



# FCC RF Test Report

APPLICANT : OnePlus Technology (Shenzhen) Co.,Ltd.  
EQUIPMENT : Smart Phone  
BRAND NAME : ONEPLUS  
MODEL NAME : NE2217,NE2215  
FCC ID : 2ABZ2-AA438  
STANDARD : FCC Part 15 Subpart E §15.407  
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure  
TEST DATE(S) : Oct. 30, 2021 ~ Nov. 28, 2021

We, Sporton International (Shenzhen) 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 report apply exclusively to the tested model / sample. Without written approval of Sporton International (Shenzhen) Inc., the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



**Sporton International (ShenZhen) Inc.**

**1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055**  
**People's Republic of China**

## TABLE OF CONTENTS

|                                                              |    |
|--------------------------------------------------------------|----|
| REVISION HISTORY.....                                        | 3  |
| SUMMARY OF TEST RESULT .....                                 | 4  |
| 1 GENERAL DESCRIPTION .....                                  | 5  |
| 1.1 Applicant .....                                          | 5  |
| 1.2 Manufacturer.....                                        | 5  |
| 1.3 Product Feature of Equipment Under Test.....             | 5  |
| 1.4 Product Specification of Equipment Under Test.....       | 5  |
| 1.5 Modification of EUT .....                                | 7  |
| 1.6 Testing Location .....                                   | 8  |
| 1.7 Test Software.....                                       | 8  |
| 1.8 Applicable Standards.....                                | 9  |
| 2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST .....           | 10 |
| 2.1 Carrier Frequency and Channel .....                      | 10 |
| 2.2 Test Mode.....                                           | 12 |
| 2.3 Connection Diagram of Test System.....                   | 14 |
| 2.4 Support Unit used in test configuration and system ..... | 14 |
| 2.5 EUT Operation Test Setup .....                           | 15 |
| 2.6 Measurement Results Explanation Example.....             | 15 |
| 3 TEST RESULT .....                                          | 16 |
| 3.1 26dB & 99% Occupied Bandwidth Measurement .....          | 16 |
| 3.2 Maximum Conducted Output Power Measurement .....         | 18 |
| 3.3 Power Spectral Density Measurement .....                 | 20 |
| 3.4 Unwanted Emissions Measurement.....                      | 24 |
| 3.5 AC Conducted Emission Measurement.....                   | 29 |
| 3.6 Antenna Requirements.....                                | 31 |
| 4 LIST OF MEASURING EQUIPMENT .....                          | 32 |
| 5 UNCERTAINTY OF EVALUATION .....                            | 33 |
| APPENDIX A. CONDUCTED TEST RESULTS                           |    |
| APPENDIX B. AC CONDUCTED EMISSION TEST RESULT                |    |
| APPENDIX C. RADIATED SPURIOUS EMISSION                       |    |
| APPENDIX D. DUTY CYCLE PLOTS                                 |    |
| APPENDIX E. SETUP PHOTOGRAPHS                                |    |



## REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FR1O1920F  | Rev. 01 | Initial issue of report | Dec. 17, 2021 |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |
|            |         |                         |               |

## SUMMARY OF TEST RESULT

| Report Section | FCC Rule           | Description                    | Limit                 | Result      | Remark                                    |
|----------------|--------------------|--------------------------------|-----------------------|-------------|-------------------------------------------|
| 3.1            | 2.1049 & 15.403(i) | 26dB & 99% Bandwidth           | -                     | Report only | -                                         |
| 3.2            | 15.407(a)          | Maximum Conducted Output Power | $\leq 24$ dBm         | Pass        | -                                         |
| 3.3            | 15.407(a)          | Power Spectral Density         | $\leq 11$ dBm         | Pass        | -                                         |
| 3.4            | 15.407(b)          | Unwanted Emissions             | 15.407(b) & 15.209(a) | Pass        | Under limit<br>3.67 dB at<br>5460.000 MHz |
| 3.5            | 15.207             | AC Conducted Emission          | 15.207(a)             | Pass        | Under limit<br>10.05 dB at<br>0.150 MHz   |
| 3.6            | 15.203 & 15.407(a) | Antenna Requirement            | 15.203 & 15.407(a)    | Pass        | -                                         |

|                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Declaration of Conformity:</b>                                                                                                                                                                      |
| The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.                                           |
| <b>Comments and Explanations:</b>                                                                                                                                                                      |
| The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification. |



# 1 General Description

## 1.1 Applicant

OnePlus Technology (Shenzhen) Co.,Ltd.

18C02,18C03,18C04,18C05,Shum Yip Terra Building, Binhe Avenue North,Futian District, Shenzhen, Guangdong, China.

## 1.2 Manufacturer

OnePlus Technology (Shenzhen) Co.,Ltd.

18C02,18C03,18C04,18C05,Shum Yip Terra Building, Binhe Avenue North,Futian District, Shenzhen, Guangdong, China.

## 1.3 Product Feature of Equipment Under Test

| Product Feature |                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------|
| Equipment       | Smart Phone                                                                             |
| Brand Name      | ONEPLUS                                                                                 |
| Model Name      | NE2217,NE2215                                                                           |
| FCC ID          | 2ABZ2-AA438                                                                             |
| IMEI Code       | Conducted: 861679050031201<br>Conduction: 861679050034163<br>Radiation: 861679050034189 |
| HW Version      | 11                                                                                      |
| SW Version      | NE2217_11_A.02                                                                          |
| EUT Stage       | Identical Prototype                                                                     |

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## 1.4 Product Specification of Equipment Under Test

| Standards-related Product Specification |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tx/Rx Frequency Range                   | 5180 MHz ~ 5240 MHz<br>5260 MHz ~ 5320 MHz<br>5500 MHz ~ 5700 MHz                                                                                                                                                                                                                                                                                                                                                                                     |
| Maximum Output Power to Antenna         | <MIMO Ant. 1+2><br><5180 MHz ~ 5240 MHz><br>802.11a : 20.76 dBm / 0.1191 W<br>802.11n HT20 : 20.72 dBm / 0.1180 W<br>802.11n HT40 : 20.64 dBm / 0.1159 W<br>802.11ac VHT20 : 20.66 dBm / 0.1164 W<br>802.11ac VHT40 : 20.61 dBm / 0.1151 W<br>802.11ac VHT80 : 20.28 dBm / 0.1067 W<br>802.11ac VHT160 : 17.82 dBm / 0.0605 W<br>802.11ax HE20 : 20.60 dBm / 0.1148 W<br>802.11ax HE40 : 20.47 dBm / 0.1114 W<br>802.11ax HE80 : 20.56 dBm / 0.1138 W |



|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | <p>802.11ax HE160 : 18.94 dBm / 0.0783 W<br/>&lt;5260 MHz ~ 5320 MHz&gt;<br/>802.11a : 20.65 dBm / 0.1161 W<br/>802.11n HT20 : 20.67 dBm / 0.1167 W<br/>802.11n HT40 : 20.54 dBm / 0.1132 W<br/>802.11ac VHT20 : 20.65 dBm / 0.1161 W<br/>802.11ac VHT40 : 20.66 dBm / 0.1164 W<br/>802.11ac VHT80 : 19.41 dBm / 0.0873 W<br/>802.11ax HE20 : 20.52 dBm / 0.1127 W<br/>802.11ax HE40 : 20.31 dBm / 0.1074 W<br/>802.11ax HE80 : 20.11 dBm / 0.1026 W<br/>&lt;5500 MHz ~ 5700 MHz &gt;<br/>802.11a : 20.68 dBm / 0.1169 W<br/>802.11n HT20 : 20.63 dBm / 0.1156 W<br/>802.11n HT40 : 20.68 dBm / 0.1169 W<br/>802.11ac VHT20 : 20.60 dBm / 0.1148 W<br/>802.11ac VHT40 : 20.66 dBm / 0.1164 W<br/>802.11ac VHT80 : 20.49 dBm / 0.1119 W<br/>802.11ac VHT160 : 18.67 dBm / 0.0736 W<br/>802.11ax HE20 : 20.53 dBm / 0.1130 W<br/>802.11ax HE40 : 20.72 dBm / 0.1180 W<br/>802.11ax HE80 : 20.99 dBm / 0.1256 W<br/>802.11ax HE160 : 19.53 dBm / 0.0897 W</p> |
| 99% Occupied Bandwidth | <p>&lt;5180 MHz ~ 5240 MHz&gt;<br/>802.11a : 16.43 MHz<br/>802.11n HT20 : 17.63 MHz<br/>802.11n HT40 : 36.16 MHz<br/>802.11ac VHT80 : 75.28 MHz<br/>802.11ac VHT160 : 154.65 MHz<br/>802.11ax HE20 : 18.93 MHz<br/>802.11ax HE40 : 37.76 MHz<br/>802.11ax HE80 : 76.96 MHz<br/>802.11ax HE160 : 155.84 MHz<br/>&lt;5260 MHz ~ 5320 MHz&gt;<br/>802.11a : 16.43 MHz<br/>802.11n HT20 : 17.63 MHz<br/>802.11n HT40 : 36.16 MHz<br/>802.11ac VHT80 : 75.28 MHz<br/>802.11ax HE20 : 18.93 MHz<br/>802.11ax HE40 : 37.76 MHz<br/>802.11ax HE80 : 76.96 MHz<br/>&lt;5500 MHz ~ 5700 MHz &gt;<br/>802.11a : 16.43 MHz<br/>802.11n HT20 : 17.63 MHz<br/>802.11n HT40 : 36.16 MHz<br/>802.11ac VHT80 : 75.40 MHz<br/>802.11ac VHT160 : 154.65 MHz<br/>802.11ax HE20 : 18.93 MHz<br/>802.11ax HE40 : 37.86 MHz<br/>802.11ax HE80 : 77.08 MHz<br/>802.11ax HE160 : 156.08 MHz</p>                                                                                     |
| Antenna Type / Gain    | <p>&lt;5150 MHz ~ 5250 MHz&gt;<br/>&lt;Ant. 1&gt; : Fixed Internal Antenna with gain 0.50 dBi<br/>&lt;Ant. 2&gt; : Fixed Internal Antenna with gain -1.50 dBi<br/>&lt;5250 MHz ~ 5350 MHz&gt;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

|                                     |                                                                                                                                                                                                                                                                       |               |               |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|
|                                     | <Ant. 1> : Fixed Internal Antenna with gain 0.50 dBi<br><Ant. 2> : Fixed Internal Antenna with gain -1.50 dBi<br><b>&lt;5470 MHz ~ 5725 MHz&gt;</b><br><Ant. 1> : Fixed Internal Antenna with gain -1.50 dBi<br><Ant. 2> : Fixed Internal Antenna with gain -1.50 dBi |               |               |
| <b>Type of Modulation</b>           | 802.11a/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)<br>802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)<br>802.11ax: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM / 1024QAM / 4096QAM)                                                                                   |               |               |
| <b>Antenna Function Description</b> |                                                                                                                                                                                                                                                                       | <b>Ant. 1</b> | <b>Ant. 2</b> |
|                                     | 802.11<br>a/n/ac/ax<br>SISO/MIMO                                                                                                                                                                                                                                      | V             | V             |

**Note:**

1. WLAN 5G Ant. 1 / Ant. 2 corresponding to EUT Photo Ant. 13 / Ant. 9
2. WLAN operation in 5600 MHz ~ 5650 MHz is notched.
3. For 802.11n HT20 / ac VHT20 and 802.11n HT40 / ac VHT40 mode, the whole testing have assessed only 802.11n HT20/HT40 by referring to their maximum conducted power.
4. 802.11ax support full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) are tested, only the worse data were reported.
5. WLAN 5G supports MIMO and SISO mode, the whole testing have assessed the MIMO mode by referring to their maximum conducted power.

## 1.5 Modification of EUT

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



## 1.6 Testing Location

Sporton International (Shenzhen) Inc. is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

|                           |                                                                                                                                                                         |                            |                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <b>Test Firm</b>          | Sporton International (Shenzhen) Inc.                                                                                                                                   |                            |                                       |
| <b>Test Site Location</b> | 1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China<br>TEL: +86-755-86379589<br>FAX: +86-755-86379595 |                            |                                       |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                                                 | <b>FCC Designation No.</b> | <b>FCC Test Firm Registration No.</b> |
|                           | CO01-SZ<br>TH01-SZ                                                                                                                                                      | CN1256                     | 421272                                |

|                           |                                                                                                                                                                                           |                            |                                       |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <b>Test Firm</b>          | Sporton International (Shenzhen) Inc.                                                                                                                                                     |                            |                                       |
| <b>Test Site Location</b> | 101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103<br>TEL: +86-755-33202398 |                            |                                       |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                                                                   | <b>FCC Designation No.</b> | <b>FCC Test Firm Registration No.</b> |
|                           | 03CH01-SZ                                                                                                                                                                                 | CN1256                     | 421272                                |

## 1.7 Test Software

| Item | Site      | Manufacturer | Name | Version     |
|------|-----------|--------------|------|-------------|
| 1.   | 03CH01-SZ | AUDIX        | E3   | 6.2009-8-24 |
| 2.   | CO01-SZ   | AUDIX        | E3   | 6.120613b   |



## 1.8 Applicable Standards

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

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

### **Remark:**

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

## 2 Test Configuration of Equipment Under Test

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

### 2.1 Carrier Frequency and Channel

| Frequency Band            | Channel          | Freq. (MHz) | Channel | Freq. (MHz) |
|---------------------------|------------------|-------------|---------|-------------|
| 5150-5250 MHz<br>U-NII-1  | 36               | 5180        | 44      | 5220        |
|                           | 38*              | 5190        | 46*     | 5230        |
|                           | 40               | 5200        | 48      | 5240        |
|                           | 42 <sup>#</sup>  | 5210        |         |             |
| Frequency Band            | Channel          | Freq. (MHz) | Channel | Freq. (MHz) |
| 5250-5350 MHz<br>U-NII-2A | 52               | 5260        | 60      | 5300        |
|                           | 54*              | 5270        | 62*     | 5310        |
|                           | 56               | 5280        | 64      | 5320        |
|                           | 58 <sup>#</sup>  | 5290        |         |             |
| Frequency Band            | Channel          | Freq. (MHz) | Channel | Freq. (MHz) |
| 5470-5725 MHz<br>U-NII-2C | 100              | 5500        | 112     | 5560        |
|                           | 102*             | 5510        | 116     | 5580        |
|                           | 104              | 5520        | 132     | 5660        |
|                           | 106 <sup>#</sup> | 5530        | 134*    | 5670        |
|                           | 108              | 5540        | 136     | 5680        |
|                           | 110*             | 5550        | 140     | 5700        |



| Frequency Band | Channel          | Freq.<br>(MHz) | Channel | Freq.<br>(MHz) |
|----------------|------------------|----------------|---------|----------------|
| TDWR Channel   | 118*             | 5590           | 124     | 5620           |
|                | 120              | 5600           | 126*    | 5630           |
|                | 122 <sup>#</sup> | 5610           | 128     | 5640           |

**Note:**

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

## 2.2 Test Mode

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

| Modulation      | Data Rate |
|-----------------|-----------|
| 802.11a         | 6 Mbps    |
| 802.11n HT20    | MCS0      |
| 802.11n HT40    | MCS0      |
| 802.11ac VHT80  | MCS0      |
| 802.11ac VHT160 | MCS0      |
| 802.11ax HE20   | MCS0      |
| 802.11ax HE40   | MCS0      |
| 802.11ax HE80   | MCS0      |
| 802.11ax HE160  | MCS0      |

| Co-location                                                     |
|-----------------------------------------------------------------|
| 802.11ax HE40 CH62 TX + LTE Band 48 Link                        |
| 802.11n HT40 CH03 TX + 802.11ax HE40 CH62 TX + LTE Band 48 Link |

| Test Cases                                                                                                   |                                                                                                       |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| AC<br>Conducted<br>Emission                                                                                  | Mode 1 : GSM850 Idle + Bluetooth Link + WLAN(5G)Link + USB Cable 1(Charging from Adapter1) + Battery1 |
| <b>Remark:</b><br>For Radiated Test Cases, The tests were performance with Adapter 1, Battery 1, USB Cable 1 |                                                                                                       |



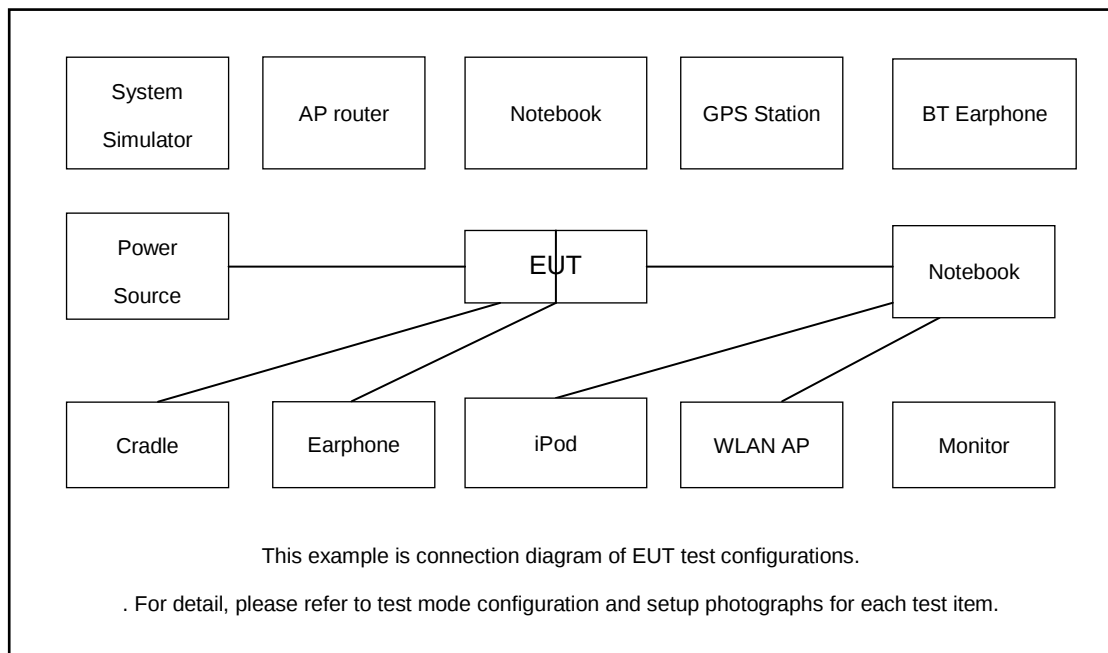
| Ch. # |        | U-NII-1 : 5150-5250 MHz | U-NII-2A : 5250-5350 MHz | U-NII-2C : 5470-5725MHz |
|-------|--------|-------------------------|--------------------------|-------------------------|
|       |        | 802.11a                 | 802.11a                  | 802.11a                 |
| L     | Low    | 36                      | 52                       | 100                     |
| M     | Middle | 44                      | 60                       | 116                     |
| H     | High   | 48                      | 64                       | 140                     |

| Ch. # |        | U-NII-1 : 5150-5250 MHz | U-NII-2A : 5250-5350 MHz | U-NII-2C : 5470-5725MHz |
|-------|--------|-------------------------|--------------------------|-------------------------|
|       |        | 802.11n HT20            | 802.11n HT20             | 802.11n HT20            |
| L     | Low    | 36                      | 52                       | 100                     |
| M     | Middle | 44                      | 60                       | 116                     |
| H     | High   | 48                      | 64                       | 140                     |

| Ch. # |        | U-NII-1 : 5150-5250 MHz | U-NII-2A : 5250-5350 MHz | U-NII-2C : 5470-5725MHz |
|-------|--------|-------------------------|--------------------------|-------------------------|
|       |        | 802.11n HT40            | 802.11n HT40             | 802.11n HT40            |
| L     | Low    | 38                      | 54                       | 102                     |
| M     | Middle | -                       | -                        | 110                     |
| H     | High   | 46                      | 62                       | 134                     |

| Ch. # |        | U-NII-1 : 5150-5250 MHz | U-NII-2A : 5250-5350 MHz | U-NII-2C : 5470-5725MHz |
|-------|--------|-------------------------|--------------------------|-------------------------|
|       |        | 802.11ac VHT80          | 802.11ac VHT80           | 802.11ac VHT80          |
| L     | Low    | -                       | -                        | -                       |
| M     | Middle | 42                      | 58                       | 106                     |
| H     | High   | -                       | -                        | -                       |

## 2.3 Connection Diagram of Test System



## 2.4 Support Unit used in test configuration and system

| Item | Equipment          | Trade Name | Model Name | FCC ID      | Data Cable                                           | Power Cord      |
|------|--------------------|------------|------------|-------------|------------------------------------------------------|-----------------|
| 1.   | Base Station(LTE)  | Anritsu    | MT8820C    | N/A         | N/A                                                  | Unshielded,1.8m |
| 2.   | Notebook           | Lenovo     | E540       | FCC DoC     | AC I/P : Unshielded, 1.2m<br>DC O/P : Shielded, 1.8m | N/A             |
| 3.   | Bluetooth Earphone | Samsung    | EO-MG900   | PYAHS-107W  | N/A                                                  | N/A             |
| 4.   | WLAN AP            | Dlink      | DIR-820L   | KA2IR820LA1 | N/A                                                  | Unshielded,1.8m |



## 2.5 EUT Operation Test Setup

For WLAN RF test items, an engineering test program was provided and enabled to make EUT continuous transmit/receive.

For AC power line conducted emissions, the EUT was set to connect with the WLAN AP under large package sizes transmission.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

Following shows an offset computation example with cable loss 2.8 dB and 10dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 2.8 + 10 = 12.8 \text{ (dB)}\end{aligned}$$

### 3 Test Result

#### 3.1 26dB & 99% Occupied Bandwidth Measurement

##### 3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

For Straddle Channel, According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, If the power and PSD of the devices are uniform and comply with the lower limits specified for the U-NII-2 bands, a single measurement over the entire emission bandwidth can be performed to show compliance.

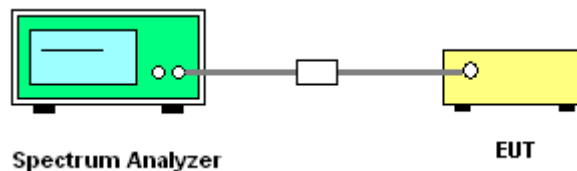
##### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

##### 3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. Section C) Emission bandwidth
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW > RBW.
4. Detector = Peak.
5. Trace mode = max hold
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
7. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) is set 1MHz and set the Video bandwidth (VBW)  $\geq 3 * \text{RBW}$ .
8. Measure and record the results in the test report.

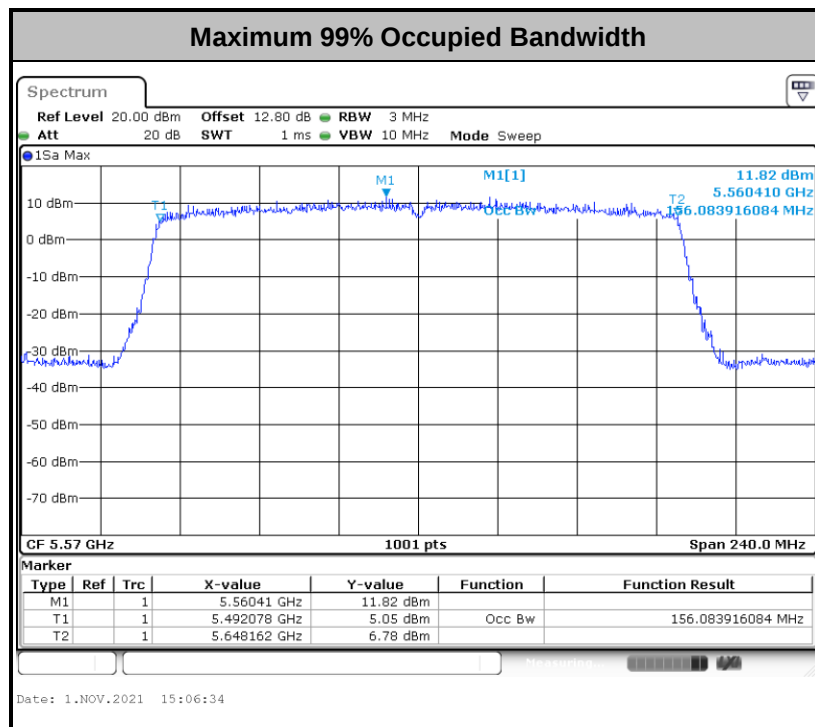
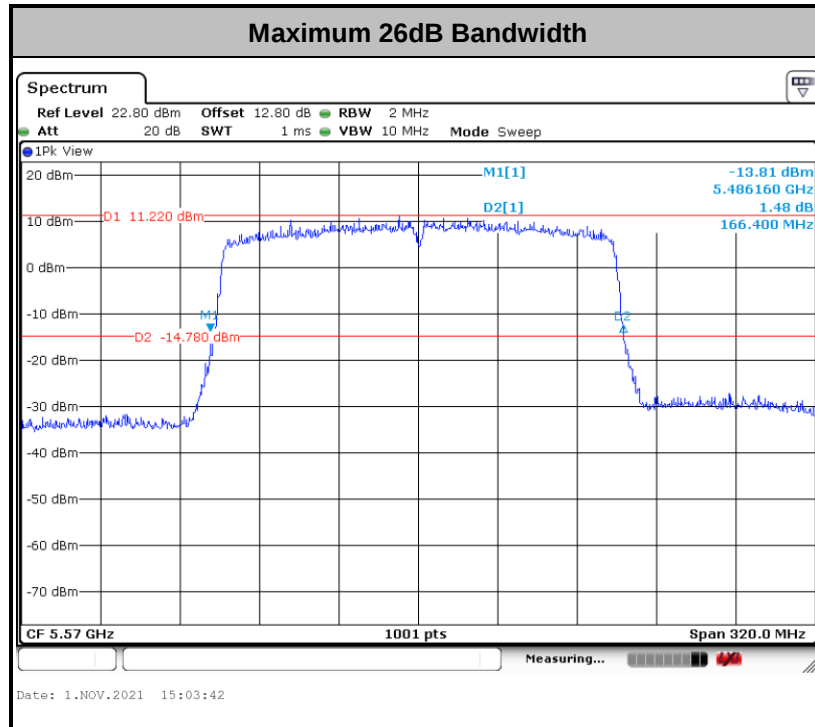
##### 3.1.4 Test Setup





### 3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

Please refer to Appendix A.



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



## **3.2 Maximum Conducted Output Power Measurement**

### **3.2.1 Limit of Maximum Conducted Output Power**

#### **<FCC 14-30 CFR 15.407>**

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

For the 5.25–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm  $10 \log B$ , where B is the 26 dB emission bandwidth in megahertz.

For the 5.47–5.6 GHz and 5.65–5.725 GHz band, the maximum conducted output power shall not exceed 250 mW or  $11 + 10 \log_{10} B$ , dBm, whichever power is less. The maximum e.i.r.p. shall not exceed 1.0 W or  $17 + 10 \log_{10} B$ , dBm, whichever is less. B is the 99% emission bandwidth in megahertz.

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.

Note that U-NII-2 band, devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

### **3.2.2 Measuring Instruments**

The measuring equipment is listed in the section 4 of this test report.

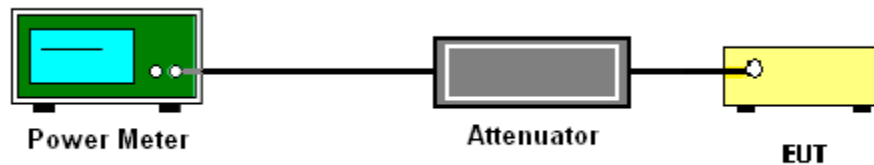
### 3.2.3 Test Procedures

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

Method PM (Measurement using an RF average power meter):

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor,  $10 \log(1/x)$ , where  $x$  is the duty cycle.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



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

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

**<FCC 14-30 CFR 15.407>**

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.

For the 5.25–5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.

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

#### **3.3.2 Measuring Instruments**

The measuring equipment is listed in the section 4 of this test report.



### 3.3.3 Test Procedures

The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

Section F) Maximum power spectral density.

#### # Method SA-2 #

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

- Measure the duty cycle.
  - Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Sweep time = auto.
  - Detector = RMS
  - Trace average at least 100 traces in power averaging mode.
  - Add  $10 \log(1/x)$ , where  $x$  is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add  $10 \log(1/0.25) = 6$  dB if the duty cycle is 25 percent.
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
  2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.
  3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

Method (a): Measure and sum the spectra across the outputs.

The total final Power Spectral Density is the bin-by-bin summation to obtain the combined spectrum. For the device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 to obtain the value for the first frequency bin of the summed spectrum.

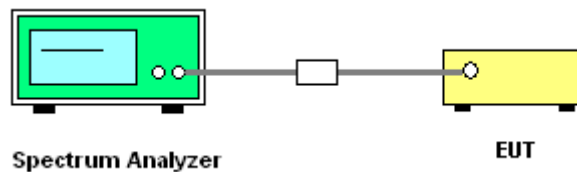
Method (b): Measure and sum spectral maxima across the outputs.

The measurement on each individual output were performed with the same span and number on each individual output. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs.

Method (c): Measure and add  $10 \log(N_{\text{ANT}})$  dB, where  $N_{\text{ANT}}$  is the number of outputs.

The measurement on each individual output were performed with the same span and number on each individual output. The quantity  $10 \log(N_{\text{ANT}})$  dB is added to each spectrum value before comparing to the emission limit.

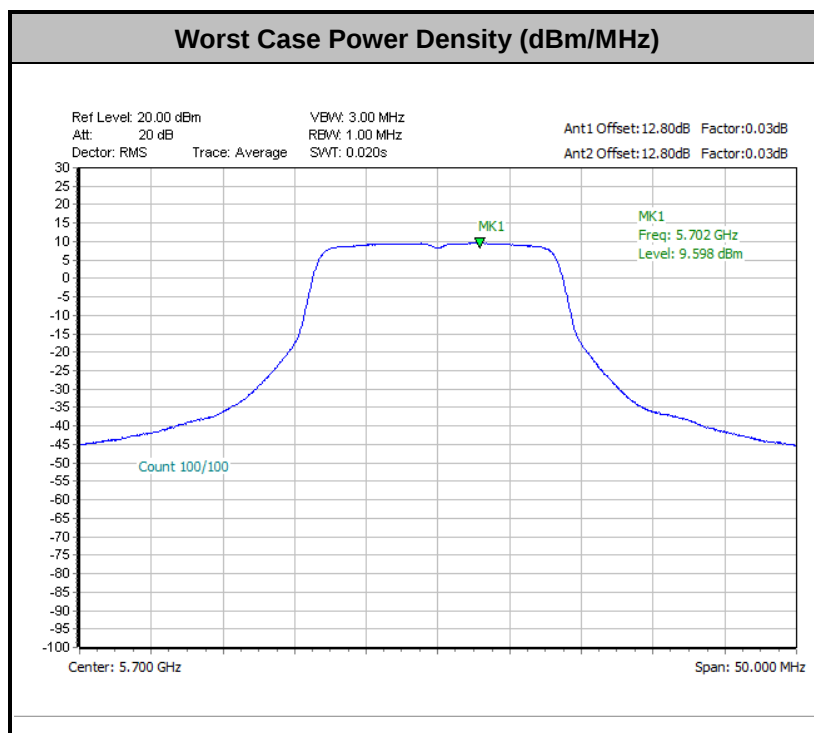
### 3.3.4 Test Setup





### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



**Note:** Average Power Density (dB) = Measured value+ Duty Factor



### 3.4 Unwanted Emissions Measurement

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

#### 3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5725 MHz band: all emissions outside of the 5470-5725 MHz band shall not exceed an EIRP of -27 dBm/MHz.

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

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

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

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

$$\text{EIRP} = E_{\text{Meas}} + 20\log(d_{\text{Meas}}) - 104.7$$

where

EIRP is the equivalent isotropically radiated power, in dBm

$E_{\text{Meas}}$  is the field strength of the emission at the measurement distance, in dBμV/m

$d_{\text{Meas}}$  is the measurement distance, in m

(3) ANSI C63.10-2013 clause 12.7.3 note 97

As specified by regulatory requirements, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit. However, an out-of-band emission that complies with both the average and peak general regulatory limits is not required to satisfy the peak emission limit.

