTICAL<br/>Detector : Peak<br/>Plane : X<br/>Setting : 17.5</p></div>   |

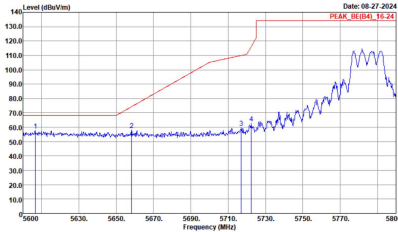
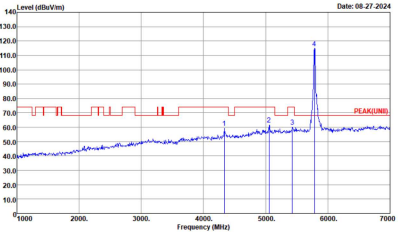
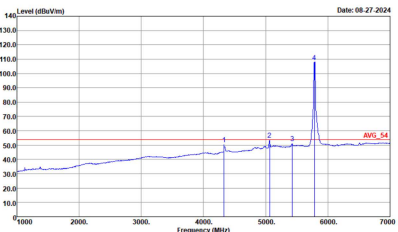


|      |                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                        |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                        |
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                        |
| 1+2  | Horizontal                                                                                                                                                                                                                                                                   | Fundamental                                                                                                                                                                                                                                                            |
| Peak | <div><p>Site : 03CH02-CA<br/>Condition : PEAK_BE(S4)_16-24 3m HORN_02140_240129 HORIZONTAL<br/>Detector : Peak<br/>Setting : AVR Power 120Vac/60Hz<br/>Plane : X<br/>Setting : 17</p></div> | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT) 3m HORN_02140_240129 HORIZONTAL<br/>Detector : Peak<br/>Setting : AVR Power 120Vac/60Hz<br/>Plane : X<br/>Setting : 17</p></div> |
| Avg  | Left blank                                                                                                                                                                                                                                                                   | <div><p>Site : 03CH02-CA<br/>Condition : AVG_S4 3m HORN_02140_240129 HORIZONTAL<br/>Detector : Peak<br/>Setting : AVR Power 120Vac/60Hz<br/>Plane : X<br/>Setting : 17</p></div>   |

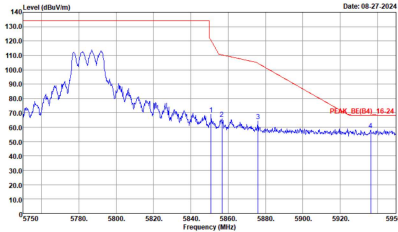


|      |                                                                                                                                                                                                                                          |             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                       |             |
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                    |             |
| 1+2  | Horizontal                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH03-CA<br/>Condition : PEAK_BE(84)_16-24 3m HORN_02140_240129 HORIZONTAL<br/>Detector : Peak<br/>Plane : X<br/>Setting : 17</p></div> | Left blank  |

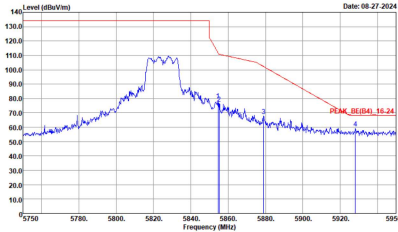
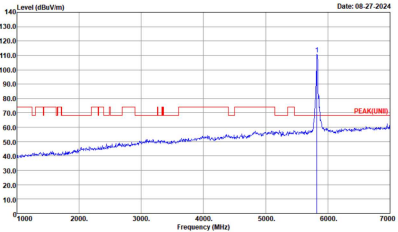
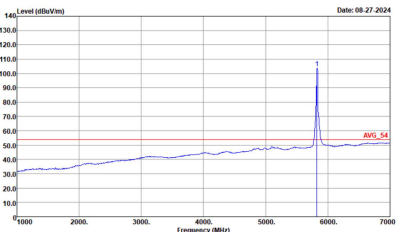


| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                       |                                                                                                                                                                                                                   |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                    |                                                                                                                                                                                                                   |
| 1+2  | Vertical                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                       |
| Peak | <div><p>Site : 03CH02-CA<br/>Condition : PEAK_BE(14)_16-24 3m HORN_02140_240129 VERTICAL<br/>Detector : Peak<br/>Setting : 17</p></div> | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UMI) 3m HORN_02140_240129 VERTICAL<br/>Detector : Peak<br/>Setting : 17</p></div> |
| Avg  | Left blank                                                                                                                                                                                                               | <div><p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN_02140_240129 VERTICAL<br/>Detector : Peak<br/>Setting : 17</p></div>  |



|      |                                                                                                                                                                                                                                        |             |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| WIFI | Band 4 5725~5850MHz Band Edge @ 3m                                                                                                                                                                                                     |             |
| ANT  | 802.11a CH157 5785MHz                                                                                                                                                                                                                  |             |
| 1+2  | Vertical                                                                                                                                                                                                                               | Fundamental |
| Peak | <div><p>Site : 03CH03-CA<br/>Condition : PEAK_BE(84)_16-24 3m HORN_02140_240129 VERTICAL<br/>Detector : Peak<br/>Plane : X<br/>Setting : 17</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 : 03CH02-CA<br/>Condition : PEAK_BE(54)_16-24 3m HORN_02140_240129 HORIZONTAL<br/>Detector : Peak<br/>Setting : 17</p></div> | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(FUND)_16-24 3m HORN_02140_240129 HORIZONTAL<br/>Detector : Peak<br/>Setting : 17</p></div> |
| Avg  | Left blank                                                                                                                                                                                                                 | <div><p>Site : 03CH02-CA<br/>Condition : AVG_54 3m HORN_02140_240129 HORIZONTAL<br/>Detector : Peak<br/>Setting : 17</p></div>         |