### 3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

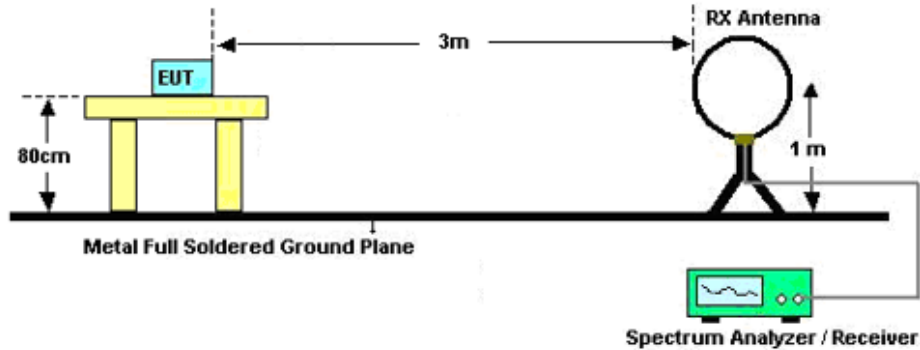


### 3.4.3 Test Procedures

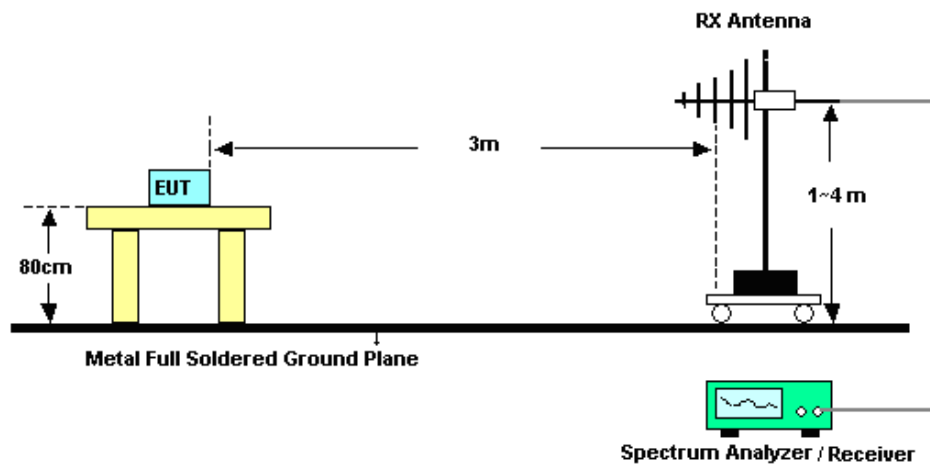
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
Section G) Unwanted emissions measurement.  
  - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
    - RBW = 120 kHz
    - VBW = 300 kHz
    - Detector = Peak
    - Trace mode = max hold
  - (2)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

### 3.4.4 Test Setup

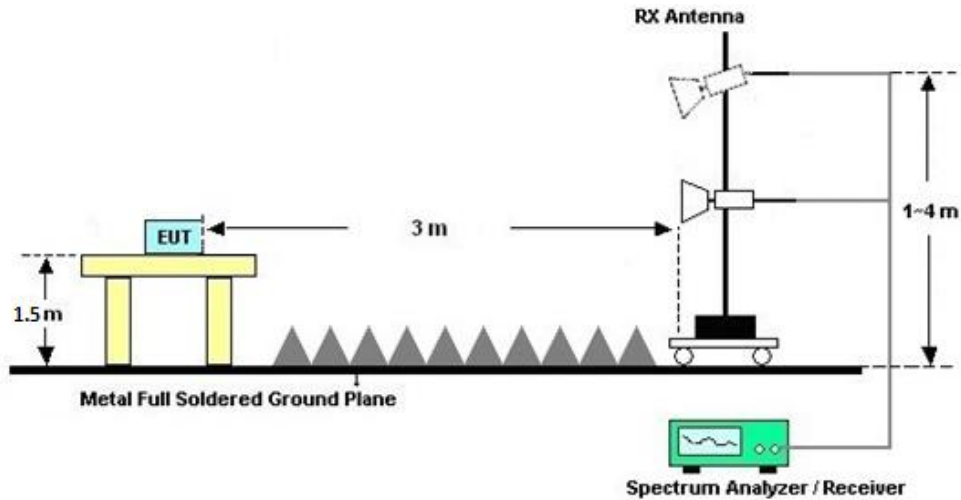
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

### 3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C.

### 3.4.7 Duty Cycle

Please refer to Appendix D.

### 3.4.8 Test Result of Radiated Spurious Emissions (30MHz ~ 10th Harmonic or 40GHz, whichever is lower)

Please refer to Appendix C.

## 3.5 AC Conducted Emission Measurement

### 3.5.1 Limit of AC Conducted Emission

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

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

\*Decreases with the logarithm of the frequency.

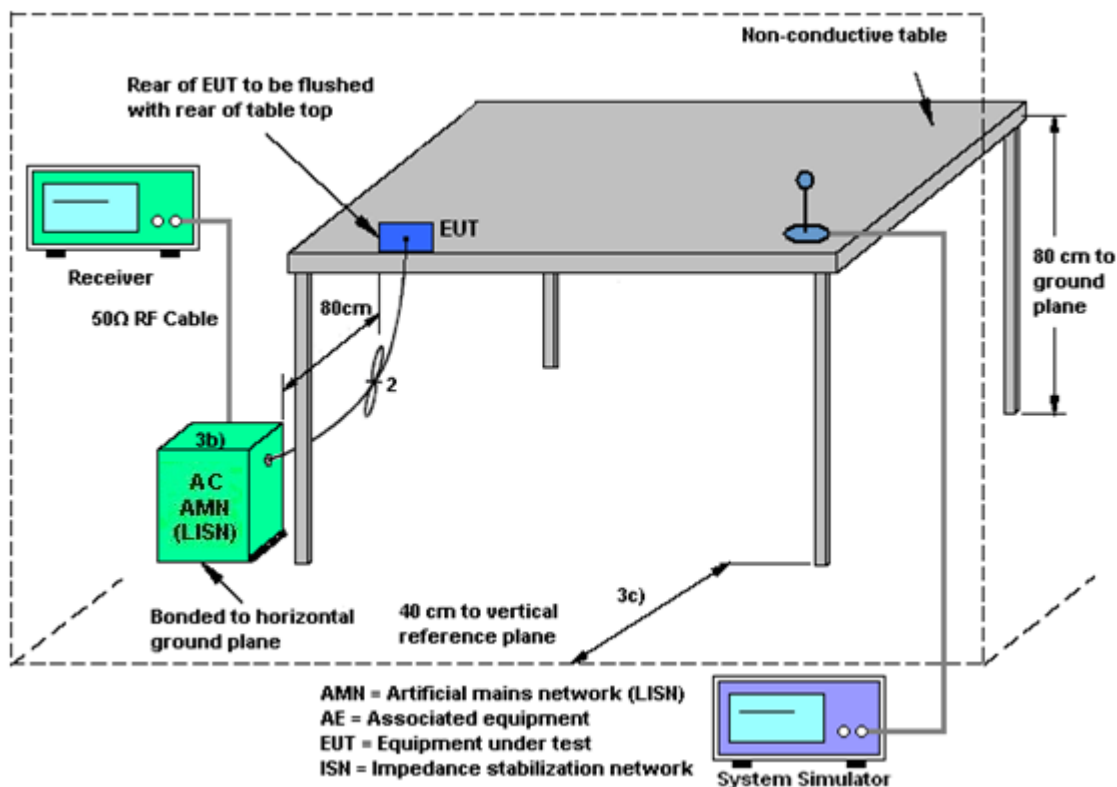
### 3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



### 3.5.5 Test Result of AC Conducted Emission

Please refer to Appendix B.

## 3.6 Antenna Requirements

### 3.6.1 Standard Applicable

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

### 3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

### 3.6.3 Antenna Gain

<CDD Modes >

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = GANT + Array Gain, where Array Gain is as follows.

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

Array Gain =  $10 \log(\text{NANT}/\text{NSS}=1)$  dB.

For power measurements on IEEE 802.11 devices,

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

Directional gain may be calculated by using the formulas applicable to equal gain antennas with GANT set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain GANT is set equal to the antenna having the highest gain, i.e., F)2)f)i).

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

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

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

| <CDD Modes> |                 |                 |                             |                           |                                     |                                   |
|-------------|-----------------|-----------------|-----------------------------|---------------------------|-------------------------------------|-----------------------------------|
|             |                 |                 | DG<br>for<br>Power<br>(dBi) | DG<br>for<br>PSD<br>(dBi) | Power<br>Limit<br>Reduction<br>(dB) | PSD<br>Limit<br>Reduction<br>(dB) |
|             | Ant. 1<br>(dBi) | Ant. 2<br>(dBi) |                             |                           |                                     |                                   |
| Band I      | 0.50            | -1.50           | 0.50                        | 2.57                      | 0.00                                | 0.00                              |
| Band II     | 0.50            | -1.50           | 0.50                        | 2.57                      | 0.00                                | 0.00                              |
| Band III    | -1.50           | -1.50           | -1.50                       | 1.51                      | 0.00                                | 0.00                              |

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

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, ( min = 0 )



## 4 List of Measuring Equipment

| Instrument                        | Manufacturer | Model No.                    | Serial No.   | Characteristics | Calibration Date | Test Date                       | Due Date      | Remark                |
|-----------------------------------|--------------|------------------------------|--------------|-----------------|------------------|---------------------------------|---------------|-----------------------|
| Spectrum Analyzer                 | R&S          | FSV40                        | 101078       | 10Hz~40GHz      | Apr. 08, 2021    | Oct. 31, 2021~<br>Nov. 01, 2021 | Apr. 07, 2022 | Conducted (TH01-SZ)   |
| Pulse Power Sensor                | Anritsu      | MA2411B                      | 1207253      | 30MHz~40GHz     | Dec. 25, 2020    | Oct. 31, 2021~<br>Nov. 01, 2021 | Dec. 24, 2021 | Conducted (TH01-SZ)   |
| Power Meter                       | Anritsu      | ML2495A                      | 1218010      | 50MHz Bandwidth | Dec. 25, 2020    | Oct. 31, 2021~<br>Nov. 01, 2021 | Dec. 24, 2021 | Conducted (TH01-SZ)   |
| EMI Test Receiver&SA              | Agilent      | N9038A                       | MY52260185   | 20Hz~26.5GHz    | Dec. 03, 2020    | Nov. 28, 2021                   | Dec. 02, 2021 | Radiation (03CH01-SZ) |
| EXA Spectrum Analyzer             | KEYSIGHT     | N9010A                       | MY55150213   | 10Hz~44GHz      | Jul. 21, 2021    | Nov. 28, 2021                   | Jul. 20, 2022 | Radiation (03CH01-SZ) |
| Loop Antenna                      | R&S          | HFH2-Z2                      | 100354       | 9kHz~30MHz      | Jun. 22, 2020    | Nov. 28, 2021                   | Jun. 21, 2022 | Radiation (03CH01-SZ) |
| Bilog Antenna                     | TeseQ        | CBL6112D                     | 35407        | 30MHz-2GHz      | Jul. 15, 2021    | Nov. 28, 2021                   | Jul. 14, 2022 | Radiation (03CH01-SZ) |
| Double Ridge Horn Antenna         | ETS-Lindgren | 3117                         | 00119436     | 1GHz~18GHz      | Jul. 25, 2021    | Nov. 28, 2021                   | Jul. 24, 2022 | Radiation (03CH01-SZ) |
| SHF-EHF Horn                      | com-power    | AH-840                       | 101071       | 18GHz-40GHz     | Apr.11, 2021     | Nov. 28, 2021                   | Apr.10, 2022  | Radiation (03CH01-SZ) |
| LF Amplifier                      | Burgeon      | BPA-530                      | 102209       | 0.01~3000MHz    | Apr. 07, 2021    | Nov. 28, 2021                   | Apr. 06, 2022 | Radiation (03CH01-SZ) |
| HF Amplifier                      | MITEQ        | AMF-7D-0010<br>1800-30-10P-R | 1943528      | 1GHz~18GHz      | Oct. 16, 2021    | Nov. 28, 2021                   | Oct. 15, 2022 | Radiation (03CH01-SZ) |
| HF Amplifier                      | KEYSIGHT     | 83017A                       | MY53270105   | 0.5GHz~26.5GHz  | Oct. 16, 2021    | Nov. 28, 2021                   | Oct. 15, 2022 | Radiation (03CH01-SZ) |
| HF Amplifier                      | MITEQ        | TTA1840-35-HG                | 1871923      | 18GHz~40GHz     | Jul. 21, 2021    | Nov. 28, 2021                   | Jul. 20, 2022 | Radiation (03CH01-SZ) |
| AC Power Source                   | Chroma       | 61601                        | 616010001985 | N/A             | NCR              | Nov. 28, 2021                   | NCR           | Radiation (03CH01-SZ) |
| Turn Table                        | EM           | EM1000                       | N/A          | 0~360 degree    | NCR              | Nov. 28, 2021                   | NCR           | Radiation (03CH01-SZ) |
| Antenna Mast                      | EM           | EM1000                       | N/A          | 1 m~4 m         | NCR              | Nov. 28, 2021                   | NCR           | Radiation (03CH01-SZ) |
| EMI Receiver                      | R&S          | ESR7                         | 101630       | 9kHz~7GHz;      | Mar. 08, 2021    | Oct. 30, 2021                   | Mar. 07, 2022 | Conduction (CO01-SZ)  |
| AC LISN                           | R&S          | ENV216                       | 100063       | 9kHz~30MHz      | Sep. 1, 2021     | Oct. 30, 2021                   | Aug. 31, 2022 | Conduction (CO01-SZ)  |
| AC LISN (for auxiliary equipment) | EMCO         | 3816/2SH                     | 00103892     | 9kHz~30MHz      | Oct. 28, 2021    | Oct. 30, 2021                   | Oct. 27, 2022 | Conduction (CO01-SZ)  |
| AC Power Source                   | Chroma       | 61602                        | 616020000891 | 100Vac~250Vac   | Jul. 14, 2021    | Oct. 30, 2021                   | Jul. 13, 2022 | Conduction (CO01-SZ)  |

NCR: No Calibration Required

## 5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage  $K=2$  to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

|                                                                         |       |
|-------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 2.2dB |
|-------------------------------------------------------------------------|-------|

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

|                                                                         |       |
|-------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.2dB |
|-------------------------------------------------------------------------|-------|

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

|                                                                         |       |
|-------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.0dB |
|-------------------------------------------------------------------------|-------|

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

|                                                                         |       |
|-------------------------------------------------------------------------|-------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 4.3dB |
|-------------------------------------------------------------------------|-------|

----- THE END -----



## **Appendix A. Conducted Test Results**

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

|                |                      |                    |       |    |
|----------------|----------------------|--------------------|-------|----|
| Test Engineer: | Chen Hong            | Temperature:       | 21~25 | °C |
| Test Date:     | 2021/10/31~2021/11/1 | Relative Humidity: | 51~54 | %  |

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

| FCC Band I |           |     |     |           |             |                  |       |                               |       |       |                                 |       |          |       |      |           |
|------------|-----------|-----|-----|-----------|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------|-----------|
| Mod.       | Data Rate | NTX | CH. | RU Config | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       |      | Pass/Fail |
|            |           |     |     |           |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |      |           |
| 11a        | 6Mbps     | 2   | 36  | Full      | 5180        | 0.03             | 0.03  | 18.12                         | 17.34 | 20.76 | 24.00                           | 0.50  |          |       | Pass |           |
| 11a        | 6Mbps     | 2   | 44  | Full      | 5220        | 0.03             | 0.03  | 17.62                         | 17.54 | 20.59 | 24.00                           | 0.50  |          |       | Pass |           |
| 11a        | 6Mbps     | 2   | 48  | Full      | 5240        | 0.03             | 0.03  | 17.44                         | 17.68 | 20.57 | 24.00                           | 0.50  |          |       | Pass |           |
| HT20       | MCS0      | 2   | 36  | Full      | 5180        | 0.00             | 0.00  | 17.82                         | 17.31 | 20.58 | 24.00                           | 0.50  |          |       | Pass |           |
| HT20       | MCS0      | 2   | 44  | Full      | 5220        | 0.00             | 0.00  | 17.22                         | 17.27 | 20.26 | 24.00                           | 0.50  |          |       | Pass |           |
| HT20       | MCS0      | 2   | 48  | Full      | 5240        | 0.00             | 0.00  | 17.55                         | 17.86 | 20.72 | 24.00                           | 0.50  |          |       | Pass |           |
| HT40       | MCS0      | 2   | 38  | Full      | 5190        | 0.00             | 0.00  | 17.60                         | 17.24 | 20.43 | 24.00                           | 0.50  |          |       | Pass |           |
| HT40       | MCS0      | 2   | 46  | Full      | 5230        | 0.00             | 0.00  | 17.49                         | 17.76 | 20.64 | 24.00                           | 0.50  |          |       | Pass |           |
| VHT20      | MCS0      | 2   | 36  | Full      | 5180        | 0.00             | 0.00  | 17.76                         | 17.28 | 20.54 | 24.00                           | 0.50  |          |       | Pass |           |
| VHT20      | MCS0      | 2   | 44  | Full      | 5220        | 0.00             | 0.00  | 17.20                         | 17.22 | 20.22 | 24.00                           | 0.50  |          |       | Pass |           |
| VHT20      | MCS0      | 2   | 48  | Full      | 5240        | 0.00             | 0.00  | 17.46                         | 17.83 | 20.66 | 24.00                           | 0.50  |          |       | Pass |           |
| VHT40      | MCS0      | 2   | 38  | Full      | 5190        | 0.00             | 0.00  | 17.56                         | 17.23 | 20.41 | 24.00                           | 0.50  |          |       | Pass |           |
| VHT40      | MCS0      | 2   | 46  | Full      | 5230        | 0.00             | 0.00  | 17.46                         | 17.73 | 20.61 | 24.00                           | 0.50  |          |       | Pass |           |
| VHT80      | MCS0      | 2   | 42  | Full      | 5210        | 0.00             | 0.00  | 17.28                         | 17.26 | 20.28 | 24.00                           | 0.50  |          |       | Pass |           |
| VHT160     | MCS0      | 2   | 50  | Full      | 5250        | 0.00             | 0.00  | 14.64                         | 14.98 | 17.82 | 24.00                           | 0.50  |          |       | Pass |           |
| HE20       | MCS0      | 2   | 36  | Full      | 5180        | 0.00             | 0.00  | 17.90                         | 17.25 | 20.60 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | 26/0      |             | 0.00             | 0.00  | 8.26                          | 8.04  | 11.16 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | 52/37     |             | 0.00             | 0.00  | 11.21                         | 11.01 | 14.12 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | 106/53    |             | 0.00             | 0.00  | 14.50                         | 14.42 | 17.47 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     | 44  | Full      | 5220        | 0.00             | 0.00  | 17.40                         | 17.39 | 20.41 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | Full      |             | 0.00             | 0.00  | 17.25                         | 17.55 | 20.41 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | 26/8      |             | 0.00             | 0.00  | 7.82                          | 8.05  | 10.95 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | 52/40     |             | 0.00             | 0.00  | 10.63                         | 10.86 | 13.76 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     | 48  | 106/54    | 0.00        | 0.00             | 14.02 | 14.28                         | 17.16 | 24.00 | 0.50                            |       |          | Pass  |      |           |
|            |           |     |     | Full      | 0.00        | 0.00             | 17.65 | 17.24                         | 20.46 | 24.00 | 0.50                            |       |          | Pass  |      |           |
| HE40       | MCS0      | 2   | 38  | 242/61    | 5190        | 0.00             | 0.00  | 17.57                         | 17.34 | 20.47 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | Full      |             | 0.00             | 0.00  | 17.22                         | 17.33 | 20.29 | 24.00                           | 0.50  |          |       | Pass |           |
| HE80       | MCS0      | 2   | 42  | 242/62    | 5210        | 0.00             | 0.00  | 17.12                         | 17.29 | 20.22 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | Full      |             | 0.00             | 0.00  | 17.52                         | 17.57 | 20.56 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | 484/65    |             | 0.00             | 0.00  | 16.22                         | 16.14 | 19.19 | 24.00                           | 0.50  |          |       | Pass |           |
| HE160      | MCS0      | 2   | 50  | 484/66    | 5250        | 0.00             | 0.00  | 17.35                         | 17.11 | 20.24 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | Full      |             | 0.00             | 0.00  | 14.95                         | 15.38 | 18.18 | 24.00                           | 0.50  |          |       | Pass |           |
|            |           |     |     | 996/67    |             | 0.00             | 0.00  | 15.67                         | 16.18 | 18.94 | 24.00                           | 0.50  |          |       | Pass |           |

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

| FCC Band II |           |      |       |           |             |                  |       |                               |       |       |                                 |       |          |       |                        |           |       |      |
|-------------|-----------|------|-------|-----------|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|-------|------|
| Mod.        | Data Rate | NTX  | CH.   | RU Config | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |       |      |
|             |           |      |       |           |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |       |      |
| 11a         | 6Mbps     | 2    | 52    | Full      | 5260        | 0.03             | 0.03  | 17.56                         | 17.35 | 20.47 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| 11a         | 6Mbps     | 2    | 60    | Full      | 5300        | 0.03             | 0.03  | 17.34                         | 17.35 | 20.36 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| 11a         | 6Mbps     | 2    | 64    | Full      | 5320        | 0.03             | 0.03  | 17.80                         | 17.48 | 20.65 | 23.96                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| HT20        | MCS0      | 2    | 52    | Full      | 5260        | 0.00             | 0.00  | 17.70                         | 17.62 | 20.67 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| HT20        | MCS0      | 2    | 60    | Full      | 5300        | 0.00             | 0.00  | 17.46                         | 17.63 | 20.56 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| HT20        | MCS0      | 2    | 64    | Full      | 5320        | 0.00             | 0.00  | 17.56                         | 17.32 | 20.45 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| HT40        | MCS0      | 2    | 54    | Full      | 5270        | 0.00             | 0.00  | 17.48                         | 17.57 | 20.54 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| HT40        | MCS0      | 2    | 62    | Full      | 5310        | 0.00             | 0.00  | 16.68                         | 16.37 | 19.54 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| VHT20       | MCS0      | 2    | 52    | Full      | 5260        | 0.00             | 0.00  | 17.68                         | 17.60 | 20.65 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| VHT20       | MCS0      | 2    | 60    | Full      | 5300        | 0.00             | 0.00  | 17.43                         | 17.61 | 20.53 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| VHT20       | MCS0      | 2    | 64    | Full      | 5320        | 0.00             | 0.00  | 17.53                         | 17.30 | 20.43 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| VHT40       | MCS0      | 2    | 54    | Full      | 5270        | 0.00             | 0.00  | 17.44                         | 17.54 | 20.50 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| VHT40       | MCS0      | 2    | 62    | Full      | 5310        | 0.00             | 0.00  | 17.75                         | 17.55 | 20.66 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| VHT80       | MCS0      | 2    | 58    | Full      | 5290        | 0.00             | 0.00  | 16.37                         | 16.42 | 19.41 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| HE20        | MCS0      | 2    | 52    | Full      | 5260        | 0.00             | 0.00  | 17.38                         | 17.26 | 20.33 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
|             |           |      |       | 26/0      |             | 0.00             | 0.00  | 7.85                          | 7.67  | 10.77 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
|             |           |      |       | 52/37     |             | 0.00             | 0.00  | 10.66                         | 10.58 | 13.63 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
|             |           |      |       | 106/53    |             | 0.00             | 0.00  | 14.09                         | 13.84 | 16.98 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
|             |           |      | 60    | Full      | 5300        | 0.00             | 0.00  | 17.27                         | 17.25 | 20.27 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
|             |           |      |       | 64        |             | Full             | 5320  | 0.00                          | 0.00  | 17.63 | 17.38                           | 20.52 | 23.98    |       | 0.50                   |           | 26.99 | Pass |
|             |           |      |       |           |             | 26/8             |       | 0.00                          | 0.00  | 8.11  | 7.81                            | 10.97 | 23.98    |       | 0.50                   |           | 26.99 | Pass |
|             |           |      |       |           |             | 52/40            |       | 0.00                          | 0.00  | 11.16 | 10.75                           | 13.97 | 23.98    |       | 0.50                   |           | 26.99 | Pass |
| 106/54      | 0.00      | 0.00 | 14.29 |           | 14.03       | 17.17            |       | 23.98                         |       | 0.50  |                                 | 26.99 | Pass     |       |                        |           |       |      |
| HE40        | MCS0      | 2    | 54    | Full      | 5270        | 0.00             | 0.00  | 17.23                         | 17.28 | 20.27 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
|             |           |      |       | 242/61    |             | 0.00             | 0.00  | 17.09                         | 17.14 | 20.13 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
|             |           |      | 62    | Full      | 5310        | 0.00             | 0.00  | 16.76                         | 16.42 | 19.60 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
|             |           |      |       | 242/62    |             | 0.00             | 0.00  | 17.52                         | 17.06 | 20.31 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
| HE80        | MCS0      | 2    | 58    | Full      | 5290        | 0.00             | 0.00  | 15.46                         | 15.52 | 18.50 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
|             |           |      |       | 484/65    |             | 0.00             | 0.00  | 17.08                         | 17.12 | 20.11 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |
|             |           |      |       | 484/66    |             | 0.00             | 0.00  | 15.12                         | 14.72 | 17.93 | 23.98                           |       | 0.50     |       | 26.99                  | Pass      |       |      |

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

| FCC Band III |           |     |     |           |             |                  |       |                               |       |       |                                 |       |          |       |                        |           |
|--------------|-----------|-----|-----|-----------|-------------|------------------|-------|-------------------------------|-------|-------|---------------------------------|-------|----------|-------|------------------------|-----------|
| Mod.         | Data Rate | NTx | CH. | RU Config | Freq. (MHz) | Duty Factor (dB) |       | Average Conducted Power (dBm) |       |       | FCC Conducted Power Limit (dBm) |       | DG (dBi) |       | EIRP Power Limit (dBm) | Pass/Fail |
|              |           |     |     |           |             | Ant 1            | Ant 2 | Ant 1                         | Ant 2 | SUM   | Ant 1                           | Ant 2 | Ant 1    | Ant 2 |                        |           |
| 11a          | 6Mbps     | 2   | 100 | Full      | 5500        | 0.03             | 0.03  | 17.59                         | 17.24 | 20.43 | 23.96                           |       | -1.50    | 26.99 | Pass                   |           |
| 11a          | 6Mbps     | 2   | 116 | Full      | 5580        | 0.03             | 0.03  | 17.41                         | 17.40 | 20.42 | 23.96                           |       | -1.50    | 26.99 | Pass                   |           |
| 11a          | 6Mbps     | 2   | 140 | Full      | 5700        | 0.03             | 0.03  | 17.81                         | 17.52 | 20.68 | 23.97                           |       | -1.50    | 26.99 | Pass                   |           |
| HT20         | MCS0      | 2   | 100 | Full      | 5500        | 0.00             | 0.00  | 17.66                         | 17.58 | 20.63 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| HT20         | MCS0      | 2   | 116 | Full      | 5580        | 0.00             | 0.00  | 17.51                         | 17.68 | 20.61 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| HT20         | MCS0      | 2   | 140 | Full      | 5700        | 0.00             | 0.00  | 17.52                         | 17.30 | 20.42 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| HT40         | MCS0      | 2   | 102 | Full      | 5510        | 0.00             | 0.00  | 17.44                         | 17.28 | 20.37 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| HT40         | MCS0      | 2   | 110 | Full      | 5550        | 0.00             | 0.00  | 17.61                         | 17.56 | 20.60 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| HT40         | MCS0      | 2   | 134 | Full      | 5670        | 0.00             | 0.00  | 17.82                         | 17.51 | 20.68 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| VHT20        | MCS0      | 2   | 100 | Full      | 5500        | 0.00             | 0.00  | 17.64                         | 17.53 | 20.60 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| VHT20        | MCS0      | 2   | 116 | Full      | 5580        | 0.00             | 0.00  | 17.48                         | 17.66 | 20.58 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| VHT20        | MCS0      | 2   | 140 | Full      | 5700        | 0.00             | 0.00  | 17.50                         | 17.28 | 20.40 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| VHT40        | MCS0      | 2   | 102 | Full      | 5510        | 0.00             | 0.00  | 17.42                         | 17.26 | 20.35 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| VHT40        | MCS0      | 2   | 110 | Full      | 5550        | 0.00             | 0.00  | 17.58                         | 17.54 | 20.57 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| VHT40        | MCS0      | 2   | 134 | Full      | 5670        | 0.00             | 0.00  | 17.80                         | 17.50 | 20.66 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| VHT80        | MCS0      | 2   | 106 | Full      | 5530        | 0.00             | 0.00  | 17.49                         | 17.46 | 20.49 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| VHT80        | MCS0      | 2   | 122 | Full      | 5610        | 0.00             | 0.00  | 17.42                         | 17.40 | 20.42 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| VHT160       | MCS0      | 2   | 114 | Full      | 5570        | 0.00             | 0.00  | 15.83                         | 15.49 | 18.67 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| HE20         | MCS0      | 2   | 100 | Full      | 5500        | 0.00             | 0.00  | 17.35                         | 17.22 | 20.30 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     |     | 26/0      |             | 0.00             | 0.00  | 7.96                          | 7.62  | 10.80 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     |     | 52/37     |             | 0.00             | 0.00  | 11.02                         | 10.54 | 13.80 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     |     | 106/53    |             | 0.00             | 0.00  | 14.27                         | 13.62 | 16.97 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     | 140 | Full      | 5700        | 0.00             | 0.00  | 17.24                         | 17.23 | 20.25 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     |     | 26/8      |             | 0.00             | 0.00  | 7.68                          | 7.37  | 10.54 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     |     | 52/40     |             | 0.00             | 0.00  | 10.82                         | 10.23 | 13.55 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     |     | 106/54    |             | 0.00             | 0.00  | 13.96                         | 13.43 | 16.71 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| HE40         | MCS0      | 2   | 102 | Full      | 5510        | 0.00             | 0.00  | 17.58                         | 17.31 | 20.46 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     |     | 242/61    |             | 0.00             | 0.00  | 17.14                         | 17.05 | 20.11 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     | 110 | Full      | 5550        | 0.00             | 0.00  | 17.22                         | 17.26 | 20.25 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     |     | 242/62    |             | 0.00             | 0.00  | 17.82                         | 17.54 | 20.69 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| HE80         | MCS0      | 2   | 106 | Full      | 5530        | 0.00             | 0.00  | 17.33                         | 17.28 | 20.32 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     |     | 484/65    |             | 0.00             | 0.00  | 15.28                         | 14.76 | 18.04 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     | 122 | Full      | 5610        | 0.00             | 0.00  | 17.23                         | 17.35 | 20.30 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     |     | 484/66    |             | 0.00             | 0.00  | 18.01                         | 17.94 | 20.99 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
| HE160        | MCS0      | 2   | 114 | Full      | 5570        | 0.00             | 0.00  | 16.47                         | 16.27 | 19.38 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |
|              |           |     | 114 | 996/67    | 5570        | 0.00             | 0.00  | 16.73                         | 16.30 | 19.53 | 23.98                           |       | -1.50    | 26.99 | Pass                   |           |

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

| Band I |           |     |     |             |                     |        |                       |        |                                    |       |                                   |       |      |
|--------|-----------|-----|-----|-------------|---------------------|--------|-----------------------|--------|------------------------------------|-------|-----------------------------------|-------|------|
| Mod.   | Data Rate | Ntx | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |        | 26 dB Bandwidth (MHz) |        | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | Note |
|        |           |     |     |             | Ant 1               | Ant 2  | Ant 1                 | Ant 2  | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 |      |
| 11a    | 6Mbps     | 2   | 36  | 5180        | 16.43               | 16.38  | 20.60                 | 19.65  | -                                  | -     | 22.14                             |       |      |
| 11a    | 6Mbps     | 2   | 44  | 5220        | 16.43               | 16.38  | 20.45                 | 19.85  | -                                  | -     | 22.14                             |       |      |
| 11a    | 6Mbps     | 2   | 48  | 5240        | 16.43               | 16.43  | 20.45                 | 19.90  | -                                  | -     | 22.16                             |       |      |
| HT20   | MCS0      | 2   | 36  | 5180        | 17.63               | 17.53  | 21.50                 | 20.90  | -                                  | -     | 22.44                             |       |      |
| HT20   | MCS0      | 2   | 44  | 5220        | 17.58               | 17.53  | 21.25                 | 21.20  | -                                  | -     | 22.44                             |       |      |
| HT20   | MCS0      | 2   | 48  | 5240        | 17.63               | 17.53  | 21.30                 | 21.40  | -                                  | -     | 22.44                             |       |      |
| HT40   | MCS0      | 2   | 38  | 5190        | 36.16               | 36.06  | 39.87                 | 39.60  | -                                  | -     | 23.01                             |       |      |
| HT40   | MCS0      | 2   | 46  | 5230        | 36.16               | 36.06  | 39.96                 | 39.60  | -                                  | -     | 23.01                             |       |      |
| VHT80  | MCS0      | 2   | 42  | 5210        | 75.28               | 75.16  | 83.84                 | 82.24  | -                                  | -     | 23.01                             |       |      |
| VHT160 | MCS0      | 2   | 50  | 5250        | 154.65              | 154.17 | 165.76                | 164.80 | -                                  | -     | 23.01                             |       |      |
| HE20   | MCS0      | 2   | 36  | 5180        | 18.93               | 18.88  | 21.70                 | 21.30  | -                                  | -     | 22.76                             |       |      |
| HE20   | MCS0      | 2   | 44  | 5220        | 18.88               | 18.88  | 21.80                 | 21.35  | -                                  | -     | 22.76                             |       |      |
| HE20   | MCS0      | 2   | 48  | 5240        | 18.88               | 18.83  | 21.60                 | 21.35  | -                                  | -     | 22.75                             |       |      |
| HE40   | MCS0      | 2   | 38  | 5190        | 37.76               | 37.76  | 40.50                 | 40.32  | -                                  | -     | 23.01                             |       |      |
| HE40   | MCS0      | 2   | 46  | 5230        | 37.76               | 37.76  | 39.87                 | 40.32  | -                                  | -     | 23.01                             |       |      |
| HE80   | MCS0      | 2   | 42  | 5210        | 76.96               | 76.96  | 82.08                 | 81.92  | -                                  | -     | 23.01                             |       |      |
| HE160  | MCS0      | 2   | 50  | 5250        | 155.84              | 155.84 | 165.76                | 165.12 | -                                  | -     | 23.01                             |       |      |

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

| Band II |           |     |     |             |                     |       |                       |       |                                    |       |                                   |       |                                      |       |      |
|---------|-----------|-----|-----|-------------|---------------------|-------|-----------------------|-------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.    | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |       | 26 dB Bandwidth (MHz) |       | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | Note |
|         |           |     |     |             | Ant 1               | Ant 2 | Ant 1                 | Ant 2 | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 |      |
| 11a     | 6Mbps     | 2   | 52  | 5260        | 16.43               | 16.38 | 20.50                 | 19.90 | 23.14                              |       | 29.14                             |       | 23.98                                |       |      |
| 11a     | 6Mbps     | 2   | 60  | 5300        | 16.38               | 16.38 | 20.15                 | 20.10 | 23.14                              |       | 29.14                             |       | 23.98                                |       |      |
| 11a     | 6Mbps     | 2   | 64  | 5320        | 16.43               | 16.38 | 20.40                 | 19.75 | 23.14                              |       | 29.14                             |       | 23.96                                |       |      |
| HT20    | MCS0      | 2   | 52  | 5260        | 17.63               | 17.53 | 21.65                 | 21.10 | 23.44                              |       | 29.44                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 60  | 5300        | 17.58               | 17.53 | 21.65                 | 20.90 | 23.44                              |       | 29.44                             |       | 23.98                                |       |      |
| HT20    | MCS0      | 2   | 64  | 5320        | 17.63               | 17.53 | 21.45                 | 20.85 | 23.44                              |       | 29.44                             |       | 23.98                                |       |      |
| HT40    | MCS0      | 2   | 54  | 5270        | 36.06               | 36.06 | 39.42                 | 39.24 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40    | MCS0      | 2   | 62  | 5310        | 36.16               | 36.06 | 39.60                 | 39.69 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80   | MCS0      | 2   | 58  | 5290        | 75.28               | 75.16 | 83.68                 | 82.08 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE20    | MCS0      | 2   | 52  | 5260        | 18.93               | 18.83 | 21.70                 | 21.05 | 23.75                              |       | 29.75                             |       | 23.98                                |       |      |
| HE20    | MCS0      | 2   | 60  | 5300        | 18.88               | 18.88 | 21.20                 | 21.55 | 23.76                              |       | 29.76                             |       | 23.98                                |       |      |
| HE20    | MCS0      | 2   | 64  | 5320        | 18.93               | 18.83 | 21.75                 | 21.30 | 23.75                              |       | 29.75                             |       | 23.98                                |       |      |
| HE40    | MCS0      | 2   | 54  | 5270        | 37.76               | 37.76 | 40.32                 | 40.32 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE40    | MCS0      | 2   | 62  | 5310        | 37.76               | 37.76 | 40.14                 | 39.87 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE80    | MCS0      | 2   | 58  | 5290        | 76.96               | 76.96 | 82.88                 | 82.56 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |

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

| Band III |           |     |     |             |                     |        |                       |        |                                    |       |                                   |       |                                      |       |      |
|----------|-----------|-----|-----|-------------|---------------------|--------|-----------------------|--------|------------------------------------|-------|-----------------------------------|-------|--------------------------------------|-------|------|
| Mod.     | Data Rate | NTX | CH. | Freq. (MHz) | 99% Bandwidth (MHz) |        | 26 dB Bandwidth (MHz) |        | IC 99% Bandwidth Power Limit (dBm) |       | IC 99% Bandwidth EIRP Limit (dBm) |       | FCC 26dB Bandwidth Power Limit (dBm) |       | Note |
|          |           |     |     |             | Ant 1               | Ant 2  | Ant 1                 | Ant 2  | Ant 1                              | Ant 2 | Ant 1                             | Ant 2 | Ant 1                                | Ant 2 |      |
| 11a      | 6Mbps     | 2   | 100 | 5500        | 16.43               | 16.38  | 20.55                 | 19.75  | 23.14                              |       | 29.14                             |       | 23.96                                |       |      |
| 11a      | 6Mbps     | 2   | 116 | 5580        | 16.43               | 16.38  | 20.45                 | 19.75  | 23.14                              |       | 29.14                             |       | 23.96                                |       |      |
| 11a      | 6Mbps     | 2   | 140 | 5700        | 16.43               | 16.38  | 20.20                 | 19.80  | 23.14                              |       | 29.14                             |       | 23.97                                |       |      |
| HT20     | MCS0      | 2   | 100 | 5500        | 17.63               | 17.53  | 21.40                 | 20.90  | 23.44                              |       | 29.44                             |       | 23.98                                |       |      |
| HT20     | MCS0      | 2   | 116 | 5580        | 17.63               | 17.53  | 21.35                 | 21.30  | 23.44                              |       | 29.44                             |       | 23.98                                |       |      |
| HT20     | MCS0      | 2   | 140 | 5700        | 17.58               | 17.53  | 21.70                 | 20.90  | 23.44                              |       | 29.44                             |       | 23.98                                |       |      |
| HT40     | MCS0      | 2   | 102 | 5510        | 36.16               | 36.06  | 39.69                 | 39.78  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40     | MCS0      | 2   | 110 | 5550        | 36.16               | 36.16  | 39.51                 | 39.42  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HT40     | MCS0      | 2   | 134 | 5670        | 36.16               | 36.06  | 40.05                 | 39.60  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80    | MCS0      | 2   | 106 | 5530        | 75.40               | 75.16  | 82.56                 | 82.08  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT80    | MCS0      | 2   | 122 | 5610        | 75.28               | 75.28  | 82.56                 | 81.44  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| VHT160   | MCS0      | 2   | 114 | 5570        | 154.65              | 154.41 | 165.12                | 164.16 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE20     | MCS0      | 2   | 100 | 5500        | 18.93               | 18.83  | 21.30                 | 21.15  | 23.75                              |       | 29.75                             |       | 23.98                                |       |      |
| HE20     | MCS0      | 2   | 116 | 5580        | 18.93               | 18.83  | 21.80                 | 21.25  | 23.75                              |       | 29.75                             |       | 23.98                                |       |      |
| HE20     | MCS0      | 2   | 140 | 5700        | 18.88               | 18.83  | 21.65                 | 21.40  | 23.75                              |       | 29.75                             |       | 23.98                                |       |      |
| HE40     | MCS0      | 2   | 102 | 5510        | 37.86               | 37.66  | 40.32                 | 40.23  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE40     | MCS0      | 2   | 110 | 5550        | 37.76               | 37.76  | 40.05                 | 40.23  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE40     | MCS0      | 2   | 134 | 5670        | 37.76               | 37.76  | 40.14                 | 40.32  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE80     | MCS0      | 2   | 106 | 5530        | 77.08               | 76.96  | 82.40                 | 82.08  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE80     | MCS0      | 2   | 122 | 5610        | 77.08               | 77.08  | 82.24                 | 82.24  | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |
| HE160    | MCS0      | 2   | 114 | 5570        | 155.84              | 156.08 | 166.40                | 165.12 | 23.98                              |       | 30.00                             |       | 23.98                                |       |      |

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

| FCC Band I |           |                 |     |           |             |                  |       |                                 |       |       |                             |       |          |       |      |            |
|------------|-----------|-----------------|-----|-----------|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------|------------|
| Mod.       | Data Rate | N <sub>TX</sub> | CH. | RU Config | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       |      | Pass /Fail |
|            |           |                 |     |           |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |      |            |
| 11a        | 6Mbps     | 2               | 36  | Full      | 5180        | 0.03             | 0.03  |                                 |       | 9.23  | 11.00                       |       | 2.57     |       | Pass |            |
| 11a        | 6Mbps     | 2               | 44  | Full      | 5220        | 0.03             | 0.03  |                                 |       | 9.32  | 11.00                       |       | 2.57     |       | Pass |            |
| 11a        | 6Mbps     | 2               | 48  | Full      | 5240        | 0.03             | 0.03  |                                 |       | 9.33  | 11.00                       |       | 2.57     |       | Pass |            |
| HT20       | MCS0      | 2               | 36  | Full      | 5180        | 0.00             | 0.00  |                                 |       | 9.01  | 11.00                       |       | 2.57     |       | Pass |            |
| HT20       | MCS0      | 2               | 44  | Full      | 5220        | 0.00             | 0.00  |                                 |       | 8.77  | 11.00                       |       | 2.57     |       | Pass |            |
| HT20       | MCS0      | 2               | 48  | Full      | 5240        | 0.00             | 0.00  |                                 |       | 9.33  | 11.00                       |       | 2.57     |       | Pass |            |
| HT40       | MCS0      | 2               | 38  | Full      | 5190        | 0.00             | 0.00  |                                 |       | 5.93  | 11.00                       |       | 2.57     |       | Pass |            |
| HT40       | MCS0      | 2               | 46  | Full      | 5230        | 0.00             | 0.00  |                                 |       | 6.21  | 11.00                       |       | 2.57     |       | Pass |            |
| VHT80      | MCS0      | 2               | 42  | Full      | 5210        | 0.00             | 0.00  |                                 |       | 2.69  | 11.00                       |       | 2.57     |       | Pass |            |
| VHT160     | MCS0      | 2               | 50  | Full      | 5250        | 0.00             | 0.00  |                                 |       | -0.81 | 11.00                       |       | 2.57     |       | Pass |            |
| HE20       | MCS0      | 2               | 36  | Full      | 5180        | 0.00             | 0.00  |                                 |       | 8.92  | 11.00                       |       | 2.57     |       | Pass |            |
|            |           |                 |     | 26/0      |             | 0.00             | 0.00  |                                 |       | 8.25  | 11.00                       |       | 2.57     |       | Pass |            |
|            |           |                 |     | 52/37     |             | 0.00             | 0.00  |                                 |       | 8.34  | 11.00                       |       | 2.57     |       | Pass |            |
|            |           |                 |     | 106/53    |             | 0.00             | 0.00  |                                 |       | 8.60  | 11.00                       |       | 2.57     |       | Pass |            |
| HE20       | MCS0      | 2               | 44  | Full      | 5220        | 0.00             | 0.00  |                                 |       | 8.72  | 11.00                       |       | 2.57     |       | Pass |            |
| HE20       | MCS0      | 2               | 48  | Full      | 5240        | 0.00             | 0.00  |                                 |       | 8.73  | 11.00                       |       | 2.57     |       | Pass |            |
|            |           |                 |     | 26/8      |             | 0.00             | 0.00  |                                 | 8.06  | 11.00 |                             | 2.57  | Pass     |       |      |            |
|            |           |                 |     | 52/40     |             | 0.00             | 0.00  |                                 | 8.03  | 11.00 |                             | 2.57  | Pass     |       |      |            |
|            |           |                 |     | 106/54    |             | 0.00             | 0.00  |                                 | 8.34  | 11.00 |                             | 2.57  | Pass     |       |      |            |
| HE40       | MCS0      | 2               | 38  | Full      | 5190        | 0.00             | 0.00  |                                 | 5.90  | 11.00 |                             | 2.57  | Pass     |       |      |            |
|            |           |                 |     | 242/61    |             | 0.00             | 0.00  |                                 | 8.16  | 11.00 |                             | 2.57  | Pass     |       |      |            |
| HE40       | MCS0      | 2               | 46  | Full      | 5230        | 0.00             | 0.00  |                                 | 5.69  | 11.00 |                             | 2.57  | Pass     |       |      |            |
|            |           |                 |     | 242/62    |             | 0.00             | 0.00  |                                 | 7.98  | 11.00 |                             | 2.57  | Pass     |       |      |            |
| HE80       | MCS0      | 2               | 42  | Full      | 5210        | 0.00             | 0.00  |                                 | 3.09  | 11.00 |                             | 2.57  | Pass     |       |      |            |
|            |           |                 |     | 484/65    |             | 0.00             | 0.00  |                                 | 4.83  | 11.00 |                             | 2.57  | Pass     |       |      |            |
|            |           |                 |     | 484/66    |             | 0.00             | 0.00  |                                 | 4.94  | 11.00 |                             | 2.57  | Pass     |       |      |            |
| HE160      | MCS0      | 2               | 50  | Full      | 5250        | 0.00             | 0.00  |                                 | -0.91 | 11.00 |                             | 2.57  | Pass     |       |      |            |
|            |           |                 |     | 996/67    |             | 0.00             | 0.00  |                                 | 2.51  | 11.00 |                             | 2.57  | Pass     |       |      |            |

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

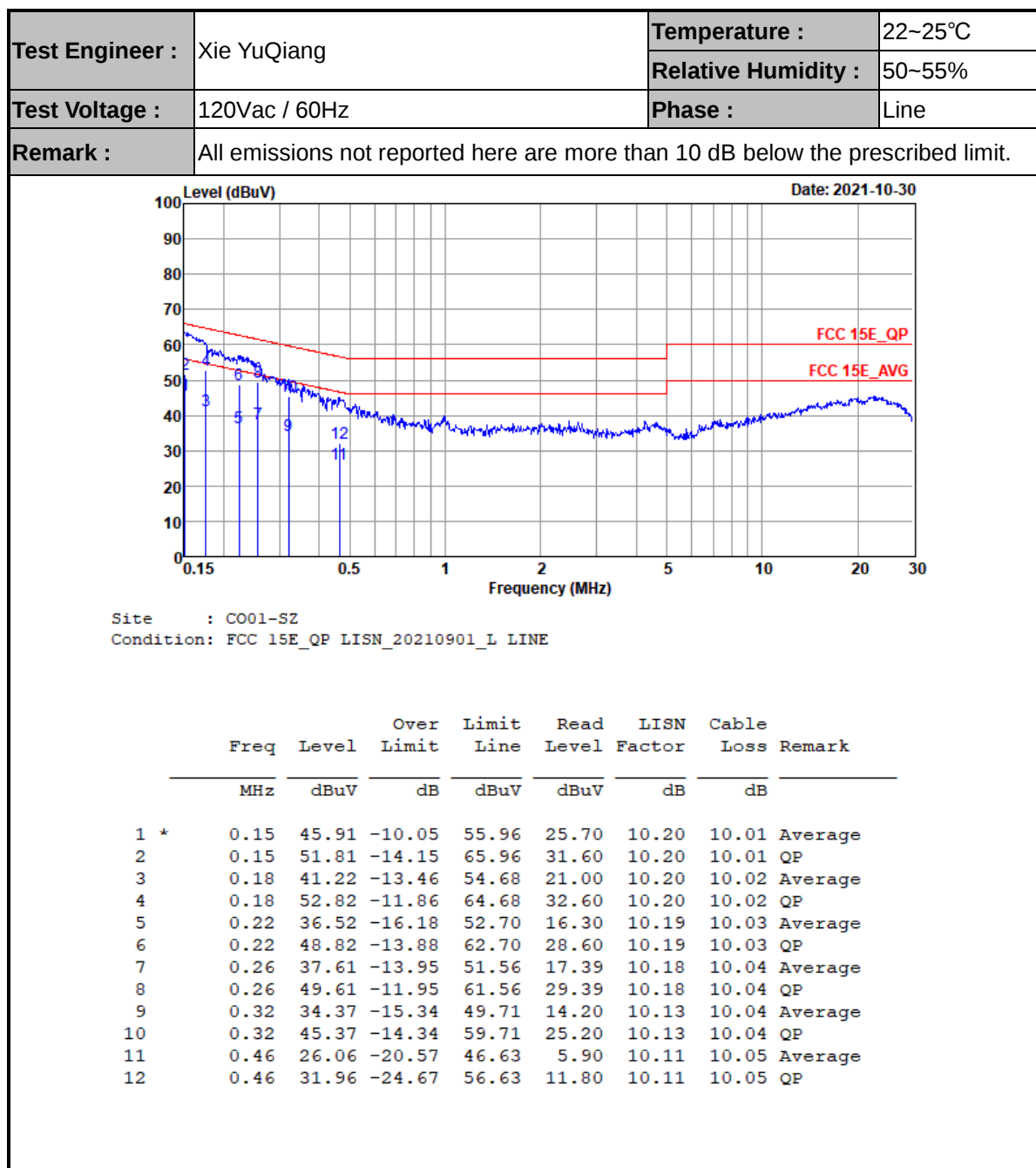
| FCC Band II |           |     |     |           |             |                  |       |                                 |       |      |                             |       |          |       |      |            |
|-------------|-----------|-----|-----|-----------|-------------|------------------|-------|---------------------------------|-------|------|-----------------------------|-------|----------|-------|------|------------|
| Mod.        | Data Rate | NTX | CH. | RU Config | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |      | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       |      | Pass /Fail |
|             |           |     |     |           |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | SUM  | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |      |            |
| 11a         | 6Mbps     | 2   | 52  | Full      | 5260        | 0.03             | 0.03  |                                 |       | 9.26 | 11.00                       | 2.57  |          |       | Pass |            |
| 11a         | 6Mbps     | 2   | 60  | Full      | 5300        | 0.03             | 0.03  |                                 |       | 9.25 | 11.00                       | 2.57  |          |       | Pass |            |
| 11a         | 6Mbps     | 2   | 64  | Full      | 5320        | 0.03             | 0.03  |                                 |       | 9.60 | 11.00                       | 2.57  |          |       | Pass |            |
| HT20        | MCS0      | 2   | 52  | Full      | 5260        | 0.00             | 0.00  |                                 |       | 9.19 | 11.00                       | 2.57  |          |       | Pass |            |
| HT20        | MCS0      | 2   | 60  | Full      | 5300        | 0.00             | 0.00  |                                 |       | 9.11 | 11.00                       | 2.57  |          |       | Pass |            |
| HT20        | MCS0      | 2   | 64  | Full      | 5320        | 0.00             | 0.00  |                                 |       | 8.93 | 11.00                       | 2.57  |          |       | Pass |            |
| HT40        | MCS0      | 2   | 54  | Full      | 5270        | 0.00             | 0.00  |                                 |       | 6.11 | 11.00                       | 2.57  |          |       | Pass |            |
| HT40        | MCS0      | 2   | 62  | Full      | 5310        | 0.00             | 0.00  |                                 |       | 6.37 | 11.00                       | 2.57  |          |       | Pass |            |
| VHT80       | MCS0      | 2   | 58  | Full      | 5290        | 0.00             | 0.00  |                                 |       | 3.06 | 11.00                       | 2.57  |          |       | Pass |            |
| HE20        | MCS0      | 2   | 52  | Full      | 5260        | 0.00             | 0.00  |                                 |       | 8.65 | 11.00                       | 2.57  |          |       | Pass |            |
|             |           |     |     | 26/0      |             | 0.00             | 0.00  | 7.95                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
|             |           |     |     | 52/37     |             | 0.00             | 0.00  | 8.07                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
|             |           |     |     | 106/53    |             | 0.00             | 0.00  | 8.31                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
| HE20        | MCS0      | 2   | 60  | Full      | 5300        | 0.00             | 0.00  | 8.53                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
| HE20        | MCS0      | 2   | 64  | Full      | 5320        | 0.00             | 0.00  | 8.88                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
|             |           |     |     | 26/8      |             | 0.00             | 0.00  | 8.23                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
|             |           |     |     | 52/40     |             | 0.00             | 0.00  | 8.42                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
|             |           |     |     | 106/54    |             | 0.00             | 0.00  | 8.54                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
| HE40        | MCS0      | 2   | 54  | Full      | 5270        | 0.00             | 0.00  | 5.59                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
|             |           |     |     | 242/61    |             | 0.00             | 0.00  | 7.83                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
| HE40        | MCS0      | 2   | 62  | Full      | 5310        | 0.00             | 0.00  | 5.88                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
|             |           |     |     | 242/62    |             | 0.00             | 0.00  | 8.09                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
| HE80        | MCS0      | 2   | 58  | Full      | 5290        | 0.00             | 0.00  | 2.92                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
|             |           |     |     | 484/65    |             | 0.00             | 0.00  | 4.73                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |
|             |           |     |     | 484/66    |             | 0.00             | 0.00  | 4.70                            | 11.00 | 2.57 |                             | Pass  |          |       |      |            |

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

| FCC Band III |           |     |     |        |             |                  |       |                                 |       |       |                             |       |          |       |      |            |
|--------------|-----------|-----|-----|--------|-------------|------------------|-------|---------------------------------|-------|-------|-----------------------------|-------|----------|-------|------|------------|
| Mod.         | Data Rate | NTX | CH. |        | Freq. (MHz) | Duty Factor (dB) |       | Average Power Density (dBm/MHz) |       |       | Average PSD Limit (dBm/MHz) |       | DG (dBi) |       |      | Pass /Fail |
|              |           |     |     |        |             | Ant 1            | Ant 2 | Ant 1                           | Ant 2 | SUM   | Ant 1                       | Ant 2 | Ant 1    | Ant 2 |      |            |
| 11a          | 6Mbps     | 2   | 100 | Full   | 5500        | 0.03             | 0.03  |                                 |       | 9.24  | 11.00                       | 1.51  |          |       | Pass |            |
| 11a          | 6Mbps     | 2   | 116 | Full   | 5580        | 0.03             | 0.03  |                                 |       | 9.34  | 11.00                       | 1.51  |          |       | Pass |            |
| 11a          | 6Mbps     | 2   | 140 | Full   | 5700        | 0.03             | 0.03  |                                 |       | 9.60  | 11.00                       | 1.51  |          |       | Pass |            |
| HT20         | MCS0      | 2   | 100 | Full   | 5500        | 0.00             | 0.00  |                                 |       | 9.11  | 11.00                       | 1.51  |          |       | Pass |            |
| HT20         | MCS0      | 2   | 116 | Full   | 5580        | 0.00             | 0.00  |                                 |       | 9.19  | 11.00                       | 1.51  |          |       | Pass |            |
| HT20         | MCS0      | 2   | 140 | Full   | 5700        | 0.00             | 0.00  |                                 |       | 9.00  | 11.00                       | 1.51  |          |       | Pass |            |
| HT40         | MCS0      | 2   | 102 | Full   | 5510        | 0.00             | 0.00  |                                 |       | 5.93  | 11.00                       | 1.51  |          |       | Pass |            |
| HT40         | MCS0      | 2   | 110 | Full   | 5550        | 0.00             | 0.00  |                                 |       | 6.25  | 11.00                       | 1.51  |          |       | Pass |            |
| HT40         | MCS0      | 2   | 134 | Full   | 5670        | 0.00             | 0.00  |                                 |       | 6.24  | 11.00                       | 1.51  |          |       | Pass |            |
| VHT80        | MCS0      | 2   | 106 | Full   | 5530        | 0.00             | 0.00  |                                 |       | 3.04  | 11.00                       | 1.51  |          |       | Pass |            |
| VHT80        | MCS0      | 2   | 122 | Full   | 5610        | 0.00             | 0.00  |                                 |       | 2.91  | 11.00                       | 1.51  |          |       | Pass |            |
| VHT160       | MCS0      | 2   | 114 | Full   | 5570        | 0.00             | 0.00  |                                 |       | -0.91 | 11.00                       | 1.51  |          |       | Pass |            |
| HE20         | MCS0      | 2   | 100 | Full   | 5500        | 0.00             | 0.00  |                                 |       | 8.58  | 11.00                       | 1.51  |          |       | Pass |            |
|              |           |     |     | 26/0   |             | 0.00             | 0.00  |                                 |       | 8.06  | 11.00                       | 1.51  |          |       | Pass |            |
|              |           |     |     | 52/37  |             | 0.00             | 0.00  |                                 |       | 8.10  | 11.00                       | 1.51  |          |       | Pass |            |
|              |           |     |     | 106/53 |             | 0.00             | 0.00  |                                 |       | 8.23  | 11.00                       | 1.51  |          |       | Pass |            |
| HE20         | MCS0      | 2   | 116 | Full   | 5580        | 0.00             | 0.00  | 8.69                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
| HE20         | MCS0      | 2   | 140 | Full   | 5700        | 0.00             | 0.00  | 8.93                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
|              |           |     |     | 26/8   |             | 0.00             | 0.00  | 7.89                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
|              |           |     |     | 52/40  |             | 0.00             | 0.00  | 8.00                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
|              |           |     |     | 106/54 |             | 0.00             | 0.00  | 8.13                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
| HE40         | MCS0      | 2   | 102 | Full   | 5510        | 0.00             | 0.00  | 5.97                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
|              |           |     |     | 242/61 |             | 0.00             | 0.00  | 7.72                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
| HE40         | MCS0      | 2   | 110 | Full   | 5550        | 0.00             | 0.00  | 5.79                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
| HE40         | MCS0      | 2   | 134 | Full   | 5670        | 0.00             | 0.00  | 6.15                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
|              |           |     |     | 242/62 |             | 0.00             | 0.00  | 8.33                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
| HE80         | MCS0      | 2   | 106 | Full   | 5530        | 0.00             | 0.00  | 2.86                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
|              |           |     |     | 484/65 |             | 0.00             | 0.00  | 4.65                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
| HE80         | MCS0      | 2   | 122 | Full   | 5610        | 0.00             | 0.00  | 2.77                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
|              |           |     |     | 484/66 |             | 0.00             | 0.00  | 5.49                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
| HE160        | MCS0      | 2   | 114 | Full   | 5570        | 0.00             | 0.00  | -0.98                           | 11.00 | 1.51  |                             | Pass  |          |       |      |            |
|              |           |     |     | 996/67 |             | 0.00             | 0.00  | 2.35                            | 11.00 | 1.51  |                             | Pass  |          |       |      |            |

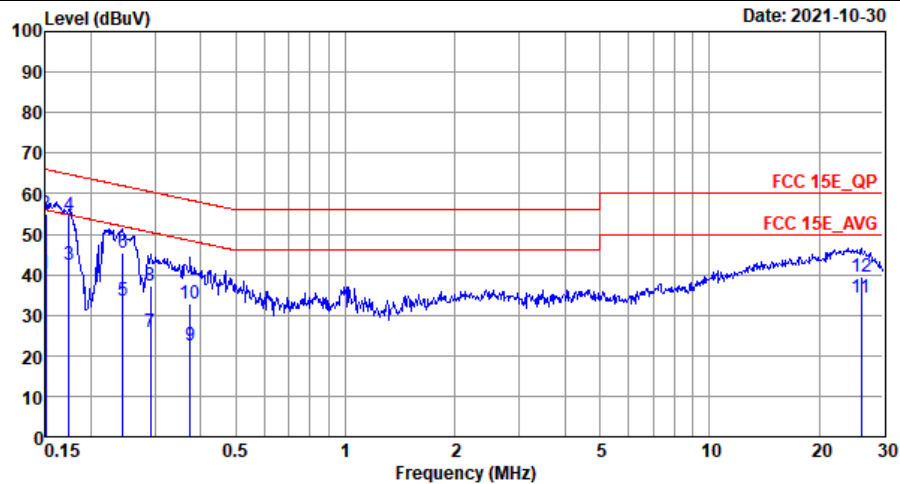


## Appendix B. AC Conducted Emission Test Results





|                 |                                                                                 |                     |         |
|-----------------|---------------------------------------------------------------------------------|---------------------|---------|
| Test Engineer : | Xie YuQiang                                                                     | Temperature :       | 22~25°C |
|                 |                                                                                 | Relative Humidity : | 50~55%  |
| Test Voltage :  | 120Vac / 60Hz                                                                   | Phase :             | Neutral |
| Remark :        | All emissions not reported here are more than 10 dB below the prescribed limit. |                     |         |



Site : CO01-SZ  
Condition: FCC 15E\_QP LISN\_20210901\_N NEUTRAL

|     | Freq  | Level | Over   | Limit | Read  | LISN   | Cable |         |
|-----|-------|-------|--------|-------|-------|--------|-------|---------|
|     | MHz   | dBuV  | Limit  | Line  | Level | Factor | Loss  | Remark  |
|     |       |       | dB     | dBuV  | dBuV  | dB     | dB    |         |
| 1   | 0.15  | 40.22 | -15.78 | 56.00 | 19.90 | 10.31  | 10.01 | Average |
| 2   | 0.15  | 54.82 | -11.18 | 66.00 | 34.50 | 10.31  | 10.01 | QP      |
| 3   | 0.17  | 42.53 | -12.24 | 54.77 | 22.20 | 10.31  | 10.02 | Average |
| 4 * | 0.17  | 54.63 | -10.14 | 64.77 | 34.30 | 10.31  | 10.02 | QP      |
| 5   | 0.24  | 33.49 | -18.46 | 51.95 | 13.21 | 10.25  | 10.03 | Average |
| 6   | 0.24  | 45.49 | -16.46 | 61.95 | 25.21 | 10.25  | 10.03 | QP      |
| 7   | 0.29  | 25.96 | -24.54 | 50.50 | 5.70  | 10.22  | 10.04 | Average |
| 8   | 0.29  | 37.16 | -23.34 | 60.50 | 16.90 | 10.22  | 10.04 | QP      |
| 9   | 0.38  | 22.62 | -25.77 | 48.39 | 2.40  | 10.18  | 10.04 | Average |
| 10  | 0.38  | 32.72 | -25.67 | 58.39 | 12.50 | 10.18  | 10.04 | QP      |
| 11  | 26.14 | 34.42 | -15.58 | 50.00 | 13.60 | 10.22  | 10.60 | Average |
| 12  | 26.14 | 39.52 | -20.48 | 60.00 | 18.70 | 10.22  | 10.60 | QP      |

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



## Appendix C. Radiated Spurious Emission

|                 |               |                     |         |
|-----------------|---------------|---------------------|---------|
| Test Engineer : | Zhaohui Liang | Temperature :       | 24~25°C |
|                 |               | Relative Humidity : | 48~49%  |

## U-NII-1 - 5150~5250MHz

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

| WIFI Ant.                   | Note | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preamp Factor | Ant Pos | Table Pos | Peak Avg. | Pol.    |
|-----------------------------|------|-----------|------------|------------|------------|------------|----------------|-----------|---------------|---------|-----------|-----------|---------|
| 1+2                         |      | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | ( dBμV )   | ( dB/m )       | ( dB )    | ( dB )        | ( cm )  | ( deg )   | ( P/A )   | ( H/V ) |
| 802.11a<br>CH 36<br>5180MHz |      | 5036.4    | 52.99      | -21.01     | 74         | 39.58      | 33.8           | 12.12     | 32.51         | 310     | 360       | P         | H       |
|                             |      | 5150      | 43.45      | -10.55     | 54         | 29.83      | 34             | 12.15     | 32.53         | 310     | 360       | A         | H       |
|                             |      | 5180      | 108.44     | -          | -          | 94.69      | 34.13          | 12.16     | 32.54         | 310     | 360       | P         | H       |
|                             |      | 5180      | 100.86     | -          | -          | 87.11      | 34.13          | 12.16     | 32.54         | 310     | 360       | A         | H       |
|                             |      | 5117      | 52.33      | -21.67     | 74         | 38.79      | 33.93          | 12.14     | 32.53         | 100     | 348       | P         | V       |
|                             |      | 5128.7    | 43.31      | -10.69     | 54         | 29.72      | 33.97          | 12.15     | 32.53         | 100     | 348       | A         | V       |
|                             |      | 5180      | 103.6      | -          | -          | 89.85      | 34.13          | 12.16     | 32.54         | 100     | 348       | P         | V       |
|                             |      | 5180      | 97.26      | -          | -          | 83.51      | 34.13          | 12.16     | 32.54         | 100     | 348       | A         | V       |
| 802.11a<br>CH 44<br>5220MHz |      | 5104      | 53.38      | -20.62     | 74         | 39.86      | 33.9           | 12.14     | 32.52         | 291     | 350       | P         | H       |
|                             |      | 5100.36   | 43.58      | -10.42     | 54         | 30.06      | 33.9           | 12.14     | 32.52         | 291     | 350       | A         | H       |
|                             |      | 5220      | 109.96     | -          | -          | 96.11      | 34.23          | 12.17     | 32.55         | 291     | 350       | P         | H       |
|                             |      | 5220      | 102.65     | -          | -          | 88.8       | 34.23          | 12.17     | 32.55         | 291     | 350       | A         | H       |
|                             |      | 5381.76   | 52.7       | -21.3      | 74         | 38.66      | 34.4           | 12.22     | 32.58         | 291     | 350       | P         | H       |
|                             |      | 5376.72   | 42.86      | -11.14     | 54         | 28.82      | 34.4           | 12.22     | 32.58         | 291     | 350       | A         | H       |
|                             |      | 5087.62   | 53.36      | -20.64     | 74         | 39.88      | 33.87          | 12.13     | 32.52         | 100     | 348       | P         | V       |
|                             |      | 5128.44   | 43.34      | -10.66     | 54         | 29.75      | 33.97          | 12.15     | 32.53         | 100     | 348       | A         | V       |
|                             |      | 5220      | 104.63     | -          | -          | 90.78      | 34.23          | 12.17     | 32.55         | 100     | 348       | P         | V       |
|                             |      | 5220      | 98.06      | -          | -          | 84.21      | 34.23          | 12.17     | 32.55         | 100     | 348       | A         | V       |
|                             |      | 5368.56   | 51.52      | -22.48     | 74         | 37.48      | 34.4           | 12.21     | 32.57         | 100     | 348       | P         | V       |
|                             |      | 5457.36   | 42.31      | -11.69     | 54         | 28.26      | 34.4           | 12.24     | 32.59         | 100     | 348       | A         | V       |



|                                                  |                                                                                             |         |        |        |    |       |       |       |       |     |     |   |   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5084.5  | 53.36  | -20.64 | 74 | 39.88 | 33.87 | 12.13 | 32.52 | 287 | 360 | P | H |
|                                                  |                                                                                             | 5109.2  | 43.57  | -10.43 | 54 | 30.02 | 33.93 | 12.14 | 32.52 | 287 | 360 | A | H |
|                                                  |                                                                                             | 5240    | 108.88 | -      | -  | 94.98 | 34.27 | 12.18 | 32.55 | 287 | 360 | P | H |
|                                                  |                                                                                             | 5240    | 101.7  | -      | -  | 87.8  | 34.27 | 12.18 | 32.55 | 287 | 360 | A | H |
|                                                  |                                                                                             | 5385.36 | 51.77  | -22.23 | 74 | 37.73 | 34.4  | 12.22 | 32.58 | 287 | 360 | P | H |
|                                                  |                                                                                             | 5418.24 | 42.8   | -11.2  | 54 | 28.75 | 34.4  | 12.23 | 32.58 | 287 | 360 | A | H |
|                                                  |                                                                                             | 5024.7  | 53.27  | -20.73 | 74 | 39.86 | 33.8  | 12.12 | 32.51 | 100 | 353 | P | V |
|                                                  |                                                                                             | 5105.82 | 43.4   | -10.6  | 54 | 29.85 | 33.93 | 12.14 | 32.52 | 100 | 353 | A | V |
|                                                  |                                                                                             | 5240    | 105.7  | -      | -  | 91.8  | 34.27 | 12.18 | 32.55 | 100 | 353 | P | V |
|                                                  |                                                                                             | 5240    | 98.2   | -      | -  | 84.3  | 34.27 | 12.18 | 32.55 | 100 | 353 | A | V |
|                                                  |                                                                                             | 5416.8  | 52.22  | -21.78 | 74 | 38.17 | 34.4  | 12.23 | 32.58 | 100 | 353 | P | V |
|                                                  |                                                                                             | 5457.6  | 42.35  | -11.65 | 54 | 28.3  | 34.4  | 12.24 | 32.59 | 100 | 353 | A | V |
| Remark                                           | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |       |       |     |     |   |   |



## U-NII-1 5150~5250MHz

## 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 36<br>5180MHz |                                                                                             | 10360                | 47.22               | -21.08                  | 68.3                        | 45.57                     | 37.39                         | 15.31                  | 51.05                      | -                    | -                       | P                       | H               |
|                             |                                                                                             | 15540                | 46.02               | -27.98                  | 74                          | 40.84                     | 40.08                         | 17.76                  | 52.66                      | -                    | -                       | P                       | H               |
|                             |                                                                                             | 10360                | 46.73               | -21.57                  | 68.3                        | 45.08                     | 37.39                         | 15.31                  | 51.05                      | -                    | -                       | P                       | V               |
|                             |                                                                                             | 15540                | 47.21               | -26.79                  | 74                          | 42.03                     | 40.08                         | 17.76                  | 52.66                      | -                    | -                       | P                       | V               |
| 802.11a<br>CH 44<br>5220MHz |                                                                                             | 10440                | 47.68               | -20.62                  | 68.3                        | 45.98                     | 37.45                         | 15.32                  | 51.07                      | -                    | -                       | P                       | H               |
|                             |                                                                                             | 15660                | 47.18               | -26.82                  | 74                          | 42.04                     | 40.19                         | 17.83                  | 52.88                      | -                    | -                       | P                       | H               |
|                             |                                                                                             | 10440                | 46.65               | -21.65                  | 68.3                        | 44.95                     | 37.45                         | 15.32                  | 51.07                      | -                    | -                       | P                       | V               |
|                             |                                                                                             | 15660                | 47.89               | -26.11                  | 74                          | 42.75                     | 40.19                         | 17.83                  | 52.88                      | -                    | -                       | P                       | V               |
| 802.11a<br>CH 48<br>5240MHz |                                                                                             | 10480                | 46.43               | -21.87                  | 68.3                        | 44.71                     | 37.49                         | 15.32                  | 51.09                      | -                    | -                       | P                       | H               |
|                             |                                                                                             | 15720                | 47.05               | -26.95                  | 74                          | 41.93                     | 40.25                         | 17.87                  | 53                         | -                    | -                       | P                       | H               |
|                             |                                                                                             | 10480                | 47.31               | -20.99                  | 68.3                        | 45.59                     | 37.49                         | 15.32                  | 51.09                      | -                    | -                       | P                       | V               |
|                             |                                                                                             | 15720                | 47.73               | -26.27                  | 74                          | 42.61                     | 40.25                         | 17.87                  | 53                         | -                    | -                       | P                       | V               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-1 5150~5250MHz

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

| WIFI<br>Ant.<br>1+2                 | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 36<br>5180MHz |      | 5036.14              | 53.36               | -20.64                  | 74                          | 39.95                     | 33.8                          | 12.12                  | 32.51                      | 310                  | 360                     | P                       | H               |
|                                     |      | 5150                 | 43.51               | -10.49                  | 54                          | 29.89                     | 34                            | 12.15                  | 32.53                      | 310                  | 360                     | A                       | H               |
|                                     |      | 5180                 | 110.11              | -                       | -                           | 96.36                     | 34.13                         | 12.16                  | 32.54                      | 310                  | 360                     | P                       | H               |
|                                     |      | 5180                 | 102.86              | -                       | -                           | 89.11                     | 34.13                         | 12.16                  | 32.54                      | 310                  | 360                     | A                       | H               |
|                                     |      | 5063.18              | 52.87               | -21.13                  | 74                          | 39.43                     | 33.83                         | 12.13                  | 32.52                      | 238                  | 0                       | P                       | V               |
|                                     |      | 5127.14              | 43.44               | -10.56                  | 54                          | 29.85                     | 33.97                         | 12.15                  | 32.53                      | 238                  | 0                       | A                       | V               |
|                                     |      | 5180                 | 105.58              | -                       | -                           | 91.83                     | 34.13                         | 12.16                  | 32.54                      | 238                  | 0                       | P                       | V               |
|                                     |      | 5180                 | 98.46               | -                       | -                           | 84.71                     | 34.13                         | 12.16                  | 32.54                      | 238                  | 0                       | A                       | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |      | 5038.74              | 52.63               | -21.37                  | 74                          | 39.22                     | 33.8                          | 12.12                  | 32.51                      | 266                  | 352                     | P                       | H               |
|                                     |      | 5108.42              | 43.63               | -10.37                  | 54                          | 30.08                     | 33.93                         | 12.14                  | 32.52                      | 266                  | 352                     | A                       | H               |
|                                     |      | 5220                 | 110.07              | -                       | -                           | 96.22                     | 34.23                         | 12.17                  | 32.55                      | 266                  | 352                     | P                       | H               |
|                                     |      | 5220                 | 102.44              | -                       | -                           | 88.59                     | 34.23                         | 12.17                  | 32.55                      | 266                  | 352                     | A                       | H               |
|                                     |      | 5426.4               | 52.76               | -21.24                  | 74                          | 38.71                     | 34.4                          | 12.23                  | 32.58                      | 266                  | 352                     | P                       | H               |
|                                     |      | 5371.68              | 43.08               | -10.92                  | 54                          | 29.04                     | 34.4                          | 12.21                  | 32.57                      | 266                  | 352                     | A                       | H               |
|                                     |      | 5072.28              | 52.31               | -21.69                  | 74                          | 38.83                     | 33.87                         | 12.13                  | 32.52                      | 237                  | 0                       | P                       | V               |
|                                     |      | 5102.7               | 43.51               | -10.49                  | 54                          | 29.99                     | 33.9                          | 12.14                  | 32.52                      | 237                  | 0                       | A                       | V               |
|                                     |      | 5220                 | 104.07              | -                       | -                           | 90.22                     | 34.23                         | 12.17                  | 32.55                      | 237                  | 0                       | P                       | V               |
|                                     |      | 5220                 | 97.06               | -                       | -                           | 83.21                     | 34.23                         | 12.17                  | 32.55                      | 237                  | 0                       | A                       | V               |
|                                     |      | 5420.88              | 51.42               | -22.58                  | 74                          | 37.37                     | 34.4                          | 12.23                  | 32.58                      | 237                  | 0                       | P                       | V               |
|                                     |      | 5458.56              | 42.41               | -11.59                  | 54                          | 28.36                     | 34.4                          | 12.24                  | 32.59                      | 237                  | 0                       | A                       | V               |



|                                                                             |                                                                                             |         |        |        |    |       |       |       |       |     |     |   |   |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT20</b><br><br><b>CH 48</b><br><br><b>5240MHz</b> |                                                                                             | 5054.6  | 53.01  | -20.99 | 74 | 39.56 | 33.83 | 12.13 | 32.51 | 266 | 352 | P | H |
|                                                                             |                                                                                             | 5108.16 | 43.69  | -10.31 | 54 | 30.14 | 33.93 | 12.14 | 32.52 | 266 | 352 | A | H |
|                                                                             |                                                                                             | 5240    | 109.35 | -      | -  | 95.45 | 34.27 | 12.18 | 32.55 | 266 | 352 | P | H |
|                                                                             |                                                                                             | 5240    | 102.6  | -      | -  | 88.7  | 34.27 | 12.18 | 32.55 | 266 | 352 | A | H |
|                                                                             |                                                                                             | 5419.68 | 52.87  | -21.13 | 74 | 38.82 | 34.4  | 12.23 | 32.58 | 266 | 352 | P | H |
|                                                                             |                                                                                             | 5401.92 | 43.14  | -10.86 | 54 | 29.1  | 34.4  | 12.22 | 32.58 | 266 | 352 | A | H |
|                                                                             |                                                                                             | 5102.18 | 53.13  | -20.87 | 74 | 39.61 | 33.9  | 12.14 | 32.52 | 235 | 0   | P | V |
|                                                                             |                                                                                             | 5109.98 | 43.5   | -10.5  | 54 | 29.95 | 33.93 | 12.14 | 32.52 | 235 | 0   | A | V |
|                                                                             |                                                                                             | 5240    | 104.47 | -      | -  | 90.57 | 34.27 | 12.18 | 32.55 | 235 | 0   | P | V |
|                                                                             |                                                                                             | 5240    | 98.11  | -      | -  | 84.21 | 34.27 | 12.18 | 32.55 | 235 | 0   | A | V |
|                                                                             |                                                                                             | 5362.32 | 51.39  | -22.61 | 74 | 37.35 | 34.4  | 12.21 | 32.57 | 235 | 0   | P | V |
|                                                                             |                                                                                             | 5456.88 | 42.33  | -11.67 | 54 | 28.28 | 34.4  | 12.24 | 32.59 | 235 | 0   | A | V |
| <b>Remark</b>                                                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |       |       |     |     |   |   |



## U-NII-1 5150~5250MHz

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

| WIFI<br>Ant.<br>1+2                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 36<br>5180MHz |                                                                                             | 10360                | 46.97               | -21.33                  | 68.3                        | 45.32                     | 37.39                         | 15.31                  | 51.05                      | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 15540                | 46.72               | -27.28                  | 74                          | 41.54                     | 40.08                         | 17.76                  | 52.66                      | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 10360                | 46.74               | -21.56                  | 68.3                        | 45.09                     | 37.39                         | 15.31                  | 51.05                      | -                    | -                       | P                       | V               |
|                                     |                                                                                             | 15540                | 47.92               | -26.08                  | 74                          | 42.74                     | 40.08                         | 17.76                  | 52.66                      | -                    | -                       | P                       | V               |
| 802.11n<br>HT20<br>CH 44<br>5220MHz |                                                                                             | 10440                | 45.78               | -22.52                  | 68.3                        | 44.08                     | 37.45                         | 15.32                  | 51.07                      | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 15660                | 47.7                | -26.3                   | 74                          | 42.56                     | 40.19                         | 17.83                  | 52.88                      | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 10440                | 46.28               | -22.02                  | 68.3                        | 44.58                     | 37.45                         | 15.32                  | 51.07                      | -                    | -                       | P                       | V               |
|                                     |                                                                                             | 15660                | 47.29               | -26.71                  | 74                          | 42.15                     | 40.19                         | 17.83                  | 52.88                      | -                    | -                       | P                       | V               |
| 802.11n<br>HT20<br>CH 48<br>5240MHz |                                                                                             | 10480                | 47.38               | -20.92                  | 68.3                        | 45.66                     | 37.49                         | 15.32                  | 51.09                      | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 15720                | 46.32               | -27.68                  | 74                          | 41.2                      | 40.25                         | 17.87                  | 53                         | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 10480                | 47.31               | -20.99                  | 68.3                        | 45.59                     | 37.49                         | 15.32                  | 51.09                      | -                    | -                       | P                       | V               |
|                                     |                                                                                             | 15720                | 46.88               | -27.12                  | 74                          | 41.76                     | 40.25                         | 17.87                  | 53                         | -                    | -                       | P                       | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-1 5150~5250MHz

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

| WIFI<br>Ant.<br>1+2                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 38<br>5190MHz |                                                                                             | 5145.08              | 53.42               | -20.58                  | 74                          | 39.8                      | 34                            | 12.15                  | 32.53                      | 242                  | 5                       | P                       | H               |
|                                     |                                                                                             | 5150                 | 45.91               | -8.09                   | 54                          | 32.29                     | 34                            | 12.15                  | 32.53                      | 242                  | 5                       | A                       | H               |
|                                     |                                                                                             | 5190                 | 107.03              | -                       | -                           | 93.28                     | 34.13                         | 12.16                  | 32.54                      | 242                  | 5                       | P                       | H               |
|                                     |                                                                                             | 5190                 | 100.91              | -                       | -                           | 87.16                     | 34.13                         | 12.16                  | 32.54                      | 242                  | 5                       | A                       | H               |
|                                     |                                                                                             | 5350.8               | 52.15               | -21.85                  | 74                          | 38.11                     | 34.4                          | 12.21                  | 32.57                      | 242                  | 5                       | P                       | H               |
|                                     |                                                                                             | 5353.88              | 43.14               | -10.86                  | 54                          | 29.1                      | 34.4                          | 12.21                  | 32.57                      | 242                  | 5                       | A                       | H               |
|                                     |                                                                                             | 5142.22              | 53.04               | -20.96                  | 74                          | 39.42                     | 34                            | 12.15                  | 32.53                      | 246                  | 356                     | P                       | V               |
|                                     |                                                                                             | 5147.16              | 44.46               | -9.54                   | 54                          | 30.84                     | 34                            | 12.15                  | 32.53                      | 246                  | 356                     | A                       | V               |
|                                     |                                                                                             | 5190                 | 102.2               | -                       | -                           | 88.45                     | 34.13                         | 12.16                  | 32.54                      | 246                  | 356                     | P                       | V               |
|                                     |                                                                                             | 5190                 | 96.13               | -                       | -                           | 82.38                     | 34.13                         | 12.16                  | 32.54                      | 246                  | 356                     | A                       | V               |
|                                     |                                                                                             | 5383.84              | 52.15               | -21.85                  | 74                          | 38.11                     | 34.4                          | 12.22                  | 32.58                      | 246                  | 356                     | P                       | V               |
|                                     |                                                                                             | 5356.4               | 42.29               | -11.71                  | 54                          | 28.25                     | 34.4                          | 12.21                  | 32.57                      | 246                  | 356                     | A                       | V               |
| 802.11n<br>HT40<br>CH 46<br>5230MHz |                                                                                             | 5067.34              | 54.21               | -19.79                  | 74                          | 40.77                     | 33.83                         | 12.13                  | 32.52                      | 217                  | 340                     | P                       | H               |
|                                     |                                                                                             | 5098.8               | 43.52               | -10.48                  | 54                          | 30                        | 33.9                          | 12.14                  | 32.52                      | 217                  | 340                     | A                       | H               |
|                                     |                                                                                             | 5230                 | 107.78              | -                       | -                           | 93.89                     | 34.27                         | 12.17                  | 32.55                      | 217                  | 340                     | P                       | H               |
|                                     |                                                                                             | 5230                 | 101.68              | -                       | -                           | 87.79                     | 34.27                         | 12.17                  | 32.55                      | 217                  | 340                     | A                       | H               |
|                                     |                                                                                             | 5434.56              | 52.12               | -21.88                  | 74                          | 38.08                     | 34.4                          | 12.23                  | 32.59                      | 217                  | 340                     | P                       | H               |
|                                     |                                                                                             | 5402.88              | 42.92               | -11.08                  | 54                          | 28.88                     | 34.4                          | 12.22                  | 32.58                      | 217                  | 340                     | A                       | H               |
|                                     |                                                                                             | 5056.94              | 54.29               | -19.71                  | 74                          | 40.84                     | 33.83                         | 12.13                  | 32.51                      | 217                  | 344                     | P                       | V               |
|                                     |                                                                                             | 5101.14              | 43.41               | -10.59                  | 54                          | 29.89                     | 33.9                          | 12.14                  | 32.52                      | 217                  | 344                     | A                       | V               |
|                                     |                                                                                             | 5230                 | 104.63              | -                       | -                           | 90.74                     | 34.27                         | 12.17                  | 32.55                      | 217                  | 344                     | P                       | V               |
|                                     |                                                                                             | 5230                 | 98.54               | -                       | -                           | 84.65                     | 34.27                         | 12.17                  | 32.55                      | 217                  | 344                     | A                       | V               |
|                                     |                                                                                             | 5455.44              | 51.65               | -22.35                  | 74                          | 37.6                      | 34.4                          | 12.24                  | 32.59                      | 217                  | 344                     | P                       | V               |
|                                     |                                                                                             | 5458.08              | 42.24               | -11.76                  | 54                          | 28.19                     | 34.4                          | 12.24                  | 32.59                      | 217                  | 344                     | A                       | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-1 5150~5250MHz

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

| WIFI<br>Ant.<br>1+2 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11n             |                                                                                             | 10380                | 48.51               | -19.79                  | 68.3                        | 46.83                   | 37.41                         | 15.32                  | 51.05                      | -                    | -                       | P                     | H             |
| HT40                |                                                                                             | 15570                | 47.25               | -26.75                  | 74                          | 42.08                   | 40.11                         | 17.78                  | 52.72                      | -                    | -                       | P                     | H             |
| CH 38               |                                                                                             | 10380                | 48.47               | -19.83                  | 68.3                        | 46.79                   | 37.41                         | 15.32                  | 51.05                      | -                    | -                       | P                     | V             |
| 5190MHz             |                                                                                             | 15570                | 47.26               | -26.74                  | 74                          | 42.09                   | 40.11                         | 17.78                  | 52.72                      | -                    | -                       | P                     | V             |
| 802.11n             |                                                                                             | 10460                | 48.99               | -19.31                  | 68.3                        | 47.29                   | 37.46                         | 15.32                  | 51.08                      | -                    | -                       | P                     | H             |
| HT40                |                                                                                             | 15690                | 46.89               | -27.11                  | 74                          | 41.76                   | 40.22                         | 17.85                  | 52.94                      | -                    | -                       | P                     | H             |
| CH 46               |                                                                                             | 10460                | 48.09               | -20.21                  | 68.3                        | 46.39                   | 37.46                         | 15.32                  | 51.08                      | -                    | -                       | P                     | V             |
| 5230MHz             |                                                                                             | 15690                | 47.24               | -26.76                  | 74                          | 42.11                   | 40.22                         | 17.85                  | 52.94                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-1 5150~5250MHz

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

| WIFI<br>Ant.<br>1+2                   | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT80<br>CH 42<br>5210MHz |                                                                                             | 5148.72              | 56.41               | -17.59                  | 74                          | 42.79                     | 34                            | 12.15                  | 32.53                      | 228                  | 360                     | P                       | H               |
|                                       |                                                                                             | 5150                 | 46.62               | -7.38                   | 54                          | 33                        | 34                            | 12.15                  | 32.53                      | 228                  | 360                     | A                       | H               |
|                                       |                                                                                             | 5210                 | 104                 | -                       | -                           | 90.14                     | 34.23                         | 12.17                  | 32.54                      | 228                  | 360                     | P                       | H               |
|                                       |                                                                                             | 5210                 | 96.66               | -                       | -                           | 82.8                      | 34.23                         | 12.17                  | 32.54                      | 228                  | 360                     | A                       | H               |
|                                       |                                                                                             | 5376                 | 52.28               | -21.72                  | 74                          | 38.24                     | 34.4                          | 12.22                  | 32.58                      | 228                  | 360                     | P                       | H               |
|                                       |                                                                                             | 5352.96              | 42.89               | -11.11                  | 54                          | 28.85                     | 34.4                          | 12.21                  | 32.57                      | 228                  | 360                     | A                       | H               |
|                                       |                                                                                             | 5141.7               | 55.78               | -18.22                  | 74                          | 42.16                     | 34                            | 12.15                  | 32.53                      | 243                  | 360                     | P                       | V               |
|                                       |                                                                                             | 5149.5               | 45.86               | -8.14                   | 54                          | 32.24                     | 34                            | 12.15                  | 32.53                      | 243                  | 360                     | A                       | V               |
|                                       |                                                                                             | 5210                 | 99.77               | -                       | -                           | 85.91                     | 34.23                         | 12.17                  | 32.54                      | 243                  | 360                     | P                       | V               |
|                                       |                                                                                             | 5210                 | 92.29               | -                       | -                           | 78.43                     | 34.23                         | 12.17                  | 32.54                      | 243                  | 360                     | A                       | V               |
|                                       |                                                                                             | 5391.84              | 51.88               | -22.12                  | 74                          | 37.84                     | 34.4                          | 12.22                  | 32.58                      | 243                  | 360                     | P                       | V               |
|                                       |                                                                                             | 5458.8               | 42.21               | -11.79                  | 54                          | 28.16                     | 34.4                          | 12.24                  | 32.59                      | 243                  | 360                     | A                       | V               |
| Remark                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**U-NII-1 5150~5250MHz****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            |                                                                                             | 10420                | 48.81               | -19.49                  | 68.3                        | 47.13                   | 37.43                         | 15.32                  | 51.07                      | -                    | -                       | P                     | H             |
| VHT80               |                                                                                             | 15630                | 47.41               | -26.59                  | 74                          | 42.27                   | 40.17                         | 17.82                  | 52.85                      | -                    | -                       | P                     | H             |
| CH 42               |                                                                                             | 10420                | 49.83               | -18.47                  | 68.3                        | 48.15                   | 37.43                         | 15.32                  | 51.07                      | -                    | -                       | P                     | V             |
| 5210MHz             |                                                                                             | 15630                | 46.63               | -27.37                  | 74                          | 41.49                   | 40.17                         | 17.82                  | 52.85                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2A - 5250~5350MHz

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

| WIFI<br>Ant.<br>1+2         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-----------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11a<br>CH 52<br>5260MHz |      | 5026                 | 52.94               | -21.06                  | 74                          | 39.53                   | 33.8                          | 12.12                  | 32.51                      | 294                  | 349                     | P                     | H             |
|                             |      | 5106.08              | 43.73               | -10.27                  | 54                          | 30.18                   | 33.93                         | 12.14                  | 32.52                      | 294                  | 349                     | A                     | H             |
|                             |      | 5260                 | 108.59              | -                       | -                           | 94.63                   | 34.33                         | 12.18                  | 32.55                      | 294                  | 349                     | P                     | H             |
|                             |      | 5260                 | 100.99              | -                       | -                           | 87.03                   | 34.33                         | 12.18                  | 32.55                      | 294                  | 349                     | A                     | H             |
|                             |      | 5407.2               | 52.03               | -21.97                  | 74                          | 37.99                   | 34.4                          | 12.22                  | 32.58                      | 294                  | 349                     | P                     | H             |
|                             |      | 5436.24              | 42.93               | -11.07                  | 54                          | 28.89                   | 34.4                          | 12.23                  | 32.59                      | 294                  | 349                     | A                     | H             |
|                             |      | 5111.54              | 52.86               | -21.14                  | 74                          | 39.31                   | 33.93                         | 12.14                  | 32.52                      | 100                  | 353                     | P                     | V             |
|                             |      | 5107.12              | 43.44               | -10.56                  | 54                          | 29.89                   | 33.93                         | 12.14                  | 32.52                      | 100                  | 353                     | A                     | V             |
|                             |      | 5260                 | 105.15              | -                       | -                           | 91.19                   | 34.33                         | 12.18                  | 32.55                      | 100                  | 353                     | P                     | V             |
|                             |      | 5260                 | 98.46               | -                       | -                           | 84.5                    | 34.33                         | 12.18                  | 32.55                      | 100                  | 353                     | A                     | V             |
|                             |      | 5457.12              | 52.97               | -21.03                  | 74                          | 38.92                   | 34.4                          | 12.24                  | 32.59                      | 100                  | 353                     | P                     | V             |
|                             |      | 5456.64              | 42.34               | -11.66                  | 54                          | 28.29                   | 34.4                          | 12.24                  | 32.59                      | 100                  | 353                     | A                     | V             |
| 802.11a<br>CH 60<br>5300MHz |      | 5050.75              | 53.33               | -20.67                  | 74                          | 39.92                   | 33.8                          | 12.12                  | 32.51                      | 294                  | 349                     | P                     | H             |
|                             |      | 5129.15              | 43.86               | -10.14                  | 54                          | 30.27                   | 33.97                         | 12.15                  | 32.53                      | 294                  | 349                     | A                     | H             |
|                             |      | 5300                 | 109.07              | -                       | -                           | 95.04                   | 34.4                          | 12.19                  | 32.56                      | 294                  | 349                     | P                     | H             |
|                             |      | 5300                 | 102.13              | -                       | -                           | 88.1                    | 34.4                          | 12.19                  | 32.56                      | 294                  | 349                     | A                     | H             |
|                             |      | 5455.92              | 51.86               | -22.14                  | 74                          | 37.81                   | 34.4                          | 12.24                  | 32.59                      | 294                  | 349                     | P                     | H             |
|                             |      | 5458.56              | 42.94               | -11.06                  | 54                          | 28.89                   | 34.4                          | 12.24                  | 32.59                      | 294                  | 349                     | A                     | H             |
|                             |      | 5135.8               | 53.09               | -20.91                  | 74                          | 39.5                    | 33.97                         | 12.15                  | 32.53                      | 162                  | 220                     | P                     | V             |
|                             |      | 5127.05              | 43.66               | -10.34                  | 54                          | 30.07                   | 33.97                         | 12.15                  | 32.53                      | 162                  | 220                     | A                     | V             |
|                             |      | 5300                 | 104.86              | -                       | -                           | 90.83                   | 34.4                          | 12.19                  | 32.56                      | 162                  | 220                     | P                     | V             |
|                             |      | 5300                 | 97.57               | -                       | -                           | 83.54                   | 34.4                          | 12.19                  | 32.56                      | 162                  | 220                     | A                     | V             |
|                             |      | 5397.6               | 51.47               | -22.53                  | 74                          | 37.43                   | 34.4                          | 12.22                  | 32.58                      | 162                  | 220                     | P                     | V             |
|                             |      | 5459.28              | 42.52               | -11.48                  | 54                          | 28.47                   | 34.4                          | 12.24                  | 32.59                      | 162                  | 220                     | A                     | V             |



|                                                  |                                                                                                                                                  |         |        |        |    |       |      |       |       |     |     |   |   |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|------|-------|-------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 64</b><br><b>5320MHz</b> |                                                                                                                                                  | 5320    | 109.97 | -      | -  | 95.93 | 34.4 | 12.2  | 32.56 | 185 | 348 | P | H |
|                                                  |                                                                                                                                                  | 5320    | 102.83 | -      | -  | 88.79 | 34.4 | 12.2  | 32.56 | 185 | 348 | A | H |
|                                                  |                                                                                                                                                  | 5436.64 | 52.54  | -21.46 | 74 | 38.5  | 34.4 | 12.23 | 32.59 | 185 | 348 | P | H |
|                                                  |                                                                                                                                                  | 5459.04 | 43.38  | -10.62 | 54 | 29.33 | 34.4 | 12.24 | 32.59 | 185 | 348 | A | H |
|                                                  |                                                                                                                                                  | 5320    | 105.52 | -      | -  | 91.48 | 34.4 | 12.2  | 32.56 | 162 | 220 | P | V |
|                                                  |                                                                                                                                                  | 5320    | 99.5   | -      | -  | 85.46 | 34.4 | 12.2  | 32.56 | 162 | 220 | A | V |
|                                                  |                                                                                                                                                  | 5352.64 | 53.03  | -20.97 | 74 | 38.99 | 34.4 | 12.21 | 32.57 | 162 | 220 | P | V |
|                                                  |                                                                                                                                                  | 5459.84 | 42.54  | -11.46 | 54 | 28.49 | 34.4 | 12.24 | 32.59 | 162 | 220 | A | V |
| <b>Remark</b>                                    | <ol style="list-style-type: none"><li>1. No other spurious found.</li><li>2. All results are PASS against Peak and Average limit line.</li></ol> |         |        |        |    |       |      |       |       |     |     |   |   |



## U-NII-2A 5250~5350MHz

## 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 52<br>5260MHz |                                                                                             | 10520                | 47.68               | -20.62                  | 68.3                        | 45.91                     | 37.51                         | 15.37                  | 51.11                      | -                    | -                       | P                       | H               |
|                             |                                                                                             | 15780                | 47.59               | -26.41                  | 74                          | 42.49                     | 40.3                          | 17.9                   | 53.1                       | -                    | -                       | P                       | H               |
|                             |                                                                                             | 10520                | 47.82               | -20.48                  | 68.3                        | 46.05                     | 37.51                         | 15.37                  | 51.11                      | -                    | -                       | P                       | V               |
|                             |                                                                                             | 15780                | 47.38               | -26.62                  | 74                          | 42.28                     | 40.3                          | 17.9                   | 53.1                       | -                    | -                       | P                       | V               |
| 802.11a<br>CH 60<br>5300MHz |                                                                                             | 10600                | 47.4                | -26.6                   | 74                          | 45.45                     | 37.56                         | 15.55                  | 51.16                      | -                    | -                       | P                       | H               |
|                             |                                                                                             | 15900                | 46.31               | -27.69                  | 74                          | 41.24                     | 40.41                         | 17.97                  | 53.31                      | -                    | -                       | P                       | H               |
|                             |                                                                                             | 10600                | 47.32               | -26.68                  | 74                          | 45.37                     | 37.56                         | 15.55                  | 51.16                      | -                    | -                       | P                       | V               |
|                             |                                                                                             | 15900                | 47.8                | -26.2                   | 74                          | 42.73                     | 40.41                         | 17.97                  | 53.31                      | -                    | -                       | P                       | V               |
| 802.11a<br>CH 64<br>5320MHz |                                                                                             | 10640                | 45.92               | -28.08                  | 74                          | 43.87                     | 37.58                         | 15.65                  | 51.18                      | -                    | -                       | P                       | H               |
|                             |                                                                                             | 15960                | 46.65               | -27.35                  | 74                          | 41.61                     | 40.47                         | 18.01                  | 53.44                      | -                    | -                       | P                       | H               |
|                             |                                                                                             | 10640                | 46.4                | -27.6                   | 74                          | 44.35                     | 37.58                         | 15.65                  | 51.18                      | -                    | -                       | P                       | V               |
|                             |                                                                                             | 15960                | 47.65               | -26.35                  | 74                          | 42.61                     | 40.47                         | 18.01                  | 53.44                      | -                    | -                       | P                       | V               |
| Remark                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**U-NII-2A 5250~5350MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                           | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11n<br/>HT20<br/>CH 52<br/>5260MHz</b> |      | 5128.18              | 54.04               | -19.96                  | 74                          | 40.45                     | 33.97                         | 12.15                  | 32.53                      | 266                  | 352                     | P                       | H               |
|                                               |      | 5128.18              | 43.74               | -10.26                  | 54                          | 30.15                     | 33.97                         | 12.15                  | 32.53                      | 266                  | 352                     | A                       | H               |
|                                               |      | 5260                 | 109.11              | -                       | -                           | 95.15                     | 34.33                         | 12.18                  | 32.55                      | 266                  | 352                     | P                       | H               |
|                                               |      | 5260                 | 101.04              | -                       | -                           | 87.08                     | 34.33                         | 12.18                  | 32.55                      | 266                  | 352                     | A                       | H               |
|                                               |      | 5422.56              | 51.67               | -22.33                  | 74                          | 37.62                     | 34.4                          | 12.23                  | 32.58                      | 266                  | 352                     | P                       | H               |
|                                               |      | 5423.52              | 42.95               | -11.05                  | 54                          | 28.9                      | 34.4                          | 12.23                  | 32.58                      | 266                  | 352                     | A                       | H               |
|                                               |      | 5103.48              | 52.69               | -21.31                  | 74                          | 39.17                     | 33.9                          | 12.14                  | 32.52                      | 235                  | 0                       | P                       | V               |
|                                               |      | 5113.36              | 43.59               | -10.41                  | 54                          | 30.04                     | 33.93                         | 12.14                  | 32.52                      | 235                  | 0                       | A                       | V               |
|                                               |      | 5260                 | 104.14              | -                       | -                           | 90.18                     | 34.33                         | 12.18                  | 32.55                      | 235                  | 0                       | P                       | V               |
|                                               |      | 5260                 | 98.17               | -                       | -                           | 84.21                     | 34.33                         | 12.18                  | 32.55                      | 235                  | 0                       | A                       | V               |
|                                               |      | 5432.64              | 52.05               | -21.95                  | 74                          | 38.01                     | 34.4                          | 12.23                  | 32.59                      | 235                  | 0                       | P                       | V               |
|                                               |      | 5459.28              | 42.39               | -11.61                  | 54                          | 28.34                     | 34.4                          | 12.24                  | 32.59                      | 235                  | 0                       | A                       | V               |
| <b>802.11n<br/>HT20<br/>CH 60<br/>5300MHz</b> |      | 5129.85              | 53.9                | -20.1                   | 74                          | 40.31                     | 33.97                         | 12.15                  | 32.53                      | 266                  | 352                     | P                       | H               |
|                                               |      | 5128.45              | 43.92               | -10.08                  | 54                          | 30.33                     | 33.97                         | 12.15                  | 32.53                      | 266                  | 352                     | A                       | H               |
|                                               |      | 5300                 | 109.94              | -                       | -                           | 95.91                     | 34.4                          | 12.19                  | 32.56                      | 266                  | 352                     | P                       | H               |
|                                               |      | 5300                 | 102.93              | -                       | -                           | 88.9                      | 34.4                          | 12.19                  | 32.56                      | 266                  | 352                     | A                       | H               |
|                                               |      | 5381.28              | 51.78               | -22.22                  | 74                          | 37.74                     | 34.4                          | 12.22                  | 32.58                      | 266                  | 352                     | P                       | H               |
|                                               |      | 5460                 | 43.08               | -10.92                  | 54                          | 29.03                     | 34.4                          | 12.24                  | 32.59                      | 266                  | 352                     | A                       | H               |
|                                               |      | 5102.55              | 53.38               | -20.62                  | 74                          | 39.86                     | 33.9                          | 12.14                  | 32.52                      | 220                  | 333                     | P                       | V               |
|                                               |      | 5124.6               | 43.63               | -10.37                  | 54                          | 30.05                     | 33.97                         | 12.14                  | 32.53                      | 220                  | 333                     | A                       | V               |
|                                               |      | 5300                 | 105.79              | -                       | -                           | 91.76                     | 34.4                          | 12.19                  | 32.56                      | 220                  | 333                     | P                       | V               |
|                                               |      | 5300                 | 99.13               | -                       | -                           | 85.1                      | 34.4                          | 12.19                  | 32.56                      | 220                  | 333                     | A                       | V               |
|                                               |      | 5377.92              | 52.14               | -21.86                  | 74                          | 38.1                      | 34.4                          | 12.22                  | 32.58                      | 220                  | 333                     | P                       | V               |
|                                               |      | 5458.32              | 42.42               | -11.58                  | 54                          | 28.37                     | 34.4                          | 12.24                  | 32.59                      | 220                  | 333                     | A                       | V               |



|                                                                 |                                                                                                                                                  |         |        |        |    |       |      |       |       |     |     |   |   |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|------|-------|-------|-----|-----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 64</b><br><b>5320MHz</b> |                                                                                                                                                  | 5320    | 111    | -      | -  | 96.96 | 34.4 | 12.2  | 32.56 | 266 | 352 | P | H |
|                                                                 |                                                                                                                                                  | 5320    | 103.84 | -      | -  | 89.8  | 34.4 | 12.2  | 32.56 | 266 | 352 | A | H |
|                                                                 |                                                                                                                                                  | 5404.48 | 51.74  | -22.26 | 74 | 37.7  | 34.4 | 12.22 | 32.58 | 266 | 352 | P | H |
|                                                                 |                                                                                                                                                  | 5350.4  | 43.01  | -10.99 | 54 | 28.97 | 34.4 | 12.21 | 32.57 | 266 | 352 | A | H |
|                                                                 |                                                                                                                                                  | 5320    | 106.06 | -      | -  | 92.02 | 34.4 | 12.2  | 32.56 | 220 | 333 | P | V |
|                                                                 |                                                                                                                                                  | 5320    | 99.56  | -      | -  | 85.52 | 34.4 | 12.2  | 32.56 | 220 | 333 | A | V |
|                                                                 |                                                                                                                                                  | 5384.32 | 51.49  | -22.51 | 74 | 37.45 | 34.4 | 12.22 | 32.58 | 220 | 333 | P | V |
|                                                                 |                                                                                                                                                  | 5457.92 | 42.4   | -11.6  | 54 | 28.35 | 34.4 | 12.24 | 32.59 | 220 | 333 | A | V |
| <b>Remark</b>                                                   | <ol style="list-style-type: none"><li>1. No other spurious found.</li><li>2. All results are PASS against Peak and Average limit line.</li></ol> |         |        |        |    |       |      |       |       |     |     |   |   |



**U-NII-2A 5250~5350MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+2                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 52<br>5260MHz |                                                                                             | 10520                | 48.16               | -20.14                  | 68.3                        | 46.39                     | 37.51                         | 15.37                  | 51.11                      | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 15780                | 47.87               | -26.13                  | 74                          | 42.77                     | 40.3                          | 17.9                   | 53.1                       | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 10520                | 49.54               | -18.76                  | 68.3                        | 47.77                     | 37.51                         | 15.37                  | 51.11                      | -                    | -                       | P                       | V               |
|                                     |                                                                                             | 15780                | 47.72               | -26.28                  | 74                          | 42.62                     | 40.3                          | 17.9                   | 53.1                       | -                    | -                       | P                       | V               |
| 802.11n<br>HT20<br>CH 60<br>5300MHz |                                                                                             | 10600                | 46.86               | -27.14                  | 74                          | 44.91                     | 37.56                         | 15.55                  | 51.16                      | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 15900                | 47.41               | -26.59                  | 74                          | 42.34                     | 40.41                         | 17.97                  | 53.31                      | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 10600                | 46.13               | -27.87                  | 74                          | 44.18                     | 37.56                         | 15.55                  | 51.16                      | -                    | -                       | P                       | V               |
|                                     |                                                                                             | 15900                | 47.12               | -26.88                  | 74                          | 42.05                     | 40.41                         | 17.97                  | 53.31                      | -                    | -                       | P                       | V               |
| 802.11n<br>HT20<br>CH 64<br>5320MHz |                                                                                             | 10640                | 47.54               | -26.46                  | 74                          | 45.49                     | 37.58                         | 15.65                  | 51.18                      | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 15960                | 47.19               | -26.81                  | 74                          | 42.15                     | 40.47                         | 18.01                  | 53.44                      | -                    | -                       | P                       | H               |
|                                     |                                                                                             | 10640                | 46.38               | -27.62                  | 74                          | 44.33                     | 37.58                         | 15.65                  | 51.18                      | -                    | -                       | P                       | V               |
|                                     |                                                                                             | 15960                | 47.08               | -26.92                  | 74                          | 42.04                     | 40.47                         | 18.01                  | 53.44                      | -                    | -                       | P                       | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**U-NII-2A 5250~5350MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 54<br>5270MHz |                                                                                             | 5147.7               | 53.85               | -20.15                  | 74                          | 40.23                     | 34                            | 12.15                  | 32.53                      | 210                  | 344                     | P                       | H               |
|                                     |                                                                                             | 5109.9               | 43.68               | -10.32                  | 54                          | 30.13                     | 33.93                         | 12.14                  | 32.52                      | 210                  | 344                     | A                       | H               |
|                                     |                                                                                             | 5270                 | 108.55              | -                       | -                           | 94.58                     | 34.33                         | 12.19                  | 32.55                      | 210                  | 344                     | P                       | H               |
|                                     |                                                                                             | 5270                 | 102.43              | -                       | -                           | 88.46                     | 34.33                         | 12.19                  | 32.55                      | 210                  | 344                     | A                       | H               |
|                                     |                                                                                             | 5375.04              | 52.13               | -21.87                  | 74                          | 38.09                     | 34.4                          | 12.22                  | 32.58                      | 210                  | 344                     | P                       | H               |
|                                     |                                                                                             | 5402.64              | 42.9                | -11.1                   | 54                          | 28.86                     | 34.4                          | 12.22                  | 32.58                      | 210                  | 344                     | A                       | H               |
|                                     |                                                                                             | 5130.9               | 52.38               | -21.62                  | 74                          | 38.79                     | 33.97                         | 12.15                  | 32.53                      | 209                  | 348                     | P                       | V               |
|                                     |                                                                                             | 5121.1               | 43.46               | -10.54                  | 54                          | 29.92                     | 33.93                         | 12.14                  | 32.53                      | 209                  | 348                     | A                       | V               |
|                                     |                                                                                             | 5270                 | 102.48              | -                       | -                           | 88.51                     | 34.33                         | 12.19                  | 32.55                      | 209                  | 348                     | P                       | V               |
|                                     |                                                                                             | 5270                 | 96.44               | -                       | -                           | 82.47                     | 34.33                         | 12.19                  | 32.55                      | 209                  | 348                     | A                       | V               |
|                                     |                                                                                             | 5350.8               | 51.86               | -22.14                  | 74                          | 37.82                     | 34.4                          | 12.21                  | 32.57                      | 209                  | 348                     | P                       | V               |
|                                     |                                                                                             | 5459.28              | 42.36               | -11.64                  | 54                          | 28.31                     | 34.4                          | 12.24                  | 32.59                      | 209                  | 348                     | A                       | V               |
| 802.11n<br>HT40<br>CH 62<br>5310MHz |                                                                                             | 5084                 | 52.79               | -21.21                  | 74                          | 39.31                     | 33.87                         | 12.13                  | 32.52                      | 228                  | 357                     | P                       | H               |
|                                     |                                                                                             | 5141.05              | 43.69               | -10.31                  | 54                          | 30.07                     | 34                            | 12.15                  | 32.53                      | 228                  | 357                     | A                       | H               |
|                                     |                                                                                             | 5310                 | 106.07              | -                       | -                           | 92.03                     | 34.4                          | 12.2                   | 32.56                      | 228                  | 357                     | P                       | H               |
|                                     |                                                                                             | 5310                 | 99.49               | -                       | -                           | 85.45                     | 34.4                          | 12.2                   | 32.56                      | 228                  | 357                     | A                       | H               |
|                                     |                                                                                             | 5355.6               | 52.55               | -21.45                  | 74                          | 38.51                     | 34.4                          | 12.21                  | 32.57                      | 228                  | 357                     | P                       | H               |
|                                     |                                                                                             | 5350.08              | 45.87               | -8.13                   | 54                          | 31.83                     | 34.4                          | 12.21                  | 32.57                      | 228                  | 357                     | A                       | H               |
|                                     |                                                                                             | 5123.2               | 52.35               | -21.65                  | 74                          | 38.77                     | 33.97                         | 12.14                  | 32.53                      | 215                  | 347                     | P                       | V               |
|                                     |                                                                                             | 5125.3               | 43.45               | -10.55                  | 54                          | 29.86                     | 33.97                         | 12.15                  | 32.53                      | 215                  | 347                     | A                       | V               |
|                                     |                                                                                             | 5310                 | 103.44              | -                       | -                           | 89.4                      | 34.4                          | 12.2                   | 32.56                      | 215                  | 347                     | P                       | V               |
|                                     |                                                                                             | 5310                 | 96.46               | -                       | -                           | 82.42                     | 34.4                          | 12.2                   | 32.56                      | 215                  | 347                     | A                       | V               |
|                                     |                                                                                             | 5353.92              | 53.52               | -20.48                  | 74                          | 39.48                     | 34.4                          | 12.21                  | 32.57                      | 215                  | 347                     | P                       | V               |
|                                     |                                                                                             | 5351.04              | 44.32               | -9.68                   | 54                          | 30.28                     | 34.4                          | 12.21                  | 32.57                      | 215                  | 347                     | A                       | V               |
| Remark                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**U-NII-2A 5250~5350MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+2 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11n             |                                                                                             | 10540                | 47.8                | -20.5                   | 68.3                        | 45.99                   | 37.52                         | 15.41                  | 51.12                      | -                    | -                       | P                     | H             |
| HT40                |                                                                                             | 15810                | 47.95               | -26.05                  | 74                          | 42.86                   | 40.33                         | 17.92                  | 53.16                      | -                    | -                       | P                     | H             |
| CH 54               |                                                                                             | 10540                | 48.98               | -19.32                  | 68.3                        | 47.17                   | 37.52                         | 15.41                  | 51.12                      | -                    | -                       | P                     | V             |
| 5270MHz             |                                                                                             | 15810                | 46.68               | -27.32                  | 74                          | 41.59                   | 40.33                         | 17.92                  | 53.16                      | -                    | -                       | P                     | V             |
| 802.11n             |                                                                                             | 10620                | 47.5                | -26.5                   | 74                          | 45.5                    | 37.57                         | 15.6                   | 51.17                      | -                    | -                       | P                     | H             |
| HT40                |                                                                                             | 15930                | 47.88               | -26.12                  | 74                          | 42.83                   | 40.44                         | 17.99                  | 53.38                      | -                    | -                       | P                     | H             |
| CH 62               |                                                                                             | 10620                | 46.94               | -27.06                  | 74                          | 44.94                   | 37.57                         | 15.6                   | 51.17                      | -                    | -                       | P                     | V             |
| 5310MHz             |                                                                                             | 15930                | 47.34               | -26.66                  | 74                          | 42.29                   | 40.44                         | 17.99                  | 53.38                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



**U-NII-2A 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                             | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11ac<br/>VHT80<br/>CH 58<br/>5290MHz</b> |                                                                                             | 5073.5               | 52.51               | -21.49                  | 74                          | 39.03                   | 33.87                         | 12.13                  | 32.52                      | 224                  | 356                     | P                     | H             |
|                                                 |                                                                                             | 5122.5               | 43.69               | -10.31                  | 54                          | 30.15                   | 33.93                         | 12.14                  | 32.53                      | 224                  | 356                     | A                     | H             |
|                                                 |                                                                                             | 5290                 | 103.18              | -                       | -                           | 89.18                   | 34.37                         | 12.19                  | 32.56                      | 224                  | 356                     | P                     | H             |
|                                                 |                                                                                             | 5290                 | 96.07               | -                       | -                           | 82.07                   | 34.37                         | 12.19                  | 32.56                      | 224                  | 356                     | A                     | H             |
|                                                 |                                                                                             | 5360.4               | 55.45               | -18.55                  | 74                          | 41.41                   | 34.4                          | 12.21                  | 32.57                      | 224                  | 356                     | P                     | H             |
|                                                 |                                                                                             | 5355.6               | 46.98               | -7.02                   | 54                          | 32.94                   | 34.4                          | 12.21                  | 32.57                      | 224                  | 356                     | A                     | H             |
|                                                 |                                                                                             | 5116.2               | 53.94               | -20.06                  | 74                          | 40.4                    | 33.93                         | 12.14                  | 32.53                      | 175                  | 341                     | P                     | V             |
|                                                 |                                                                                             | 5122.15              | 43.33               | -10.67                  | 54                          | 29.79                   | 33.93                         | 12.14                  | 32.53                      | 175                  | 341                     | A                     | V             |
|                                                 |                                                                                             | 5290                 | 101.08              | -                       | -                           | 87.08                   | 34.37                         | 12.19                  | 32.56                      | 175                  | 341                     | P                     | V             |
|                                                 |                                                                                             | 5290                 | 94.68               | -                       | -                           | 80.68                   | 34.37                         | 12.19                  | 32.56                      | 175                  | 341                     | A                     | V             |
|                                                 |                                                                                             | 5352.24              | 54.12               | -19.88                  | 74                          | 40.08                   | 34.4                          | 12.21                  | 32.57                      | 175                  | 341                     | P                     | V             |
|                                                 |                                                                                             | 5352.72              | 45.08               | -8.92                   | 54                          | 31.04                   | 34.4                          | 12.21                  | 32.57                      | 175                  | 341                     | A                     | V             |
| <b>Remark</b>                                   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

**U-NII-2A 5250~5350MHz****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            |                                                                                             | 10580                | 49.07               | -19.23                  | 68.3                        | 47.16                   | 37.55                         | 15.51                  | 51.15                      | -                    | -                       | P                     | H             |
| VHT80               |                                                                                             | 15870                | 47.61               | -26.39                  | 74                          | 42.55                   | 40.39                         | 17.95                  | 53.28                      | -                    | -                       | P                     | H             |
| CH 58               |                                                                                             | 10580                | 50.02               | -18.28                  | 68.3                        | 48.11                   | 37.55                         | 15.51                  | 51.15                      | -                    | -                       | P                     | V             |
| 5290MHz             |                                                                                             | 15870                | 47.56               | -26.44                  | 74                          | 42.5                    | 40.39                         | 17.95                  | 53.28                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



**U-NII-2A 5250~5350MHz**  
**WIFI 802.11ac VHT160 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                    | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|----------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ac<br>VHT160<br>CH 50<br>5250MHz |                                                                                             | 5109.46              | 55.72               | -18.28                  | 74                          | 42.17                     | 33.93                         | 12.14                  | 32.52                      | 238                  | 353                     | P                       | H               |
|                                        |                                                                                             | 5140.4               | 45.58               | -8.42                   | 54                          | 31.96                     | 34                            | 12.15                  | 32.53                      | 238                  | 353                     | A                       | H               |
|                                        |                                                                                             | 5250                 | 99                  | -                       | -                           | 85.07                     | 34.3                          | 12.18                  | 32.55                      | 238                  | 353                     | P                       | H               |
|                                        |                                                                                             | 5250                 | 92.07               | -                       | -                           | 78.14                     | 34.3                          | 12.18                  | 32.55                      | 238                  | 353                     | A                       | H               |
|                                        |                                                                                             | 5396.16              | 58.25               | -15.75                  | 74                          | 44.21                     | 34.4                          | 12.22                  | 32.58                      | 238                  | 353                     | P                       | H               |
|                                        |                                                                                             | 5398.8               | 47.37               | -6.63                   | 54                          | 33.33                     | 34.4                          | 12.22                  | 32.58                      | 238                  | 353                     | A                       | H               |
|                                        |                                                                                             | 5106.86              | 53.72               | -20.28                  | 74                          | 40.17                     | 33.93                         | 12.14                  | 32.52                      | 225                  | 345                     | P                       | V               |
|                                        |                                                                                             | 5126.1               | 44.7                | -9.3                    | 54                          | 31.11                     | 33.97                         | 12.15                  | 32.53                      | 225                  | 345                     | A                       | V               |
|                                        |                                                                                             | 5250                 | 94.78               | -                       | -                           | 80.85                     | 34.3                          | 12.18                  | 32.55                      | 225                  | 345                     | P                       | V               |
|                                        |                                                                                             | 5250                 | 87.1                | -                       | -                           | 73.17                     | 34.3                          | 12.18                  | 32.55                      | 225                  | 345                     | A                       | V               |
|                                        |                                                                                             | 5363.28              | 53.42               | -20.58                  | 74                          | 39.38                     | 34.4                          | 12.21                  | 32.57                      | 225                  | 345                     | P                       | V               |
|                                        |                                                                                             | 5351.76              | 44.27               | -9.73                   | 54                          | 30.23                     | 34.4                          | 12.21                  | 32.57                      | 225                  | 345                     | A                       | V               |
| Remark                                 | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**U-NII-2A 5250~5350MHz****WIFI 802.11ac VHT160 (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            |                                                                                             | 10500                | 46.87               | -21.43                  | 68.3                        | 45.15                   | 37.5                          | 15.32                  | 51.1                       | -                    | -                       | P                     | H             |
| VHT160              |                                                                                             | 15750                | 47.54               | -26.46                  | 74                          | 42.44                   | 40.28                         | 17.89                  | 53.07                      | -                    | -                       | P                     | H             |
| CH 50               |                                                                                             | 10500                | 48.73               | -19.57                  | 68.3                        | 47.01                   | 37.5                          | 15.32                  | 51.1                       | -                    | -                       | P                     | V             |
| 5250MHz             |                                                                                             | 15750                | 47.74               | -26.26                  | 74                          | 42.64                   | 40.28                         | 17.89                  | 53.07                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2C - 5470~5725MHz

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

| WIFI<br>Ant.<br>1+2          | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11a<br>CH 100<br>5500MHz |      | 5399.76              | 53.83               | -20.17                  | 74                          | 39.79                   | 34.4                          | 12.22                  | 32.58                      | 290                  | 360                     | P                     | H             |
|                              |      | 5460.4               | 50.86               | -17.44                  | 68.3                        | 36.81                   | 34.4                          | 12.24                  | 32.59                      | 290                  | 360                     | P                     | H             |
|                              |      | 5352.4               | 42.95               | -11.05                  | 54                          | 28.91                   | 34.4                          | 12.21                  | 32.57                      | 290                  | 360                     | A                     | H             |
|                              |      | 5500                 | 110.05              | -                       | -                           | 96                      | 34.4                          | 12.25                  | 32.6                       | 290                  | 360                     | P                     | H             |
|                              |      | 5500                 | 101.93              | -                       | -                           | 87.88                   | 34.4                          | 12.25                  | 32.6                       | 290                  | 360                     | A                     | H             |
|                              |      | 5395.12              | 51.43               | -22.57                  | 74                          | 37.39                   | 34.4                          | 12.22                  | 32.58                      | 100                  | 242                     | P                     | V             |
|                              |      | 5466.32              | 50.2                | -18.1                   | 68.3                        | 36.15                   | 34.4                          | 12.24                  | 32.59                      | 100                  | 242                     | P                     | V             |
|                              |      | 5457.68              | 42.44               | -11.56                  | 54                          | 28.39                   | 34.4                          | 12.24                  | 32.59                      | 100                  | 242                     | A                     | V             |
|                              |      | 5500                 | 102.46              | -                       | -                           | 88.41                   | 34.4                          | 12.25                  | 32.6                       | 100                  | 242                     | P                     | V             |
|                              |      | 5500                 | 95.93               | -                       | -                           | 81.88                   | 34.4                          | 12.25                  | 32.6                       | 100                  | 242                     | A                     | V             |
| 802.11a<br>CH 116<br>5580MHz |      | 5385.28              | 52.43               | -21.57                  | 74                          | 38.39                   | 34.4                          | 12.22                  | 32.58                      | 291                  | 360                     | P                     | H             |
|                              |      | 5466.88              | 51.79               | -16.51                  | 68.3                        | 37.74                   | 34.4                          | 12.24                  | 32.59                      | 291                  | 360                     | P                     | H             |
|                              |      | 5427.28              | 42.9                | -11.1                   | 54                          | 28.86                   | 34.4                          | 12.23                  | 32.59                      | 291                  | 360                     | A                     | H             |
|                              |      | 5580                 | 109.92              | -                       | -                           | 95.95                   | 34.3                          | 12.27                  | 32.6                       | 291                  | 360                     | P                     | H             |
|                              |      | 5580                 | 101.55              | -                       | -                           | 87.58                   | 34.3                          | 12.27                  | 32.6                       | 291                  | 360                     | A                     | H             |
|                              |      | 5759.645             | 52.84               | -15.46                  | 68.3                        | 38.57                   | 34.57                         | 12.3                   | 32.6                       | 291                  | 360                     | P                     | H             |
|                              |      | 5442.4               | 52.63               | -21.37                  | 74                          | 38.59                   | 34.4                          | 12.23                  | 32.59                      | 100                  | 187                     | P                     | V             |
|                              |      | 5467.84              | 51.11               | -17.19                  | 68.3                        | 37.06                   | 34.4                          | 12.24                  | 32.59                      | 100                  | 187                     | P                     | V             |
|                              |      | 5459.68              | 42.43               | -11.57                  | 54                          | 28.38                   | 34.4                          | 12.24                  | 32.59                      | 100                  | 187                     | A                     | V             |
|                              |      | 5580                 | 101.95              | -                       | -                           | 87.98                   | 34.3                          | 12.27                  | 32.6                       | 100                  | 187                     | P                     | V             |
|                              |      | 5580                 | 94.67               | -                       | -                           | 80.7                    | 34.3                          | 12.27                  | 32.6                       | 100                  | 187                     | A                     | V             |
|                              |      | 5761.22              | 51.67               | -16.63                  | 68.3                        | 37.4                    | 34.57                         | 12.3                   | 32.6                       | 100                  | 187                     | P                     | V             |



|                                                   |                                                                                                                                                  |         |        |        |      |       |       |       |      |     |     |   |   |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|-------|------|-----|-----|---|---|
| <b>802.11a</b><br><b>CH 140</b><br><b>5700MHz</b> |                                                                                                                                                  | 5700    | 108.42 | -      | -    | 94.33 | 34.4  | 12.29 | 32.6 | 276 | 360 | P | H |
|                                                   |                                                                                                                                                  | 5700    | 101.1  | -      | -    | 87.01 | 34.4  | 12.29 | 32.6 | 276 | 360 | A | H |
|                                                   |                                                                                                                                                  | 5727.24 | 52.87  | -15.43 | 68.3 | 38.7  | 34.47 | 12.3  | 32.6 | 276 | 360 | P | H |
|                                                   |                                                                                                                                                  | 5700    | 101.05 | -      | -    | 86.96 | 34.4  | 12.29 | 32.6 | 100 | 159 | P | V |
|                                                   |                                                                                                                                                  | 5700    | 94.79  | -      | -    | 80.7  | 34.4  | 12.29 | 32.6 | 100 | 159 | A | V |
|                                                   |                                                                                                                                                  | 5761.4  | 54.61  | -13.69 | 68.3 | 40.34 | 34.57 | 12.3  | 32.6 | 100 | 159 | P | V |
| <b>Remark</b>                                     | <ol style="list-style-type: none"><li>1. No other spurious found.</li><li>2. All results are PASS against Peak and Average limit line.</li></ol> |         |        |        |      |       |       |       |      |     |     |   |   |



## U-NII-2C - 5470~5725MHz

## 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 100<br>5500MHz |                                                                                             | 11000                | 46.75               | -27.25                  | 74                          | 43.86                     | 37.8                          | 16.49                  | 51.4                       | -                    | -                       | P                       | H               |
|                              |                                                                                             | 16500                | 47.85               | -20.45                  | 68.3                        | 41.04                     | 41.31                         | 18.2                   | 52.7                       | -                    | -                       | P                       | H               |
|                              |                                                                                             | 11000                | 47.61               | -26.39                  | 74                          | 44.72                     | 37.8                          | 16.49                  | 51.4                       | -                    | -                       | P                       | V               |
|                              |                                                                                             | 16500                | 46.79               | -21.51                  | 68.3                        | 39.98                     | 41.31                         | 18.2                   | 52.7                       | -                    | -                       | P                       | V               |
| 802.11a<br>CH 116<br>5580MHz |                                                                                             | 11160                | 45.87               | -28.13                  | 74                          | 42.7                      | 37.94                         | 16.5                   | 51.27                      | -                    | -                       | P                       | H               |
|                              |                                                                                             | 16740                | 46.63               | -21.67                  | 68.3                        | 39.79                     | 41.69                         | 18.28                  | 53.13                      | -                    | -                       | P                       | H               |
|                              |                                                                                             | 11160                | 46.25               | -27.75                  | 74                          | 43.08                     | 37.94                         | 16.5                   | 51.27                      | -                    | -                       | P                       | V               |
|                              |                                                                                             | 16740                | 46.92               | -21.38                  | 68.3                        | 40.08                     | 41.69                         | 18.28                  | 53.13                      | -                    | -                       | P                       | V               |
| 802.11a<br>CH 140<br>5700MHz |                                                                                             | 11400                | 47.53               | -26.47                  | 74                          | 43.96                     | 38.13                         | 16.52                  | 51.08                      | -                    | -                       | P                       | H               |
|                              |                                                                                             | 17100                | 46.41               | -21.89                  | 68.3                        | 39.52                     | 42                            | 18.41                  | 53.52                      | -                    | -                       | P                       | H               |
|                              |                                                                                             | 11400                | 47.69               | -26.31                  | 74                          | 44.12                     | 38.13                         | 16.52                  | 51.08                      | -                    | -                       | P                       | V               |
|                              |                                                                                             | 17100                | 47.97               | -20.33                  | 68.3                        | 41.08                     | 42                            | 18.41                  | 53.52                      | -                    | -                       | P                       | V               |
| Remark                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-2C - 5470~5725MHz

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

| WIFI<br>Ant.<br>1+2                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT20<br>CH 100<br>5500MHz |      | 5425.52              | 51.97               | -22.03                  | 74                          | 37.92                     | 34.4                          | 12.23                  | 32.58                      | 206                  | 355                     | P                       | H               |
|                                      |      | 5469.68              | 51.99               | -16.31                  | 68.3                        | 37.94                     | 34.4                          | 12.24                  | 32.59                      | 206                  | 355                     | P                       | H               |
|                                      |      | 5352.08              | 43.38               | -10.62                  | 54                          | 29.34                     | 34.4                          | 12.21                  | 32.57                      | 206                  | 355                     | A                       | H               |
|                                      |      | 5500                 | 111.54              | -                       | -                           | 97.49                     | 34.4                          | 12.25                  | 32.6                       | 206                  | 355                     | P                       | H               |
|                                      |      | 5500                 | 105.31              | -                       | -                           | 91.26                     | 34.4                          | 12.25                  | 32.6                       | 206                  | 355                     | A                       | H               |
|                                      |      | 5366.48              | 51.63               | -22.37                  | 74                          | 37.59                     | 34.4                          | 12.21                  | 32.57                      | 226                  | 168                     | P                       | V               |
|                                      |      | 5463.12              | 52.9                | -15.4                   | 68.3                        | 38.85                     | 34.4                          | 12.24                  | 32.59                      | 226                  | 168                     | P                       | V               |
|                                      |      | 5459.76              | 42.5                | -11.5                   | 54                          | 28.45                     | 34.4                          | 12.24                  | 32.59                      | 226                  | 168                     | A                       | V               |
|                                      |      | 5500                 | 104.59              | -                       | -                           | 90.54                     | 34.4                          | 12.25                  | 32.6                       | 226                  | 168                     | P                       | V               |
|                                      |      | 5500                 | 98.42               | -                       | -                           | 84.37                     | 34.4                          | 12.25                  | 32.6                       | 226                  | 168                     | A                       | V               |
| 802.11n<br>HT20<br>CH 116<br>5580MHz |      | 5401.36              | 53.28               | -20.72                  | 74                          | 39.24                     | 34.4                          | 12.22                  | 32.58                      | 202                  | 359                     | P                       | H               |
|                                      |      | 5461.36              | 51.16               | -17.14                  | 68.3                        | 37.11                     | 34.4                          | 12.24                  | 32.59                      | 202                  | 359                     | P                       | H               |
|                                      |      | 5434.72              | 43.08               | -10.92                  | 54                          | 29.04                     | 34.4                          | 12.23                  | 32.59                      | 202                  | 359                     | A                       | H               |
|                                      |      | 5580                 | 109.68              | -                       | -                           | 95.71                     | 34.3                          | 12.27                  | 32.6                       | 202                  | 359                     | P                       | H               |
|                                      |      | 5580                 | 103.61              | -                       | -                           | 89.64                     | 34.3                          | 12.27                  | 32.6                       | 202                  | 359                     | A                       | H               |
|                                      |      | 5759.645             | 51.64               | -16.66                  | 68.3                        | 37.37                     | 34.57                         | 12.3                   | 32.6                       | 202                  | 359                     | P                       | H               |
|                                      |      | 5425.36              | 52.32               | -21.68                  | 74                          | 38.27                     | 34.4                          | 12.23                  | 32.58                      | 202                  | 12                      | P                       | V               |
|                                      |      | 5463.52              | 50.42               | -17.88                  | 68.3                        | 36.37                     | 34.4                          | 12.24                  | 32.59                      | 202                  | 12                      | P                       | V               |
|                                      |      | 5457.52              | 42.33               | -11.67                  | 54                          | 28.28                     | 34.4                          | 12.24                  | 32.59                      | 202                  | 12                      | A                       | V               |
|                                      |      | 5580                 | 103.22              | -                       | -                           | 89.25                     | 34.3                          | 12.27                  | 32.6                       | 202                  | 12                      | P                       | V               |
|                                      |      | 5580                 | 97.13               | -                       | -                           | 83.16                     | 34.3                          | 12.27                  | 32.6                       | 202                  | 12                      | A                       | V               |
|                                      |      | 5729.09              | 53.18               | -15.12                  | 68.3                        | 39.01                     | 34.47                         | 12.3                   | 32.6                       | 202                  | 12                      | P                       | V               |



|                                                                  |                                                                                                                                                  |         |        |        |      |       |       |       |      |     |    |   |   |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|-------|-------|------|-----|----|---|---|
| <b>802.11n</b><br><b>HT20</b><br><b>CH 140</b><br><b>5700MHz</b> |                                                                                                                                                  | 5700    | 108.05 | -      | -    | 93.96 | 34.4  | 12.29 | 32.6 | 244 | 43 | P | H |
|                                                                  |                                                                                                                                                  | 5700    | 101.98 | -      | -    | 87.89 | 34.4  | 12.29 | 32.6 | 244 | 43 | A | H |
|                                                                  |                                                                                                                                                  | 5764.76 | 53.07  | -15.23 | 68.3 | 38.8  | 34.57 | 12.3  | 32.6 | 244 | 43 | P | H |
|                                                                  |                                                                                                                                                  | 5700    | 102.56 | -      | -    | 88.47 | 34.4  | 12.29 | 32.6 | 178 | 4  | P | V |
|                                                                  |                                                                                                                                                  | 5700    | 96.46  | -      | -    | 82.37 | 34.4  | 12.29 | 32.6 | 178 | 4  | A | V |
|                                                                  |                                                                                                                                                  | 5732.6  | 51.74  | -16.56 | 68.3 | 37.57 | 34.47 | 12.3  | 32.6 | 178 | 4  | P | V |
| <b>Remark</b>                                                    | <ol style="list-style-type: none"><li>1. No other spurious found.</li><li>2. All results are PASS against Peak and Average limit line.</li></ol> |         |        |        |      |       |       |       |      |     |    |   |   |



## U-NII-2C - 5470~5725MHz

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

| WIFI<br>Ant.<br>1+2 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n             |                                                                                             | 11000                | 47.6                | -26.4                   | 74                          | 44.71                     | 37.8                          | 16.49                  | 51.4                       | -                    | -                       | P                       | H               |
| HT20                |                                                                                             | 16500                | 48.76               | -19.54                  | 68.3                        | 41.95                     | 41.31                         | 18.2                   | 52.7                       | -                    | -                       | P                       | H               |
| CH 100              |                                                                                             | 11000                | 46.66               | -27.34                  | 74                          | 43.77                     | 37.8                          | 16.49                  | 51.4                       | -                    | -                       | P                       | V               |
| 5500MHz             |                                                                                             | 16500                | 48.69               | -19.61                  | 68.3                        | 41.88                     | 41.31                         | 18.2                   | 52.7                       | -                    | -                       | P                       | V               |
| 802.11n             |                                                                                             | 11160                | 46.16               | -27.84                  | 74                          | 42.99                     | 37.94                         | 16.5                   | 51.27                      | -                    | -                       | P                       | H               |
| HT20                |                                                                                             | 16740                | 47.69               | -20.61                  | 68.3                        | 40.85                     | 41.69                         | 18.28                  | 53.13                      | -                    | -                       | P                       | H               |
| CH 116              |                                                                                             | 11160                | 47.16               | -26.84                  | 74                          | 43.99                     | 37.94                         | 16.5                   | 51.27                      | -                    | -                       | P                       | V               |
| 5580MHz             |                                                                                             | 16740                | 48.6                | -19.7                   | 68.3                        | 41.76                     | 41.69                         | 18.28                  | 53.13                      | -                    | -                       | P                       | V               |
| 802.11n             |                                                                                             | 11400                | 46.64               | -27.36                  | 74                          | 43.07                     | 38.13                         | 16.52                  | 51.08                      | -                    | -                       | P                       | H               |
| HT20                |                                                                                             | 17100                | 49.61               | -18.69                  | 68.3                        | 42.72                     | 42                            | 18.41                  | 53.52                      | -                    | -                       | P                       | H               |
| CH 140              |                                                                                             | 11400                | 47.56               | -26.44                  | 74                          | 43.99                     | 38.13                         | 16.52                  | 51.08                      | -                    | -                       | P                       | V               |
| 5700MHz             |                                                                                             | 17100                | 49.66               | -18.64                  | 68.3                        | 42.77                     | 42                            | 18.41                  | 53.52                      | -                    | -                       | P                       | V               |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-2C - 5470~5725MHz

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

| WIFI<br>Ant.<br>1+2                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 102<br>5510MHz |      | 5434.72              | 52.36               | -21.64                  | 74                          | 38.32                     | 34.4                          | 12.23                  | 32.59                      | 211                  | 359                     | P                       | H               |
|                                      |      | 5470                 | 53.74               | -14.56                  | 68.3                        | 39.69                     | 34.4                          | 12.24                  | 32.59                      | 211                  | 359                     | P                       | H               |
|                                      |      | 5459.92              | 43.43               | -10.57                  | 54                          | 29.38                     | 34.4                          | 12.24                  | 32.59                      | 211                  | 359                     | A                       | H               |
|                                      |      | 5510                 | 107.51              | -                       | -                           | 93.46                     | 34.4                          | 12.25                  | 32.6                       | 211                  | 359                     | P                       | H               |
|                                      |      | 5510                 | 100.78              | -                       | -                           | 86.73                     | 34.4                          | 12.25                  | 32.6                       | 211                  | 359                     | A                       | H               |
|                                      |      | 5728.145             | 52.64               | -15.66                  | 68.3                        | 38.47                     | 34.47                         | 12.3                   | 32.6                       | 211                  | 359                     | P                       | H               |
|                                      |      | 5446.96              | 51.28               | -22.72                  | 74                          | 37.23                     | 34.4                          | 12.24                  | 32.59                      | 187                  | 358                     | P                       | V               |
|                                      |      | 5464.24              | 52.59               | -15.71                  | 68.3                        | 38.54                     | 34.4                          | 12.24                  | 32.59                      | 187                  | 358                     | P                       | V               |
|                                      |      | 5459.92              | 42.49               | -11.51                  | 54                          | 28.44                     | 34.4                          | 12.24                  | 32.59                      | 187                  | 358                     | A                       | V               |
|                                      |      | 5510                 | 101.28              | -                       | -                           | 87.23                     | 34.4                          | 12.25                  | 32.6                       | 187                  | 358                     | P                       | V               |
|                                      |      | 5510                 | 95.07               | -                       | -                           | 81.02                     | 34.4                          | 12.25                  | 32.6                       | 187                  | 358                     | A                       | V               |
|                                      |      | 5740.745             | 51.78               | -16.52                  | 68.3                        | 37.58                     | 34.5                          | 12.3                   | 32.6                       | 187                  | 358                     | P                       | V               |
| 802.11n<br>HT40<br>CH 110<br>5550MHz |      | 5439.52              | 53.5                | -20.5                   | 74                          | 39.46                     | 34.4                          | 12.23                  | 32.59                      | 200                  | 360                     | P                       | H               |
|                                      |      | 5465.92              | 50.3                | -18                     | 68.3                        | 36.25                     | 34.4                          | 12.24                  | 32.59                      | 200                  | 360                     | P                       | H               |
|                                      |      | 5382.64              | 42.77               | -11.23                  | 54                          | 28.73                     | 34.4                          | 12.22                  | 32.58                      | 200                  | 360                     | A                       | H               |
|                                      |      | 5550                 | 107.04              | -                       | -                           | 93.08                     | 34.3                          | 12.26                  | 32.6                       | 200                  | 360                     | P                       | H               |
|                                      |      | 5550                 | 100.6               | -                       | -                           | 86.64                     | 34.3                          | 12.26                  | 32.6                       | 200                  | 360                     | A                       | H               |
|                                      |      | 5731.295             | 52.6                | -15.7                   | 68.3                        | 38.43                     | 34.47                         | 12.3                   | 32.6                       | 200                  | 360                     | P                       | H               |
|                                      |      | 5368.96              | 52.43               | -21.57                  | 74                          | 38.39                     | 34.4                          | 12.21                  | 32.57                      | 185                  | 360                     | P                       | V               |
|                                      |      | 5466.4               | 50.48               | -17.82                  | 68.3                        | 36.43                     | 34.4                          | 12.24                  | 32.59                      | 185                  | 360                     | P                       | V               |
|                                      |      | 5458.72              | 42.28               | -11.72                  | 54                          | 28.23                     | 34.4                          | 12.24                  | 32.59                      | 185                  | 360                     | A                       | V               |
|                                      |      | 5550                 | 102.15              | -                       | -                           | 88.19                     | 34.3                          | 12.26                  | 32.6                       | 185                  | 360                     | P                       | V               |
|                                      |      | 5550                 | 95.31               | -                       | -                           | 81.35                     | 34.3                          | 12.26                  | 32.6                       | 185                  | 360                     | A                       | V               |
|                                      |      | 5756.18              | 52.42               | -15.88                  | 68.3                        | 38.15                     | 34.57                         | 12.3                   | 32.6                       | 185                  | 360                     | P                       | V               |



|                                                                              |                                                                                             |          |        |        |      |       |       |       |       |     |     |   |   |
|------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11n</b><br><br><b>HT40</b><br><br><b>CH 134</b><br><br><b>5670MHz</b> |                                                                                             | 5358.4   | 51.68  | -22.32 | 74   | 37.64 | 34.4  | 12.21 | 32.57 | 207 | 360 | P | H |
|                                                                              |                                                                                             | 5463.05  | 51.24  | -17.06 | 68.3 | 37.19 | 34.4  | 12.24 | 32.59 | 207 | 360 | P | H |
|                                                                              |                                                                                             | 5459.9   | 42.58  | -11.42 | 54   | 28.53 | 34.4  | 12.24 | 32.59 | 207 | 360 | A | H |
|                                                                              |                                                                                             | 5670     | 106.08 | -      | -    | 92    | 34.4  | 12.28 | 32.6  | 207 | 360 | P | H |
|                                                                              |                                                                                             | 5670     | 98.54  | -      | -    | 84.46 | 34.4  | 12.28 | 32.6  | 207 | 360 | A | H |
|                                                                              |                                                                                             | 5756.95  | 51.69  | -16.61 | 68.3 | 37.42 | 34.57 | 12.3  | 32.6  | 207 | 360 | P | H |
|                                                                              |                                                                                             | 5375.55  | 51.41  | -22.59 | 74   | 37.37 | 34.4  | 12.22 | 32.58 | 176 | 360 | P | V |
|                                                                              |                                                                                             | 5466.2   | 50.54  | -17.76 | 68.3 | 36.49 | 34.4  | 12.24 | 32.59 | 176 | 360 | P | V |
|                                                                              |                                                                                             | 5459.9   | 42.3   | -11.7  | 54   | 28.25 | 34.4  | 12.24 | 32.59 | 176 | 360 | A | V |
|                                                                              |                                                                                             | 5670     | 100.88 | -      | -    | 86.8  | 34.4  | 12.28 | 32.6  | 176 | 360 | P | V |
|                                                                              |                                                                                             | 5670     | 94.17  | -      | -    | 80.09 | 34.4  | 12.28 | 32.6  | 176 | 360 | A | V |
|                                                                              |                                                                                             | 5739.625 | 52.19  | -16.11 | 68.3 | 37.99 | 34.5  | 12.3  | 32.6  | 176 | 360 | P | V |
| <b>Remark</b>                                                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |      |       |       |       |       |     |     |   |   |



**U-NII-2C - 5470~5725MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

| WIFI<br>Ant.<br>1+2                  | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n<br>HT40<br>CH 102<br>5510MHz |                                                                                             | 11020                | 47.38               | -26.62                  | 74                          | 44.47                     | 37.81                         | 16.49                  | 51.39                      | -                    | -                       | P                       | H               |
|                                      |                                                                                             | 16530                | 48.13               | -20.17                  | 68.3                        | 41.31                     | 41.37                         | 18.21                  | 52.76                      | -                    | -                       | P                       | H               |
|                                      |                                                                                             | 11020                | 47.8                | -26.2                   | 74                          | 44.89                     | 37.81                         | 16.49                  | 51.39                      | -                    | -                       | P                       | V               |
|                                      |                                                                                             | 16530                | 49.3                | -19                     | 68.3                        | 42.48                     | 41.37                         | 18.21                  | 52.76                      | -                    | -                       | P                       | V               |
| 802.11n<br>HT40<br>CH 110<br>5550MHz |                                                                                             | 11100                | 46.48               | -27.52                  | 74                          | 43.42                     | 37.88                         | 16.5                   | 51.32                      | -                    | -                       | P                       | H               |
|                                      |                                                                                             | 16650                | 49.35               | -18.95                  | 68.3                        | 42.52                     | 41.56                         | 18.25                  | 52.98                      | -                    | -                       | P                       | H               |
|                                      |                                                                                             | 11100                | 47.54               | -26.46                  | 74                          | 44.48                     | 37.88                         | 16.5                   | 51.32                      | -                    | -                       | P                       | V               |
|                                      |                                                                                             | 16650                | 48.46               | -19.84                  | 68.3                        | 41.63                     | 41.56                         | 18.25                  | 52.98                      | -                    | -                       | P                       | V               |
| 802.11n<br>HT40<br>CH 134<br>5670MHz |                                                                                             | 11340                | 46.31               | -27.69                  | 74                          | 42.85                     | 38.07                         | 16.52                  | 51.13                      | -                    | -                       | P                       | H               |
|                                      |                                                                                             | 17010                | 49.26               | -19.04                  | 68.3                        | 42.4                      | 42.08                         | 18.37                  | 53.59                      | -                    | -                       | P                       | H               |
|                                      |                                                                                             | 11340                | 47.57               | -26.43                  | 74                          | 44.11                     | 38.07                         | 16.52                  | 51.13                      | -                    | -                       | P                       | V               |
|                                      |                                                                                             | 17010                | 49.18               | -19.12                  | 68.3                        | 42.32                     | 42.08                         | 18.37                  | 53.59                      | -                    | -                       | P                       | V               |
| Remark                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**U-NII-2C - 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                              | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11ac<br/>VHT80<br/>CH 106<br/>5530MHz</b> |                                                                                             | 5458.48              | 54.91               | -19.09                  | 74                          | 40.86                     | 34.4                          | 12.24                  | 32.59                      | 184                  | 359                     | P                       | H               |
|                                                  |                                                                                             | 5461.84              | 55.44               | -12.86                  | 68.3                        | 41.39                     | 34.4                          | 12.24                  | 32.59                      | 184                  | 359                     | P                       | H               |
|                                                  |                                                                                             | 5459.44              | 46.09               | -7.91                   | 54                          | 32.04                     | 34.4                          | 12.24                  | 32.59                      | 184                  | 359                     | A                       | H               |
|                                                  |                                                                                             | 5530                 | 104.29              | -                       | -                           | 90.26                     | 34.37                         | 12.26                  | 32.6                       | 184                  | 359                     | P                       | H               |
|                                                  |                                                                                             | 5530                 | 97.33               | -                       | -                           | 83.3                      | 34.37                         | 12.26                  | 32.6                       | 184                  | 359                     | A                       | H               |
|                                                  |                                                                                             | 5746.415             | 51.08               | -17.22                  | 68.3                        | 36.88                     | 34.5                          | 12.3                   | 32.6                       | 184                  | 359                     | P                       | H               |
|                                                  |                                                                                             | 5450.8               | 51.12               | -22.88                  | 74                          | 37.07                     | 34.4                          | 12.24                  | 32.59                      | 185                  | 360                     | P                       | V               |
|                                                  |                                                                                             | 5466.64              | 52.19               | -16.11                  | 68.3                        | 38.14                     | 34.4                          | 12.24                  | 32.59                      | 185                  | 360                     | P                       | V               |
|                                                  |                                                                                             | 5459.92              | 43.48               | -10.52                  | 54                          | 29.43                     | 34.4                          | 12.24                  | 32.59                      | 185                  | 360                     | A                       | V               |
|                                                  |                                                                                             | 5530                 | 97.4                | -                       | -                           | 83.37                     | 34.37                         | 12.26                  | 32.6                       | 185                  | 360                     | P                       | V               |
|                                                  |                                                                                             | 5530                 | 90.51               | -                       | -                           | 76.48                     | 34.37                         | 12.26                  | 32.6                       | 185                  | 360                     | A                       | V               |
|                                                  |                                                                                             | 5729.09              | 52.6                | -15.7                   | 68.3                        | 38.43                     | 34.47                         | 12.3                   | 32.6                       | 185                  | 360                     | P                       | V               |
| <b>802.11ac<br/>VHT80<br/>CH 122<br/>5610MHz</b> |                                                                                             | 5372.8               | 52.62               | -21.38                  | 74                          | 38.58                     | 34.4                          | 12.21                  | 32.57                      | 184                  | 360                     | P                       | H               |
|                                                  |                                                                                             | 5461.6               | 50.83               | -17.47                  | 68.3                        | 36.78                     | 34.4                          | 12.24                  | 32.59                      | 184                  | 360                     | P                       | H               |
|                                                  |                                                                                             | 5459.92              | 43.14               | -10.86                  | 54                          | 29.09                     | 34.4                          | 12.24                  | 32.59                      | 184                  | 360                     | A                       | H               |
|                                                  |                                                                                             | 5610                 | 103.21              | -                       | -                           | 89.24                     | 34.3                          | 12.27                  | 32.6                       | 184                  | 360                     | P                       | H               |
|                                                  |                                                                                             | 5610                 | 96.5                | -                       | -                           | 82.53                     | 34.3                          | 12.27                  | 32.6                       | 184                  | 360                     | A                       | H               |
|                                                  |                                                                                             | 5751.175             | 51.36               | -16.94                  | 68.3                        | 37.16                     | 34.5                          | 12.3                   | 32.6                       | 184                  | 360                     | P                       | H               |
|                                                  |                                                                                             | 5363.2               | 52.33               | -21.67                  | 74                          | 38.29                     | 34.4                          | 12.21                  | 32.57                      | 164                  | 360                     | P                       | V               |
|                                                  |                                                                                             | 5466.88              | 49.98               | -18.32                  | 68.3                        | 35.93                     | 34.4                          | 12.24                  | 32.59                      | 164                  | 360                     | P                       | V               |
|                                                  |                                                                                             | 5458.48              | 42.33               | -11.67                  | 54                          | 28.28                     | 34.4                          | 12.24                  | 32.59                      | 164                  | 360                     | A                       | V               |
|                                                  |                                                                                             | 5610                 | 95.97               | -                       | -                           | 82                        | 34.3                          | 12.27                  | 32.6                       | 164                  | 360                     | P                       | V               |
|                                                  |                                                                                             | 5610                 | 88.8                | -                       | -                           | 74.83                     | 34.3                          | 12.27                  | 32.6                       | 164                  | 360                     | A                       | V               |
|                                                  |                                                                                             | 5725.8               | 51.21               | -17.09                  | 68.3                        | 37.04                     | 34.47                         | 12.3                   | 32.6                       | 164                  | 360                     | P                       | V               |
| <b>Remark</b>                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**U-NII-2C 5470~5725MHz**  
**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            |                                                                                             | 11060                | 47.89               | -26.11                  | 74                          | 44.9                    | 37.85                         | 16.49                  | 51.35                      | -                    | -                       | P                     | H             |
| VHT80               |                                                                                             | 16590                | 48.78               | -19.52                  | 68.3                        | 41.96                   | 41.45                         | 18.23                  | 52.86                      | -                    | -                       | P                     | H             |
| CH 106              |                                                                                             | 11060                | 47.85               | -26.15                  | 74                          | 44.86                   | 37.85                         | 16.49                  | 51.35                      | -                    | -                       | P                     | V             |
| 5530MHz             |                                                                                             | 16590                | 50.08               | -18.22                  | 68.3                        | 43.26                   | 41.45                         | 18.23                  | 52.86                      | -                    | -                       | P                     | V             |
| 802.11ac            |                                                                                             | 11220                | 47.31               | -26.69                  | 74                          | 44.05                   | 37.98                         | 16.51                  | 51.23                      | -                    | -                       | P                     | H             |
| VHT80               |                                                                                             | 16830                | 48.42               | -19.88                  | 68.3                        | 41.57                   | 41.83                         | 18.31                  | 53.29                      | -                    | -                       | P                     | H             |
| CH 122              |                                                                                             | 11220                | 46.57               | -27.43                  | 74                          | 43.31                   | 37.98                         | 16.51                  | 51.23                      | -                    | -                       | P                     | V             |
| 5610MHz             |                                                                                             | 16830                | 49.14               | -19.16                  | 68.3                        | 42.29                   | 41.83                         | 18.31                  | 53.29                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2C - 5470~5725MHz

## WIFI 802.11ac VHT160 (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                     | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-----------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ac<br>VHT160<br>CH 114<br>5570MHz |      | 5458.24              | 55.41               | -18.59                  | 74                          | 41.36                   | 34.4                          | 12.24                  | 32.59                      | 190                  | 360                     | P                     | H             |
|                                         |      | 5469.76              | 53.48               | -14.82                  | 68.3                        | 39.43                   | 34.4                          | 12.24                  | 32.59                      | 190                  | 360                     | P                     | H             |
|                                         |      | 5434.24              | 47.69               | -6.31                   | 54                          | 33.65                   | 34.4                          | 12.23                  | 32.59                      | 190                  | 360                     | A                     | H             |
|                                         |      | 5570                 | 98.76               | -                       | -                           | 84.8                    | 34.3                          | 12.26                  | 32.6                       | 190                  | 360                     | P                     | H             |
|                                         |      | 5570                 | 91.78               | -                       | -                           | 77.82                   | 34.3                          | 12.26                  | 32.6                       | 190                  | 360                     | A                     | H             |
|                                         |      | 5745.155             | 52.84               | -15.46                  | 68.3                        | 38.64                   | 34.5                          | 12.3                   | 32.6                       | 190                  | 360                     | P                     | H             |
|                                         |      | 5422                 | 51.81               | -22.19                  | 74                          | 37.76                   | 34.4                          | 12.23                  | 32.58                      | 201                  | 178                     | P                     | V             |
|                                         |      | 5460.4               | 51.96               | -16.34                  | 68.3                        | 37.91                   | 34.4                          | 12.24                  | 32.59                      | 201                  | 178                     | P                     | V             |
|                                         |      | 5455.84              | 45.98               | -8.02                   | 54                          | 31.93                   | 34.4                          | 12.24                  | 32.59                      | 201                  | 178                     | A                     | V             |
|                                         |      | 5570                 | 92.3                | -                       | -                           | 78.34                   | 34.3                          | 12.26                  | 32.6                       | 201                  | 178                     | P                     | V             |
|                                         |      | 5570                 | 85.45               | -                       | -                           | 71.49                   | 34.3                          | 12.26                  | 32.6                       | 201                  | 178                     | A                     | V             |
|                                         |      | 5753.66              | 52.35               | -15.95                  | 68.3                        | 38.08                   | 34.57                         | 12.3                   | 32.6                       | 201                  | 178                     | P                     | V             |

**U-NII-2C 5470~5725MHz****WIFI 802.11ac VHT160 (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            |      | 11140                | 47.97               | -26.03                  | 74                          | 44.85                   | 37.91                         | 16.5                   | 51.29                      | -                    | -                       | P                     | H             |
| VHT160              |      | 16710                | 47.28               | -21.02                  | 68.3                        | 40.44                   | 41.64                         | 18.27                  | 53.07                      | -                    | -                       | P                     | H             |
| CH 114              |      | 11140                | 47.51               | -26.49                  | 74                          | 44.39                   | 37.91                         | 16.5                   | 51.29                      | -                    | -                       | P                     | V             |
| 5570MHz             |      | 16710                | 47.46               | -20.84                  | 68.3                        | 40.62                   | 41.64                         | 18.27                  | 53.07                      | -                    | -                       | P                     | V             |



## U-NII-2C 5470~5725MHz

## Emission below 1GHz

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

| WIFI Ant.             | Note                                                                       | Frequency | Level      | Over Limit | Limit Line | Read Level | Antenna Factor | Path Loss | Preampl Factor | Ant Pos | Table Pos | Peak Avg. | Pol.  |
|-----------------------|----------------------------------------------------------------------------|-----------|------------|------------|------------|------------|----------------|-----------|----------------|---------|-----------|-----------|-------|
| 1+2                   |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB )     | ( dBμV/m ) | (dBμV)     | ( dB/m )       | ( dB )    | ( dB )         | ( cm )  | ( deg )   | (P/A)     | (H/V) |
| 802.11n<br>HT20<br>LF |                                                                            | 30.97     | 23.89      | -16.11     | 40         | 31.05      | 24.7           | 0.54      | 32.4           | 100     | 117       | P         | H     |
|                       |                                                                            | 95.96     | 19.81      | -23.69     | 43.5       | 35.32      | 15.6           | 0.99      | 32.1           | -       | -         | P         | H     |
|                       |                                                                            | 158.04    | 26.46      | -17.04     | 43.5       | 40.66      | 16.7           | 1.28      | 32.18          | -       | -         | P         | H     |
|                       |                                                                            | 315.18    | 23.61      | -22.39     | 46         | 33.95      | 19.5           | 1.86      | 31.7           | -       | -         | P         | H     |
|                       |                                                                            | 565.44    | 28.17      | -17.83     | 46         | 30.02      | 26.5           | 2.49      | 30.84          | -       | -         | P         | H     |
|                       |                                                                            | 967.02    | 33.52      | -20.48     | 54         | 30.31      | 31.3           | 3.26      | 31.35          | -       | -         | P         | H     |
|                       |                                                                            | 33.88     | 25.55      | -14.45     | 40         | 34.29      | 23.1           | 0.56      | 32.4           | -       | -         | P         | V     |
|                       |                                                                            | 72.68     | 21.53      | -18.47     | 40         | 40.33      | 12.7           | 0.85      | 32.35          | -       | -         | P         | V     |
|                       |                                                                            | 170.65    | 32.96      | -10.54     | 43.5       | 48.09      | 15.7           | 1.33      | 32.16          | 100     | 247       | P         | V     |
|                       |                                                                            | 316.15    | 27.07      | -18.93     | 46         | 37.41      | 19.5           | 1.86      | 31.7           | -       | -         | P         | V     |
|                       |                                                                            | 557.68    | 28.92      | -17.08     | 46         | 30.92      | 26.38          | 2.48      | 30.86          | -       | -         | P         | V     |
|                       |                                                                            | 972.84    | 33.57      | -20.43     | 54         | 30.35      | 31.24          | 3.27      | 31.29          | -       | -         | P         | V     |
| Remark                | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |            |            |            |                |           |                |         |           |           |       |



## U-NII-1 - 5150~5250MHz

## WIFI 802.11ax HE20 Full (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 ) |
| 802.11ax<br>HE20 Full<br>CH 36<br>5180MHz |      | 5014.04   | 53.22      | -20.78 | 74         | 39.82    | 33.8     | 12.11  | 32.51  | 228    | 355     | P       | H       |
|                                           |      | 5150      | 43.72      | -10.28 | 54         | 30.1     | 34       | 12.15  | 32.53  | 228    | 355     | A       | H       |
|                                           |      | 5180      | 110.33     | -      | -          | 96.58    | 34.13    | 12.16  | 32.54  | 228    | 355     | P       | H       |
|                                           |      | 5180      | 103.69     | -      | -          | 89.94    | 34.13    | 12.16  | 32.54  | 228    | 355     | A       | H       |
|                                           |      | 5107.9    | 52.19      | -21.81 | 74         | 38.64    | 33.93    | 12.14  | 32.52  | 235    | 223     | P       | V       |
|                                           |      | 5149.76   | 43.31      | -10.69 | 54         | 29.69    | 34       | 12.15  | 32.53  | 235    | 223     | A       | V       |
|                                           |      | 5180      | 105.38     | -      | -          | 91.63    | 34.13    | 12.16  | 32.54  | 235    | 223     | P       | V       |
|                                           |      | 5180      | 99.35      | -      | -          | 85.6     | 34.13    | 12.16  | 32.54  | 235    | 223     | A       | V       |
| 802.11ax<br>HE20 Full<br>CH 44<br>5220MHz |      | 5060.58   | 52.77      | -21.23 | 74         | 39.32    | 33.83    | 12.13  | 32.51  | 226    | 356     | P       | H       |
|                                           |      | 5104.26   | 43.61      | -10.39 | 54         | 30.09    | 33.9     | 12.14  | 32.52  | 226    | 356     | A       | H       |
|                                           |      | 5220      | 111.18     | -      | -          | 97.33    | 34.23    | 12.17  | 32.55  | 226    | 356     | P       | H       |
|                                           |      | 5220      | 103.92     | -      | -          | 90.07    | 34.23    | 12.17  | 32.55  | 226    | 356     | A       | H       |
|                                           |      | 5361.6    | 54.04      | -19.96 | 74         | 40       | 34.4     | 12.21  | 32.57  | 226    | 356     | P       | H       |
|                                           |      | 5375.04   | 43.04      | -10.96 | 54         | 29       | 34.4     | 12.22  | 32.58  | 226    | 356     | A       | H       |
|                                           |      | 5145.6    | 52.79      | -21.21 | 74         | 39.17    | 34       | 12.15  | 32.53  | 234    | 360     | P       | V       |
|                                           |      | 5105.04   | 43.51      | -10.49 | 54         | 29.99    | 33.9     | 12.14  | 32.52  | 234    | 360     | A       | V       |
|                                           |      | 5220      | 107.19     | -      | -          | 93.34    | 34.23    | 12.17  | 32.55  | 234    | 360     | P       | V       |
|                                           |      | 5220      | 100.31     | -      | -          | 86.46    | 34.23    | 12.17  | 32.55  | 234    | 360     | A       | V       |
|                                           |      | 5412.72   | 51.7       | -22.3  | 74         | 37.65    | 34.4     | 12.23  | 32.58  | 234    | 360     | P       | V       |
|                                           |      | 5459.04   | 42.33      | -11.67 | 54         | 28.28    | 34.4     | 12.24  | 32.59  | 234    | 360     | A       | V       |



|                                                                       |                                                                                             |         |        |        |    |       |       |       |       |     |     |   |   |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE20 Full</b><br><b>CH 48</b><br><b>5240MHz</b> |                                                                                             | 5050.44 | 52.55  | -21.45 | 74 | 39.14 | 33.8  | 12.12 | 32.51 | 200 | 342 | P | H |
|                                                                       |                                                                                             | 5099.32 | 43.62  | -10.38 | 54 | 30.1  | 33.9  | 12.14 | 32.52 | 200 | 342 | A | H |
|                                                                       |                                                                                             | 5240    | 109.63 | -      | -  | 95.73 | 34.27 | 12.18 | 32.55 | 200 | 342 | P | H |
|                                                                       |                                                                                             | 5240    | 102.24 | -      | -  | 88.34 | 34.27 | 12.18 | 32.55 | 200 | 342 | A | H |
|                                                                       |                                                                                             | 5355.12 | 51.93  | -22.07 | 74 | 37.89 | 34.4  | 12.21 | 32.57 | 200 | 342 | P | H |
|                                                                       |                                                                                             | 5399.76 | 42.77  | -11.23 | 54 | 28.73 | 34.4  | 12.22 | 32.58 | 200 | 342 | A | H |
|                                                                       |                                                                                             | 5004.16 | 53.14  | -20.86 | 74 | 39.73 | 33.8  | 12.11 | 32.5  | 201 | 360 | P | V |
|                                                                       |                                                                                             | 5099.58 | 43.44  | -10.56 | 54 | 29.92 | 33.9  | 12.14 | 32.52 | 201 | 360 | A | V |
|                                                                       |                                                                                             | 5240    | 107    | -      | -  | 93.1  | 34.27 | 12.18 | 32.55 | 201 | 360 | P | V |
|                                                                       |                                                                                             | 5240    | 100.04 | -      | -  | 86.14 | 34.27 | 12.18 | 32.55 | 201 | 360 | A | V |
|                                                                       |                                                                                             | 5374.08 | 52.46  | -21.54 | 74 | 38.42 | 34.4  | 12.21 | 32.57 | 201 | 360 | P | V |
|                                                                       |                                                                                             | 5435.76 | 42.44  | -11.56 | 54 | 28.4  | 34.4  | 12.23 | 32.59 | 201 | 360 | A | V |
| Remark                                                                | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |         |        |        |    |       |       |       |       |     |     |   |   |



## U-NII-1 5150~5250MHz

## WIFI 802.11ax HE20 Full (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 ) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax            |                                                                                             | 10360                | 48.15               | -20.15                  | 68.3                        | 46.5                      | 37.39                         | 15.31                  | 51.05                      | -                    | -                       | P                       | H               |
| HE20 Full           |                                                                                             | 15540                | 47.09               | -26.91                  | 74                          | 41.91                     | 40.08                         | 17.76                  | 52.66                      | -                    | -                       | P                       | H               |
| CH 36               |                                                                                             | 10360                | 49.32               | -18.98                  | 68.3                        | 47.67                     | 37.39                         | 15.31                  | 51.05                      | -                    | -                       | P                       | V               |
| 5180MHz             |                                                                                             | 15540                | 47.59               | -26.41                  | 74                          | 42.41                     | 40.08                         | 17.76                  | 52.66                      | -                    | -                       | P                       | V               |
| 802.11ax            |                                                                                             | 10440                | 49.01               | -19.29                  | 68.3                        | 47.31                     | 37.45                         | 15.32                  | 51.07                      | -                    | -                       | P                       | H               |
| HE20 Full           |                                                                                             | 15660                | 46.41               | -27.59                  | 74                          | 41.27                     | 40.19                         | 17.83                  | 52.88                      | -                    | -                       | P                       | H               |
| CH 44               |                                                                                             | 10440                | 48.12               | -20.18                  | 68.3                        | 46.42                     | 37.45                         | 15.32                  | 51.07                      | -                    | -                       | P                       | V               |
| 5220MHz             |                                                                                             | 15660                | 47.35               | -26.65                  | 74                          | 42.21                     | 40.19                         | 17.83                  | 52.88                      | -                    | -                       | P                       | V               |
| 802.11ax            |                                                                                             | 10480                | 49.31               | -18.99                  | 68.3                        | 47.59                     | 37.49                         | 15.32                  | 51.09                      | -                    | -                       | P                       | H               |
| HE20 Full           |                                                                                             | 15720                | 47.62               | -26.38                  | 74                          | 42.5                      | 40.25                         | 17.87                  | 53                         | -                    | -                       | P                       | H               |
| CH 48               |                                                                                             | 10480                | 48.09               | -20.21                  | 68.3                        | 46.37                     | 37.49                         | 15.32                  | 51.09                      | -                    | -                       | P                       | V               |
| 5240MHz             |                                                                                             | 15720                | 47.83               | -26.17                  | 74                          | 42.71                     | 40.25                         | 17.87                  | 53                         | -                    | -                       | P                       | V               |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-1 5150~5250MHz

## WIFI 802.11ax HE40 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE40 Full<br>CH 38<br>5190MHz |                                                                                             | 5023.66              | 54.57               | -19.43                  | 74                          | 41.16                     | 33.8                          | 12.12                  | 32.51                      | 217                  | 342                     | P                       | H               |
|                                           |                                                                                             | 5144.3               | 45.06               | -8.94                   | 54                          | 31.44                     | 34                            | 12.15                  | 32.53                      | 217                  | 342                     | A                       | H               |
|                                           |                                                                                             | 5190                 | 107.1               | -                       | -                           | 93.35                     | 34.13                         | 12.16                  | 32.54                      | 217                  | 342                     | P                       | H               |
|                                           |                                                                                             | 5190                 | 100.13              | -                       | -                           | 86.38                     | 34.13                         | 12.16                  | 32.54                      | 217                  | 342                     | A                       | H               |
|                                           |                                                                                             | 5418                 | 51.83               | -22.17                  | 74                          | 37.78                     | 34.4                          | 12.23                  | 32.58                      | 217                  | 342                     | P                       | H               |
|                                           |                                                                                             | 5354.72              | 42.87               | -11.13                  | 54                          | 28.83                     | 34.4                          | 12.21                  | 32.57                      | 217                  | 342                     | A                       | H               |
|                                           |                                                                                             | 5062.14              | 53.35               | -20.65                  | 74                          | 39.9                      | 33.83                         | 12.13                  | 32.51                      | 216                  | 344                     | P                       | V               |
|                                           |                                                                                             | 5150                 | 45.09               | -8.91                   | 54                          | 31.47                     | 34                            | 12.15                  | 32.53                      | 216                  | 344                     | A                       | V               |
|                                           |                                                                                             | 5190                 | 103.04              | -                       | -                           | 89.29                     | 34.13                         | 12.16                  | 32.54                      | 216                  | 344                     | P                       | V               |
|                                           |                                                                                             | 5190                 | 96.39               | -                       | -                           | 82.64                     | 34.13                         | 12.16                  | 32.54                      | 216                  | 344                     | A                       | V               |
|                                           |                                                                                             | 5375.16              | 51.55               | -22.45                  | 74                          | 37.51                     | 34.4                          | 12.22                  | 32.58                      | 216                  | 344                     | P                       | V               |
|                                           |                                                                                             | 5353.88              | 42.31               | -11.69                  | 54                          | 28.27                     | 34.4                          | 12.21                  | 32.57                      | 216                  | 344                     | A                       | V               |
| 802.11ax<br>HE40 Full<br>CH 46<br>5230MHz |                                                                                             | 5130.78              | 53.17               | -20.83                  | 74                          | 39.58                     | 33.97                         | 12.15                  | 32.53                      | 229                  | 355                     | P                       | H               |
|                                           |                                                                                             | 5102.44              | 43.85               | -10.15                  | 54                          | 30.33                     | 33.9                          | 12.14                  | 32.52                      | 229                  | 355                     | A                       | H               |
|                                           |                                                                                             | 5230                 | 109.77              | -                       | -                           | 95.88                     | 34.27                         | 12.17                  | 32.55                      | 229                  | 355                     | P                       | H               |
|                                           |                                                                                             | 5230                 | 102.64              | -                       | -                           | 88.75                     | 34.27                         | 12.17                  | 32.55                      | 229                  | 355                     | A                       | H               |
|                                           |                                                                                             | 5443.92              | 52.41               | -21.59                  | 74                          | 38.37                     | 34.4                          | 12.23                  | 32.59                      | 229                  | 355                     | P                       | H               |
|                                           |                                                                                             | 5388.96              | 43.16               | -10.84                  | 54                          | 29.12                     | 34.4                          | 12.22                  | 32.58                      | 229                  | 355                     | A                       | H               |
|                                           |                                                                                             | 5043.16              | 53.11               | -20.89                  | 74                          | 39.7                      | 33.8                          | 12.12                  | 32.51                      | 229                  | 343                     | P                       | V               |
|                                           |                                                                                             | 5103.22              | 43.74               | -10.26                  | 54                          | 30.22                     | 33.9                          | 12.14                  | 32.52                      | 229                  | 343                     | A                       | V               |
|                                           |                                                                                             | 5230                 | 104.91              | -                       | -                           | 91.02                     | 34.27                         | 12.17                  | 32.55                      | 229                  | 343                     | P                       | V               |
|                                           |                                                                                             | 5230                 | 100.12              | -                       | -                           | 86.23                     | 34.27                         | 12.17                  | 32.55                      | 229                  | 343                     | A                       | V               |
|                                           |                                                                                             | 5426.4               | 51.33               | -22.67                  | 74                          | 37.28                     | 34.4                          | 12.23                  | 32.58                      | 229                  | 343                     | P                       | V               |
|                                           |                                                                                             | 5458.08              | 42.49               | -11.51                  | 54                          | 28.44                     | 34.4                          | 12.24                  | 32.59                      | 229                  | 343                     | A                       | V               |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-1 5150~5250MHz

## WIFI 802.11ax HE40 Full (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 ) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax            |                                                                                             | 10380                | 49.52               | -18.78                  | 68.3                        | 47.84                     | 37.41                         | 15.32                  | 51.05                      | -                    | -                       | P                       | H               |
| HE40 Full           |                                                                                             | 15570                | 47.86               | -26.14                  | 74                          | 42.69                     | 40.11                         | 17.78                  | 52.72                      | -                    | -                       | P                       | H               |
| CH 38               |                                                                                             | 10380                | 50.08               | -18.22                  | 68.3                        | 48.4                      | 37.41                         | 15.32                  | 51.05                      | -                    | -                       | P                       | V               |
| 5190MHz             |                                                                                             | 15570                | 47.94               | -26.06                  | 74                          | 42.77                     | 40.11                         | 17.78                  | 52.72                      | -                    | -                       | P                       | V               |
| 802.11ax            |                                                                                             | 10460                | 48.39               | -19.91                  | 68.3                        | 46.69                     | 37.46                         | 15.32                  | 51.08                      | -                    | -                       | P                       | H               |
| HE40 Full           |                                                                                             | 15690                | 47.47               | -26.53                  | 74                          | 42.34                     | 40.22                         | 17.85                  | 52.94                      | -                    | -                       | P                       | H               |
| CH 46               |                                                                                             | 10460                | 48.27               | -20.03                  | 68.3                        | 46.57                     | 37.46                         | 15.32                  | 51.08                      | -                    | -                       | P                       | V               |
| 5230MHz             |                                                                                             | 15690                | 47.08               | -26.92                  | 74                          | 41.95                     | 40.22                         | 17.85                  | 52.94                      | -                    | -                       | P                       | V               |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-1 5150~5250MHz

## WIFI 802.11ax HE80 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80 Full<br>CH 42<br>5210MHz |                                                                                             | 5094.9               | 52.55               | -21.45                  | 74                          | 39.03                   | 33.9                          | 12.14                  | 32.52                      | 254                  | 352                     | P                     | H             |
|                                           |                                                                                             | 5150                 | 43.82               | -10.18                  | 54                          | 30.2                    | 34                            | 12.15                  | 32.53                      | 254                  | 352                     | A                     | H             |
|                                           |                                                                                             | 5210                 | 107.09              | -                       | -                           | 93.23                   | 34.23                         | 12.17                  | 32.54                      | 254                  | 352                     | P                     | H             |
|                                           |                                                                                             | 5210                 | 100.31              | -                       | -                           | 86.45                   | 34.23                         | 12.17                  | 32.54                      | 254                  | 352                     | A                     | H             |
|                                           |                                                                                             | 5393.04              | 51.27               | -22.73                  | 74                          | 37.23                   | 34.4                          | 12.22                  | 32.58                      | 254                  | 352                     | P                     | H             |
|                                           |                                                                                             | 5359.44              | 43.1                | -10.9                   | 54                          | 29.06                   | 34.4                          | 12.21                  | 32.57                      | 254                  | 352                     | A                     | H             |
|                                           |                                                                                             | 5099.84              | 53.85               | -20.15                  | 74                          | 40.33                   | 33.9                          | 12.14                  | 32.52                      | 231                  | 342                     | P                     | V             |
|                                           |                                                                                             | 5116.48              | 43.62               | -10.38                  | 54                          | 30.08                   | 33.93                         | 12.14                  | 32.53                      | 231                  | 342                     | A                     | V             |
|                                           |                                                                                             | 5210                 | 104.67              | -                       | -                           | 90.81                   | 34.23                         | 12.17                  | 32.54                      | 231                  | 342                     | P                     | V             |
|                                           |                                                                                             | 5210                 | 97.52               | -                       | -                           | 83.66                   | 34.23                         | 12.17                  | 32.54                      | 231                  | 342                     | A                     | V             |
|                                           |                                                                                             | 5415.36              | 51.48               | -22.52                  | 74                          | 37.43                   | 34.4                          | 12.23                  | 32.58                      | 231                  | 342                     | P                     | V             |
|                                           |                                                                                             | 5352.48              | 42.46               | -11.54                  | 54                          | 28.42                   | 34.4                          | 12.21                  | 32.57                      | 231                  | 342                     | A                     | V             |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

**U-NII-1 5150~5250MHz****WIFI 802.11ax HE80 Full (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) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax            |                                                                                             | 10420                | 48.83               | -19.47                  | 68.3                        | 47.15                   | 37.43                         | 15.32                  | 51.07                      | -                    | -                       | P                     | H             |
| HE80 Full           |                                                                                             | 15630                | 47.03               | -26.97                  | 74                          | 41.89                   | 40.17                         | 17.82                  | 52.85                      | -                    | -                       | P                     | H             |
| CH 42               |                                                                                             | 10420                | 48.64               | -19.66                  | 68.3                        | 46.96                   | 37.43                         | 15.32                  | 51.07                      | -                    | -                       | P                     | V             |
| 5210MHz             |                                                                                             | 15630                | 47.81               | -26.19                  | 74                          | 42.67                   | 40.17                         | 17.82                  | 52.85                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-1 5150~5250MHz

## WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                        | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE160 Full<br>CH 50<br>5250MHz |                                                                                             | 5110.5               | 55.52               | -18.48                  | 74                          | 41.97                     | 33.93                         | 12.14                  | 32.52                      | 204                  | 360                     | P                       | H               |
|                                            |                                                                                             | 5131.04              | 46.09               | -7.91                   | 54                          | 32.5                      | 33.97                         | 12.15                  | 32.53                      | 204                  | 360                     | A                       | H               |
|                                            |                                                                                             | 5250                 | 99.47               | -                       | -                           | 85.54                     | 34.3                          | 12.18                  | 32.55                      | 204                  | 360                     | P                       | H               |
|                                            |                                                                                             | 5250                 | 92.28               | -                       | -                           | 78.35                     | 34.3                          | 12.18                  | 32.55                      | 204                  | 360                     | A                       | H               |
|                                            |                                                                                             | 5397.12              | 56.62               | -17.38                  | 74                          | 42.58                     | 34.4                          | 12.22                  | 32.58                      | 204                  | 360                     | P                       | H               |
|                                            |                                                                                             | 5377.2               | 47.71               | -6.29                   | 54                          | 33.67                     | 34.4                          | 12.22                  | 32.58                      | 204                  | 360                     | A                       | H               |
|                                            |                                                                                             | 5076.44              | 55.39               | -18.61                  | 74                          | 41.91                     | 33.87                         | 12.13                  | 32.52                      | 213                  | 360                     | P                       | V               |
|                                            |                                                                                             | 5104.78              | 45.03               | -8.97                   | 54                          | 31.51                     | 33.9                          | 12.14                  | 32.52                      | 213                  | 360                     | A                       | V               |
|                                            |                                                                                             | 5250                 | 96.47               | -                       | -                           | 82.54                     | 34.3                          | 12.18                  | 32.55                      | 213                  | 360                     | P                       | V               |
|                                            |                                                                                             | 5250                 | 89.11               | -                       | -                           | 75.18                     | 34.3                          | 12.18                  | 32.55                      | 213                  | 360                     | A                       | V               |
|                                            |                                                                                             | 5379.36              | 54.04               | -19.96                  | 74                          | 40                        | 34.4                          | 12.22                  | 32.58                      | 213                  | 360                     | P                       | V               |
|                                            |                                                                                             | 5351.28              | 44.93               | -9.07                   | 54                          | 30.89                     | 34.4                          | 12.21                  | 32.57                      | 213                  | 360                     | A                       | V               |
| Remark                                     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**U-NII-1 5150~5250MHz****WIFI 802.11ax HE160 Full (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) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax            |                                                                                             | 10500                | 47.71               | -20.59                  | 68.3                        | 45.99                   | 37.5                          | 15.32                  | 51.1                       | -                    | -                       | P                     | H             |
| HE160 Full          |                                                                                             | 15750                | 47.61               | -26.39                  | 74                          | 42.51                   | 40.28                         | 17.89                  | 53.07                      | -                    | -                       | P                     | H             |
| CH 50               |                                                                                             | 10500                | 47.62               | -20.68                  | 68.3                        | 45.9                    | 37.5                          | 15.32                  | 51.1                       | -                    | -                       | P                     | V             |
| 5250MHz             |                                                                                             | 15750                | 47.7                | -26.3                   | 74                          | 42.6                    | 40.28                         | 17.89                  | 53.07                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2A - 5250~5350MHz

## WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                       | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20 Full<br>CH 52<br>5260MHz |      | 5042.64              | 53.54               | -20.46                  | 74                          | 40.13                   | 33.8                          | 12.12                  | 32.51                      | 173                  | 343                     | P                     | H             |
|                                           |      | 5105.04              | 43.82               | -10.18                  | 54                          | 30.3                    | 33.9                          | 12.14                  | 32.52                      | 173                  | 343                     | A                     | H             |
|                                           |      | 5260                 | 109.74              | -                       | -                           | 95.78                   | 34.33                         | 12.18                  | 32.55                      | 173                  | 343                     | P                     | H             |
|                                           |      | 5260                 | 102.72              | -                       | -                           | 88.76                   | 34.33                         | 12.18                  | 32.55                      | 173                  | 343                     | A                     | H             |
|                                           |      | 5446.56              | 53.55               | -20.45                  | 74                          | 39.5                    | 34.4                          | 12.24                  | 32.59                      | 173                  | 343                     | P                     | H             |
|                                           |      | 5439.12              | 43.11               | -10.89                  | 54                          | 29.07                   | 34.4                          | 12.23                  | 32.59                      | 173                  | 343                     | A                     | H             |
|                                           |      | 5099.32              | 53.21               | -20.79                  | 74                          | 39.69                   | 33.9                          | 12.14                  | 32.52                      | 229                  | 357                     | P                     | V             |
|                                           |      | 5100.36              | 43.67               | -10.33                  | 54                          | 30.15                   | 33.9                          | 12.14                  | 32.52                      | 229                  | 357                     | A                     | V             |
|                                           |      | 5260                 | 107.04              | -                       | -                           | 93.08                   | 34.33                         | 12.18                  | 32.55                      | 229                  | 357                     | P                     | V             |
|                                           |      | 5260                 | 100.17              | -                       | -                           | 86.21                   | 34.33                         | 12.18                  | 32.55                      | 229                  | 357                     | A                     | V             |
|                                           |      | 5413.92              | 52                  | -22                     | 74                          | 37.95                   | 34.4                          | 12.23                  | 32.58                      | 229                  | 357                     | P                     | V             |
|                                           |      | 5459.52              | 42.45               | -11.55                  | 54                          | 28.4                    | 34.4                          | 12.24                  | 32.59                      | 229                  | 357                     | A                     | V             |
| 802.11ax<br>HE20 Full<br>CH 60<br>5300MHz |      | 5149.45              | 52.76               | -21.24                  | 74                          | 39.14                   | 34                            | 12.15                  | 32.53                      | 224                  | 357                     | P                     | H             |
|                                           |      | 5121.8               | 43.97               | -10.03                  | 54                          | 30.43                   | 33.93                         | 12.14                  | 32.53                      | 224                  | 357                     | A                     | H             |
|                                           |      | 5300                 | 110.41              | -                       | -                           | 96.38                   | 34.4                          | 12.19                  | 32.56                      | 224                  | 357                     | P                     | H             |
|                                           |      | 5300                 | 103.08              | -                       | -                           | 89.05                   | 34.4                          | 12.19                  | 32.56                      | 224                  | 357                     | A                     | H             |
|                                           |      | 5426.4               | 52.55               | -21.45                  | 74                          | 38.5                    | 34.4                          | 12.23                  | 32.58                      | 224                  | 357                     | P                     | H             |
|                                           |      | 5457.12              | 43.38               | -10.62                  | 54                          | 29.33                   | 34.4                          | 12.24                  | 32.59                      | 224                  | 357                     | A                     | H             |
|                                           |      | 5017.85              | 53                  | -21                     | 74                          | 39.6                    | 33.8                          | 12.11                  | 32.51                      | 211                  | 360                     | P                     | V             |
|                                           |      | 5126.35              | 43.59               | -10.41                  | 54                          | 30                      | 33.97                         | 12.15                  | 32.53                      | 211                  | 360                     | A                     | V             |
|                                           |      | 5300                 | 107.54              | -                       | -                           | 93.51                   | 34.4                          | 12.19                  | 32.56                      | 211                  | 360                     | P                     | V             |
|                                           |      | 5300                 | 100.15              | -                       | -                           | 86.12                   | 34.4                          | 12.19                  | 32.56                      | 211                  | 360                     | A                     | V             |
|                                           |      | 5365.68              | 51.37               | -22.63                  | 74                          | 37.33                   | 34.4                          | 12.21                  | 32.57                      | 211                  | 360                     | P                     | V             |
|                                           |      | 5459.52              | 42.62               | -11.38                  | 54                          | 28.57                   | 34.4                          | 12.24                  | 32.59                      | 211                  | 360                     | A                     | V             |



|                                                                       |                                                                                                                                                  |         |        |        |    |       |      |       |       |     |     |   |   |
|-----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|--------|----|-------|------|-------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE20 Full</b><br><b>CH 64</b><br><b>5320MHz</b> |                                                                                                                                                  | 5320    | 111.81 | -      | -  | 97.77 | 34.4 | 12.2  | 32.56 | 220 | 353 | P | H |
|                                                                       |                                                                                                                                                  | 5320    | 104.37 | -      | -  | 90.33 | 34.4 | 12.2  | 32.56 | 220 | 353 | A | H |
|                                                                       |                                                                                                                                                  | 5350.08 | 54.4   | -19.6  | 74 | 40.36 | 34.4 | 12.21 | 32.57 | 220 | 353 | P | H |
|                                                                       |                                                                                                                                                  | 5350.08 | 43.45  | -10.55 | 54 | 29.41 | 34.4 | 12.21 | 32.57 | 220 | 353 | A | H |
|                                                                       |                                                                                                                                                  | 5320    | 106.85 | -      | -  | 92.81 | 34.4 | 12.2  | 32.56 | 201 | 360 | P | V |
|                                                                       |                                                                                                                                                  | 5320    | 100.16 | -      | -  | 86.12 | 34.4 | 12.2  | 32.56 | 201 | 360 | A | V |
|                                                                       |                                                                                                                                                  | 5360.48 | 51.8   | -22.2  | 74 | 37.76 | 34.4 | 12.21 | 32.57 | 201 | 360 | P | V |
|                                                                       |                                                                                                                                                  | 5456.16 | 42.55  | -11.45 | 54 | 28.5  | 34.4 | 12.24 | 32.59 | 201 | 360 | A | V |
| <b>Remark</b>                                                         | <ol style="list-style-type: none"><li>1. No other spurious found.</li><li>2. All results are PASS against Peak and Average limit line.</li></ol> |         |        |        |    |       |      |       |       |     |     |   |   |



## U-NII-2A 5250~5350MHz

## WIFI 802.11ax HE20 Full (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 ) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax            |                                                                                             | 10520                | 49                  | -19.3                   | 68.3                        | 47.23                     | 37.51                         | 15.37                  | 51.11                      | -                    | -                       | P                       | H               |
| HE20 Full           |                                                                                             | 15780                | 47.65               | -26.35                  | 74                          | 42.55                     | 40.3                          | 17.9                   | 53.1                       | -                    | -                       | P                       | H               |
| CH 52               |                                                                                             | 10520                | 49.7                | -18.6                   | 68.3                        | 47.93                     | 37.51                         | 15.37                  | 51.11                      | -                    | -                       | P                       | V               |
| 5260MHz             |                                                                                             | 15780                | 47.42               | -26.58                  | 74                          | 42.32                     | 40.3                          | 17.9                   | 53.1                       | -                    | -                       | P                       | V               |
| 802.11ax            |                                                                                             | 10600                | 47.86               | -26.14                  | 74                          | 45.91                     | 37.56                         | 15.55                  | 51.16                      | -                    | -                       | P                       | H               |
| HE20 Full           |                                                                                             | 15900                | 46.51               | -27.49                  | 74                          | 41.44                     | 40.41                         | 17.97                  | 53.31                      | -                    | -                       | P                       | H               |
| CH 60               |                                                                                             | 10600                | 46.96               | -27.04                  | 74                          | 45.01                     | 37.56                         | 15.55                  | 51.16                      | -                    | -                       | P                       | V               |
| 5300MHz             |                                                                                             | 15900                | 47.87               | -26.13                  | 74                          | 42.8                      | 40.41                         | 17.97                  | 53.31                      | -                    | -                       | P                       | V               |
| 802.11ax            |                                                                                             | 10640                | 46.92               | -27.08                  | 74                          | 44.87                     | 37.58                         | 15.65                  | 51.18                      | -                    | -                       | P                       | H               |
| HE20 Full           |                                                                                             | 15960                | 47.69               | -26.31                  | 74                          | 42.65                     | 40.47                         | 18.01                  | 53.44                      | -                    | -                       | P                       | H               |
| CH 64               |                                                                                             | 10640                | 47.68               | -26.32                  | 74                          | 45.63                     | 37.58                         | 15.65                  | 51.18                      | -                    | -                       | P                       | V               |
| 5320MHz             |                                                                                             | 15960                | 47.7                | -26.3                   | 74                          | 42.66                     | 40.47                         | 18.01                  | 53.44                      | -                    | -                       | P                       | V               |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-2A 5250~5350MHz

## WIFI 802.11ax HE40 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE40 Full<br>CH 54<br>5270MHz |                                                                                             | 5107.1               | 53.33               | -20.67                  | 74                          | 39.78                     | 33.93                         | 12.14                  | 32.52                      | 217                  | 354                     | P                       | H               |
|                                           |                                                                                             | 5128.1               | 43.97               | -10.03                  | 54                          | 30.38                     | 33.97                         | 12.15                  | 32.53                      | 217                  | 354                     | A                       | H               |
|                                           |                                                                                             | 5270                 | 108.21              | -                       | -                           | 94.24                     | 34.33                         | 12.19                  | 32.55                      | 217                  | 354                     | P                       | H               |
|                                           |                                                                                             | 5270                 | 100.3               | -                       | -                           | 86.33                     | 34.33                         | 12.19                  | 32.55                      | 217                  | 354                     | A                       | H               |
|                                           |                                                                                             | 5422.56              | 53.71               | -20.29                  | 74                          | 39.66                     | 34.4                          | 12.23                  | 32.58                      | 217                  | 354                     | P                       | H               |
|                                           |                                                                                             | 5432.16              | 43.34               | -10.66                  | 54                          | 29.3                      | 34.4                          | 12.23                  | 32.59                      | 217                  | 354                     | A                       | H               |
|                                           |                                                                                             | 5083.3               | 52.44               | -21.56                  | 74                          | 38.96                     | 33.87                         | 12.13                  | 32.52                      | 226                  | 360                     | P                       | V               |
|                                           |                                                                                             | 5110.95              | 43.82               | -10.18                  | 54                          | 30.27                     | 33.93                         | 12.14                  | 32.52                      | 226                  | 360                     | A                       | V               |
|                                           |                                                                                             | 5270                 | 104.47              | -                       | -                           | 90.5                      | 34.33                         | 12.19                  | 32.55                      | 226                  | 360                     | P                       | V               |
|                                           |                                                                                             | 5270                 | 97.17               | -                       | -                           | 83.2                      | 34.33                         | 12.19                  | 32.55                      | 226                  | 360                     | A                       | V               |
|                                           |                                                                                             | 5353.68              | 51.9                | -22.1                   | 74                          | 37.86                     | 34.4                          | 12.21                  | 32.57                      | 226                  | 360                     | P                       | V               |
| 802.11ax<br>HE40 Full<br>CH 62<br>5310MHz |                                                                                             | 5141.05              | 54.15               | -19.85                  | 74                          | 40.53                     | 34                            | 12.15                  | 32.53                      | 226                  | 356                     | P                       | H               |
|                                           |                                                                                             | 5149.8               | 44.03               | -9.97                   | 54                          | 30.41                     | 34                            | 12.15                  | 32.53                      | 226                  | 356                     | A                       | H               |
|                                           |                                                                                             | 5310                 | 106.85              | -                       | -                           | 92.81                     | 34.4                          | 12.2                   | 32.56                      | 226                  | 356                     | P                       | H               |
|                                           |                                                                                             | 5310                 | 99.66               | -                       | -                           | 85.62                     | 34.4                          | 12.2                   | 32.56                      | 226                  | 356                     | A                       | H               |
|                                           |                                                                                             | 5351.76              | 55.76               | -18.24                  | 74                          | 41.72                     | 34.4                          | 12.21                  | 32.57                      | 226                  | 356                     | P                       | H               |
|                                           |                                                                                             | 5350.08              | 47.93               | -6.07                   | 54                          | 33.89                     | 34.4                          | 12.21                  | 32.57                      | 226                  | 356                     | A                       | H               |
|                                           |                                                                                             | 5083.65              | 53.45               | -20.55                  | 74                          | 39.97                     | 33.87                         | 12.13                  | 32.52                      | 232                  | 360                     | P                       | V               |
|                                           |                                                                                             | 5149.8               | 43.8                | -10.2                   | 54                          | 30.18                     | 34                            | 12.15                  | 32.53                      | 232                  | 360                     | A                       | V               |
|                                           |                                                                                             | 5310                 | 102.66              | -                       | -                           | 88.62                     | 34.4                          | 12.2                   | 32.56                      | 232                  | 360                     | P                       | V               |
|                                           |                                                                                             | 5310                 | 95.72               | -                       | -                           | 81.68                     | 34.4                          | 12.2                   | 32.56                      | 232                  | 360                     | A                       | V               |
|                                           |                                                                                             | 5350.08              | 52.29               | -21.71                  | 74                          | 38.25                     | 34.4                          | 12.21                  | 32.57                      | 232                  | 360                     | P                       | V               |
|                                           |                                                                                             | 5350.56              | 44.61               | -9.39                   | 54                          | 30.57                     | 34.4                          | 12.21                  | 32.57                      | 232                  | 360                     | A                       | V               |
| Remark                                    | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-2A 5250~5350MHz

## WIFI 802.11ax HE40 Full (Harmonic @ 3m)

| WIFI Ant. 1+2 | Note                                                                                        | Frequency ( MHz ) | Level ( dBμV/m ) | Over Limit ( dB ) | Limit Line ( dBμV/m ) | Read Level (dBμV) | Antenna Factor ( dB/m ) | Path Loss ( dB ) | Preamp Factor ( dB ) | Ant Pos ( cm ) | Table Pos ( deg ) | Peak Avg. (P/A) | Pol. (H/V) |
|---------------|---------------------------------------------------------------------------------------------|-------------------|------------------|-------------------|-----------------------|-------------------|-------------------------|------------------|----------------------|----------------|-------------------|-----------------|------------|
| 802.11ax      |                                                                                             | 10540             | 49.1             | -19.2             | 68.3                  | 47.29             | 37.52                   | 15.41            | 51.12                | -              | -                 | P               | H          |
| HE40 Full     |                                                                                             | 15810             | 47.24            | -26.76            | 74                    | 42.15             | 40.33                   | 17.92            | 53.16                | -              | -                 | P               | H          |
| CH 54         |                                                                                             | 10540             | 48.91            | -19.39            | 68.3                  | 47.1              | 37.52                   | 15.41            | 51.12                | -              | -                 | P               | V          |
| 5270MHz       |                                                                                             | 15810             | 47.07            | -26.93            | 74                    | 41.98             | 40.33                   | 17.92            | 53.16                | -              | -                 | P               | V          |
| 802.11ax      |                                                                                             | 10620             | 46.78            | -27.22            | 74                    | 44.78             | 37.57                   | 15.6             | 51.17                | -              | -                 | P               | H          |
| HE40 Full     |                                                                                             | 15930             | 47.97            | -26.03            | 74                    | 42.92             | 40.44                   | 17.99            | 53.38                | -              | -                 | P               | H          |
| CH 62         |                                                                                             | 10620             | 47.09            | -26.91            | 74                    | 45.09             | 37.57                   | 15.6             | 51.17                | -              | -                 | P               | V          |
| 5310MHz       |                                                                                             | 15930             | 47.2             | -26.8             | 74                    | 42.15             | 40.44                   | 17.99            | 53.38                | -              | -                 | P               | V          |
| Remark        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                   |                  |                   |                       |                   |                         |                  |                      |                |                   |                 |            |



**U-NII-2A 5250~5350MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11ax<br/>HE80 Full<br/>CH 58<br/>5290MHz</b> |                                                                                             | 5131.25              | 52.88               | -21.12                  | 74                          | 39.29                     | 33.97                         | 12.15                  | 32.53                      | 231                  | 354                     | P                       | H               |
|                                                     |                                                                                             | 5149.45              | 43.83               | -10.17                  | 54                          | 30.21                     | 34                            | 12.15                  | 32.53                      | 231                  | 354                     | A                       | H               |
|                                                     |                                                                                             | 5290                 | 103.48              | -                       | -                           | 89.48                     | 34.37                         | 12.19                  | 32.56                      | 231                  | 354                     | P                       | H               |
|                                                     |                                                                                             | 5290                 | 96.71               | -                       | -                           | 82.71                     | 34.37                         | 12.19                  | 32.56                      | 231                  | 354                     | A                       | H               |
|                                                     |                                                                                             | 5355.6               | 55.29               | -18.71                  | 74                          | 41.25                     | 34.4                          | 12.21                  | 32.57                      | 231                  | 354                     | P                       | H               |
|                                                     |                                                                                             | 5355.84              | 47.1                | -6.9                    | 54                          | 33.06                     | 34.4                          | 12.21                  | 32.57                      | 231                  | 354                     | A                       | H               |
|                                                     |                                                                                             | 5136.5               | 52.61               | -21.39                  | 74                          | 39.02                     | 33.97                         | 12.15                  | 32.53                      | 197                  | 347                     | P                       | V               |
|                                                     |                                                                                             | 5127.05              | 43.7                | -10.3                   | 54                          | 30.11                     | 33.97                         | 12.15                  | 32.53                      | 197                  | 347                     | A                       | V               |
|                                                     |                                                                                             | 5290                 | 99.41               | -                       | -                           | 85.41                     | 34.37                         | 12.19                  | 32.56                      | 197                  | 347                     | P                       | V               |
|                                                     |                                                                                             | 5290                 | 93.26               | -                       | -                           | 79.26                     | 34.37                         | 12.19                  | 32.56                      | 197                  | 347                     | A                       | V               |
|                                                     |                                                                                             | 5350.56              | 53.12               | -20.88                  | 74                          | 39.08                     | 34.4                          | 12.21                  | 32.57                      | 197                  | 347                     | P                       | V               |
|                                                     |                                                                                             | 5351.28              | 44.59               | -9.41                   | 54                          | 30.55                     | 34.4                          | 12.21                  | 32.57                      | 197                  | 347                     | A                       | V               |
| <b>Remark</b>                                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |

**U-NII-2A 5250~5350MHz****WIFI 802.11ax HE80 Full (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) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax            |                                                                                             | 10580                | 48.11               | -20.19                  | 68.3                        | 46.2                    | 37.55                         | 15.51                  | 51.15                      | -                    | -                       | P                     | H             |
| HE80 Full           |                                                                                             | 15870                | 47.33               | -26.67                  | 74                          | 42.27                   | 40.39                         | 17.95                  | 53.28                      | -                    | -                       | P                     | H             |
| CH 58               |                                                                                             | 10580                | 48.84               | -19.46                  | 68.3                        | 46.93                   | 37.55                         | 15.51                  | 51.15                      | -                    | -                       | P                     | V             |
| 5290MHz             |                                                                                             | 15870                | 47.15               | -26.85                  | 74                          | 42.09                   | 40.39                         | 17.95                  | 53.28                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2C - 5470~5725MHz

## WIFI 802.11ax HE20 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                        | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE20 Full<br>CH 100<br>5500MHz |      | 5350.16              | 52.6                | -21.4                   | 74                          | 38.56                     | 34.4                          | 12.21                  | 32.57                      | 186                  | 360                     | P                       | H               |
|                                            |      | 5461.68              | 52.16               | -16.14                  | 68.3                        | 38.11                     | 34.4                          | 12.24                  | 32.59                      | 186                  | 360                     | P                       | H               |
|                                            |      | 5352.08              | 42.83               | -11.17                  | 54                          | 28.79                     | 34.4                          | 12.21                  | 32.57                      | 186                  | 360                     | A                       | H               |
|                                            |      | 5500                 | 110.13              | -                       | -                           | 96.08                     | 34.4                          | 12.25                  | 32.6                       | 186                  | 360                     | P                       | H               |
|                                            |      | 5500                 | 103.71              | -                       | -                           | 89.66                     | 34.4                          | 12.25                  | 32.6                       | 186                  | 360                     | A                       | H               |
|                                            |      | 5423.6               | 51.7                | -22.3                   | 74                          | 37.65                     | 34.4                          | 12.23                  | 32.58                      | 198                  | 358                     | P                       | V               |
|                                            |      | 5460.72              | 51.34               | -16.96                  | 68.3                        | 37.29                     | 34.4                          | 12.24                  | 32.59                      | 198                  | 358                     | P                       | V               |
|                                            |      | 5459.76              | 42.45               | -11.55                  | 54                          | 28.4                      | 34.4                          | 12.24                  | 32.59                      | 198                  | 358                     | A                       | V               |
|                                            |      | 5500                 | 105.24              | -                       | -                           | 91.19                     | 34.4                          | 12.25                  | 32.6                       | 198                  | 358                     | P                       | V               |
|                                            |      | 5500                 | 98.5                | -                       | -                           | 84.45                     | 34.4                          | 12.25                  | 32.6                       | 198                  | 358                     | A                       | V               |
| 802.11ax<br>HE20 Full<br>CH 116<br>5580MHz |      | 5413.84              | 52.16               | -21.84                  | 74                          | 38.11                     | 34.4                          | 12.23                  | 32.58                      | 187                  | 360                     | P                       | H               |
|                                            |      | 5460.16              | 50.54               | -17.76                  | 68.3                        | 36.49                     | 34.4                          | 12.24                  | 32.59                      | 187                  | 360                     | P                       | H               |
|                                            |      | 5426.08              | 42.98               | -11.02                  | 54                          | 28.93                     | 34.4                          | 12.23                  | 32.58                      | 187                  | 360                     | A                       | H               |
|                                            |      | 5580                 | 110.41              | -                       | -                           | 96.44                     | 34.3                          | 12.27                  | 32.6                       | 187                  | 360                     | P                       | H               |
|                                            |      | 5580                 | 103.34              | -                       | -                           | 89.37                     | 34.3                          | 12.27                  | 32.6                       | 187                  | 360                     | A                       | H               |
|                                            |      | 5760.59              | 52.56               | -15.74                  | 68.3                        | 38.29                     | 34.57                         | 12.3                   | 32.6                       | 187                  | 360                     | P                       | H               |
|                                            |      | 5446.96              | 52.2                | -21.8                   | 74                          | 38.15                     | 34.4                          | 12.24                  | 32.59                      | 192                  | 358                     | P                       | V               |
|                                            |      | 5468.32              | 51.29               | -17.01                  | 68.3                        | 37.24                     | 34.4                          | 12.24                  | 32.59                      | 192                  | 358                     | P                       | V               |
|                                            |      | 5458.48              | 42.41               | -11.59                  | 54                          | 28.36                     | 34.4                          | 12.24                  | 32.59                      | 192                  | 358                     | A                       | V               |
|                                            |      | 5580                 | 103.72              | -                       | -                           | 89.75                     | 34.3                          | 12.27                  | 32.6                       | 192                  | 358                     | P                       | V               |
|                                            |      | 5580                 | 96.33               | -                       | -                           | 82.36                     | 34.3                          | 12.27                  | 32.6                       | 192                  | 358                     | A                       | V               |
|                                            |      | 5755.55              | 51.33               | -16.97                  | 68.3                        | 37.06                     | 34.57                         | 12.3                   | 32.6                       | 192                  | 358                     | P                       | V               |



|                                                                        |                                                                                                                                                  |         |        |        |      |       |      |       |      |     |     |   |   |
|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------|--------|------|-------|------|-------|------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE20 Full</b><br><b>CH 140</b><br><b>5700MHz</b> |                                                                                                                                                  | 5700    | 109.71 | -      | -    | 95.62 | 34.4 | 12.29 | 32.6 | 204 | 34  | P | H |
|                                                                        |                                                                                                                                                  | 5700    | 102.85 | -      | -    | 88.76 | 34.4 | 12.29 | 32.6 | 204 | 34  | A | H |
|                                                                        |                                                                                                                                                  | 5750.76 | 52.24  | -16.06 | 68.3 | 38.04 | 34.5 | 12.3  | 32.6 | 204 | 34  | P | H |
|                                                                        |                                                                                                                                                  | 5700    | 102.33 | -      | -    | 88.24 | 34.4 | 12.29 | 32.6 | 147 | 168 | P | V |
|                                                                        |                                                                                                                                                  | 5700    | 95.43  | -      | -    | 81.34 | 34.4 | 12.29 | 32.6 | 147 | 168 | A | V |
|                                                                        |                                                                                                                                                  | 5741.72 | 52.81  | -15.49 | 68.3 | 38.61 | 34.5 | 12.3  | 32.6 | 147 | 168 | P | V |
| <b>Remark</b>                                                          | <ol style="list-style-type: none"><li>1. No other spurious found.</li><li>2. All results are PASS against Peak and Average limit line.</li></ol> |         |        |        |      |       |      |       |      |     |     |   |   |



## U-NII-2C 5470~5725MHz

## WIFI 802.11ax HE20 (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 ) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax            |                                                                                             | 11000                | 47.28               | -26.72                  | 74                          | 44.39                     | 37.8                          | 16.49                  | 51.4                       | -                    | -                       | P                       | H               |
| HE20 Full           |                                                                                             | 16500                | 49.39               | -18.91                  | 68.3                        | 42.58                     | 41.31                         | 18.2                   | 52.7                       | -                    | -                       | P                       | H               |
| CH 100              |                                                                                             | 11000                | 47.17               | -26.83                  | 74                          | 44.28                     | 37.8                          | 16.49                  | 51.4                       | -                    | -                       | P                       | V               |
| 5500MHz             |                                                                                             | 16500                | 50.46               | -17.84                  | 68.3                        | 43.65                     | 41.31                         | 18.2                   | 52.7                       | -                    | -                       | P                       | V               |
| 802.11ax            |                                                                                             | 11160                | 47.31               | -26.69                  | 74                          | 44.14                     | 37.94                         | 16.5                   | 51.27                      | -                    | -                       | P                       | H               |
| HE20 Full           |                                                                                             | 16740                | 49.62               | -18.68                  | 68.3                        | 42.78                     | 41.69                         | 18.28                  | 53.13                      | -                    | -                       | P                       | H               |
| CH 116              |                                                                                             | 11160                | 47.41               | -26.59                  | 74                          | 44.24                     | 37.94                         | 16.5                   | 51.27                      | -                    | -                       | P                       | V               |
| 5580MHz             |                                                                                             | 16740                | 50.03               | -18.27                  | 68.3                        | 43.19                     | 41.69                         | 18.28                  | 53.13                      | -                    | -                       | P                       | V               |
| 802.11ax            |                                                                                             | 11400                | 47.42               | -26.58                  | 74                          | 43.85                     | 38.13                         | 16.52                  | 51.08                      | -                    | -                       | P                       | H               |
| HE20 Full           |                                                                                             | 17100                | 48.46               | -19.84                  | 68.3                        | 41.57                     | 42                            | 18.41                  | 53.52                      | -                    | -                       | P                       | H               |
| CH 140              |                                                                                             | 11400                | 47.64               | -26.36                  | 74                          | 44.07                     | 38.13                         | 16.52                  | 51.08                      | -                    | -                       | P                       | V               |
| 5700MHz             |                                                                                             | 17100                | 48.31               | -19.99                  | 68.3                        | 41.42                     | 42                            | 18.41                  | 53.52                      | -                    | -                       | P                       | V               |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**U-NII-2C 5470~5725MHz**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                        | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|--------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE40 Full<br>CH 102<br>5510MHz |      | 5454.88              | 52.57               | -21.43                  | 74                          | 38.52                     | 34.4                          | 12.24                  | 32.59                      | 172                  | 360                     | P                       | H               |
|                                            |      | 5468.8               | 55.65               | -12.65                  | 68.3                        | 41.6                      | 34.4                          | 12.24                  | 32.59                      | 172                  | 360                     | P                       | H               |
|                                            |      | 5459.44              | 43.75               | -10.25                  | 54                          | 29.7                      | 34.4                          | 12.24                  | 32.59                      | 172                  | 360                     | A                       | H               |
|                                            |      | 5510                 | 108.29              | -                       | -                           | 94.24                     | 34.4                          | 12.25                  | 32.6                       | 172                  | 360                     | P                       | H               |
|                                            |      | 5510                 | 101.08              | -                       | -                           | 87.03                     | 34.4                          | 12.25                  | 32.6                       | 172                  | 360                     | A                       | H               |
|                                            |      | 5762.48              | 52.51               | -15.79                  | 68.3                        | 38.24                     | 34.57                         | 12.3                   | 32.6                       | 172                  | 360                     | P                       | H               |
|                                            |      | 5364.64              | 53.24               | -20.76                  | 74                          | 39.2                      | 34.4                          | 12.21                  | 32.57                      | 184                  | 345                     | P                       | V               |
|                                            |      | 5463.76              | 52.29               | -16.01                  | 68.3                        | 38.24                     | 34.4                          | 12.24                  | 32.59                      | 184                  | 345                     | P                       | V               |
|                                            |      | 5459.92              | 42.69               | -11.31                  | 54                          | 28.64                     | 34.4                          | 12.24                  | 32.59                      | 184                  | 345                     | A                       | V               |
|                                            |      | 5510                 | 100.81              | -                       | -                           | 86.76                     | 34.4                          | 12.25                  | 32.6                       | 184                  | 345                     | P                       | V               |
|                                            |      | 5510                 | 93.87               | -                       | -                           | 79.82                     | 34.4                          | 12.25                  | 32.6                       | 184                  | 345                     | A                       | V               |
|                                            |      | 5743.265             | 53.11               | -15.19                  | 68.3                        | 38.91                     | 34.5                          | 12.3                   | 32.6                       | 184                  | 345                     | P                       | V               |
| 802.11ax<br>HE40 Full<br>CH 110<br>5550MHz |      | 5415.52              | 53.79               | -20.21                  | 74                          | 39.74                     | 34.4                          | 12.23                  | 32.58                      | 171                  | 360                     | P                       | H               |
|                                            |      | 5462.8               | 52.11               | -16.19                  | 68.3                        | 38.06                     | 34.4                          | 12.24                  | 32.59                      | 171                  | 360                     | P                       | H               |
|                                            |      | 5402.08              | 42.96               | -11.04                  | 54                          | 28.92                     | 34.4                          | 12.22                  | 32.58                      | 171                  | 360                     | A                       | H               |
|                                            |      | 5550                 | 110.75              | -                       | -                           | 96.79                     | 34.3                          | 12.26                  | 32.6                       | 171                  | 360                     | P                       | H               |
|                                            |      | 5550                 | 103.83              | -                       | -                           | 89.87                     | 34.3                          | 12.26                  | 32.6                       | 171                  | 360                     | A                       | H               |
|                                            |      | 5760.275             | 52.58               | -15.72                  | 68.3                        | 38.31                     | 34.57                         | 12.3                   | 32.6                       | 171                  | 360                     | P                       | H               |
|                                            |      | 5358.64              | 51.62               | -22.38                  | 74                          | 37.58                     | 34.4                          | 12.21                  | 32.57                      | 157                  | 345                     | P                       | V               |
|                                            |      | 5466.88              | 51.34               | -16.96                  | 68.3                        | 37.29                     | 34.4                          | 12.24                  | 32.59                      | 157                  | 345                     | P                       | V               |
|                                            |      | 5459.92              | 42.51               | -11.49                  | 54                          | 28.46                     | 34.4                          | 12.24                  | 32.59                      | 157                  | 345                     | A                       | V               |
|                                            |      | 5550                 | 101.98              | -                       | -                           | 88.02                     | 34.3                          | 12.26                  | 32.6                       | 157                  | 345                     | P                       | V               |
|                                            |      | 5550                 | 95.04               | -                       | -                           | 81.08                     | 34.3                          | 12.26                  | 32.6                       | 157                  | 345                     | A                       | V               |
|                                            |      | 5735.075             | 52.51               | -15.79                  | 68.3                        | 38.31                     | 34.5                          | 12.3                   | 32.6                       | 157                  | 345                     | P                       | V               |



|                                                                        |                                                                                             |          |        |        |      |       |       |       |       |     |     |   |   |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------|--------|--------|------|-------|-------|-------|-------|-----|-----|---|---|
| <b>802.11ax</b><br><b>HE40 Full</b><br><b>CH 134</b><br><b>5670MHz</b> |                                                                                             | 5362.25  | 53.56  | -20.44 | 74   | 39.52 | 34.4  | 12.21 | 32.57 | 276 | 359 | P | H |
|                                                                        |                                                                                             | 5462     | 51.02  | -17.28 | 68.3 | 36.97 | 34.4  | 12.24 | 32.59 | 276 | 359 | P | H |
|                                                                        |                                                                                             | 5458.85  | 42.65  | -11.35 | 54   | 28.6  | 34.4  | 12.24 | 32.59 | 276 | 359 | A | H |
|                                                                        |                                                                                             | 5670     | 109.1  | -      | -    | 95.02 | 34.4  | 12.28 | 32.6  | 276 | 359 | P | H |
|                                                                        |                                                                                             | 5670     | 102.23 | -      | -    | 88.15 | 34.4  | 12.28 | 32.6  | 276 | 359 | A | H |
|                                                                        |                                                                                             | 5754.5   | 52.72  | -15.58 | 68.3 | 38.45 | 34.57 | 12.3  | 32.6  | 276 | 359 | P | H |
|                                                                        |                                                                                             | 5435.4   | 51.69  | -22.31 | 74   | 37.65 | 34.4  | 12.23 | 32.59 | 171 | 360 | P | V |
|                                                                        |                                                                                             | 5459.9   | 50.1   | -23.9  | 68.3 | 36.05 | 34.4  | 12.24 | 32.59 | 171 | 360 | P | V |
|                                                                        |                                                                                             | 5458.5   | 42.47  | -11.53 | 54   | 28.42 | 34.4  | 12.24 | 32.59 | 171 | 360 | A | V |
|                                                                        |                                                                                             | 5670     | 103.01 | -      | -    | 88.93 | 34.4  | 12.28 | 32.6  | 171 | 360 | P | V |
|                                                                        |                                                                                             | 5670     | 95.22  | -      | -    | 81.14 | 34.4  | 12.28 | 32.6  | 171 | 360 | A | V |
|                                                                        |                                                                                             | 5759.225 | 51.42  | -16.88 | 68.3 | 37.15 | 34.57 | 12.3  | 32.6  | 171 | 360 | P | V |
| <b>Remark</b>                                                          | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |          |        |        |      |       |       |       |       |     |     |   |   |



## U-NII-2C 5470~5725MHz

## WIFI 802.11ax HE40 Full (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 ) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax            |                                                                                             | 11020                | 47.44               | -26.56                  | 74                          | 44.53                     | 37.81                         | 16.49                  | 51.39                      | -                    | -                       | P                       | H               |
| HE40 Full           |                                                                                             | 16530                | 48.9                | -19.4                   | 68.3                        | 42.08                     | 41.37                         | 18.21                  | 52.76                      | -                    | -                       | P                       | H               |
| CH 102              |                                                                                             | 11020                | 47.05               | -26.95                  | 74                          | 44.14                     | 37.81                         | 16.49                  | 51.39                      | -                    | -                       | P                       | V               |
| 5510MHz             |                                                                                             | 16530                | 50.34               | -17.96                  | 68.3                        | 43.52                     | 41.37                         | 18.21                  | 52.76                      | -                    | -                       | P                       | V               |
| 802.11ax            |                                                                                             | 11100                | 47.37               | -26.63                  | 74                          | 44.31                     | 37.88                         | 16.5                   | 51.32                      | -                    | -                       | P                       | H               |
| HE40 Full           |                                                                                             | 16650                | 48.86               | -19.44                  | 68.3                        | 42.03                     | 41.56                         | 18.25                  | 52.98                      | -                    | -                       | P                       | H               |
| CH 110              |                                                                                             | 11100                | 47.39               | -26.61                  | 74                          | 44.33                     | 37.88                         | 16.5                   | 51.32                      | -                    | -                       | P                       | V               |
| 5550MHz             |                                                                                             | 16650                | 48.98               | -19.32                  | 68.3                        | 42.15                     | 41.56                         | 18.25                  | 52.98                      | -                    | -                       | P                       | V               |
| 802.11ax            |                                                                                             | 11340                | 47.56               | -26.44                  | 74                          | 44.1                      | 38.07                         | 16.52                  | 51.13                      | -                    | -                       | P                       | H               |
| HE40 Full           |                                                                                             | 17010                | 49.26               | -19.04                  | 68.3                        | 42.4                      | 42.08                         | 18.37                  | 53.59                      | -                    | -                       | P                       | H               |
| CH 134              |                                                                                             | 11340                | 47.87               | -26.13                  | 74                          | 44.41                     | 38.07                         | 16.52                  | 51.13                      | -                    | -                       | P                       | V               |
| 5670MHz             |                                                                                             | 17010                | 48.76               | -19.54                  | 68.3                        | 41.9                      | 42.08                         | 18.37                  | 53.59                      | -                    | -                       | P                       | V               |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



**U-NII-2C 5470~5725MHz**  
**WIFI 802.11ax HE80 Full (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                                                                         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|---------------------------------------------------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11ax<br>HE80 Full<br>CH 106<br>5530MHz                                                  |      | 5457.04              | 56.29               | -17.71                  | 74                          | 42.24                     | 34.4                          | 12.24                  | 32.59                      | 217                  | 360                     | P                       | H               |
|                                                                                             |      | 5467.12              | 56.84               | -11.46                  | 68.3                        | 42.79                     | 34.4                          | 12.24                  | 32.59                      | 217                  | 360                     | P                       | H               |
|                                                                                             |      | 5459.68              | 47.43               | -6.57                   | 54                          | 33.38                     | 34.4                          | 12.24                  | 32.59                      | 217                  | 360                     | A                       | H               |
|                                                                                             |      | 5530                 | 104.53              | -                       | -                           | 90.5                      | 34.37                         | 12.26                  | 32.6                       | 217                  | 360                     | P                       | H               |
|                                                                                             |      | 5530                 | 96.9                | -                       | -                           | 82.87                     | 34.37                         | 12.26                  | 32.6                       | 217                  | 360                     | A                       | H               |
|                                                                                             |      | 5760.275             | 51.44               | -16.86                  | 68.3                        | 37.17                     | 34.57                         | 12.3                   | 32.6                       | 217                  | 360                     | P                       | H               |
|                                                                                             |      | 5443.6               | 52                  | -22                     | 74                          | 37.96                     | 34.4                          | 12.23                  | 32.59                      | 270                  | 208                     | P                       | V               |
|                                                                                             |      | 5460                 | 51.46               | -16.84                  | 68.3                        | 37.41                     | 34.4                          | 12.24                  | 32.59                      | 270                  | 208                     | P                       | V               |
|                                                                                             |      | 5459.68              | 43.02               | -10.98                  | 54                          | 28.97                     | 34.4                          | 12.24                  | 32.59                      | 270                  | 208                     | A                       | V               |
|                                                                                             |      | 5530                 | 100.3               | -                       | -                           | 86.27                     | 34.37                         | 12.26                  | 32.6                       | 270                  | 208                     | P                       | V               |
|                                                                                             |      | 5530                 | 93.57               | -                       | -                           | 79.54                     | 34.37                         | 12.26                  | 32.6                       | 270                  | 208                     | A                       | V               |
| 802.11ax<br>HE80 Full<br>CH 122<br>5610MHz                                                  |      | 5732.87              | 52.06               | -16.24                  | 68.3                        | 37.89                     | 34.47                         | 12.3                   | 32.6                       | 270                  | 208                     | P                       | V               |
|                                                                                             |      | 5459.68              | 52.87               | -21.13                  | 74                          | 38.82                     | 34.4                          | 12.24                  | 32.59                      | 217                  | 360                     | P                       | H               |
|                                                                                             |      | 5460.16              | 51                  | -17.3                   | 68.3                        | 36.95                     | 34.4                          | 12.24                  | 32.59                      | 217                  | 360                     | P                       | H               |
|                                                                                             |      | 5458.72              | 43.27               | -10.73                  | 54                          | 29.22                     | 34.4                          | 12.24                  | 32.59                      | 217                  | 360                     | A                       | H               |
|                                                                                             |      | 5610                 | 105.56              | -                       | -                           | 91.59                     | 34.3                          | 12.27                  | 32.6                       | 217                  | 360                     | P                       | H               |
|                                                                                             |      | 5610                 | 97.44               | -                       | -                           | 83.47                     | 34.3                          | 12.27                  | 32.6                       | 217                  | 360                     | A                       | H               |
|                                                                                             |      | 5760.8               | 52.03               | -16.27                  | 68.3                        | 37.76                     | 34.57                         | 12.3                   | 32.6                       | 217                  | 360                     | P                       | H               |
|                                                                                             |      | 5390.32              | 51.87               | -22.13                  | 74                          | 37.83                     | 34.4                          | 12.22                  | 32.58                      | 207                  | 176                     | P                       | V               |
|                                                                                             |      | 5464.24              | 50.86               | -17.44                  | 68.3                        | 36.81                     | 34.4                          | 12.24                  | 32.59                      | 207                  | 176                     | P                       | V               |
|                                                                                             |      | 5459.44              | 42.43               | -11.57                  | 54                          | 28.38                     | 34.4                          | 12.24                  | 32.59                      | 207                  | 176                     | A                       | V               |
|                                                                                             |      | 5610                 | 99.22               | -                       | -                           | 85.25                     | 34.3                          | 12.27                  | 32.6                       | 207                  | 176                     | P                       | V               |
| Remark                                                                                      |      | 5610                 | 91.56               | -                       | -                           | 77.59                     | 34.3                          | 12.27                  | 32.6                       | 207                  | 176                     | A                       | V               |
|                                                                                             |      | 5762.375             | 52.38               | -15.92                  | 68.3                        | 38.11                     | 34.57                         | 12.3                   | 32.6                       | 207                  | 176                     | P                       | V               |
| 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |      |                      |                     |                         |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## U-NII-2C 5470~5725MHz

## WIFI 802.11ax HE80 Full (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) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax            |                                                                                             | 11060                | 47.84               | -26.16                  | 74                          | 44.85                   | 37.85                         | 16.49                  | 51.35                      | -                    | -                       | P                     | H             |
| HE80 Full           |                                                                                             | 16590                | 50.47               | -17.83                  | 68.3                        | 43.65                   | 41.45                         | 18.23                  | 52.86                      | -                    | -                       | P                     | H             |
| CH 106              |                                                                                             | 11060                | 47.48               | -26.52                  | 74                          | 44.49                   | 37.85                         | 16.49                  | 51.35                      | -                    | -                       | P                     | V             |
| 5530MHz             |                                                                                             | 16590                | 49.78               | -18.52                  | 68.3                        | 42.96                   | 41.45                         | 18.23                  | 52.86                      | -                    | -                       | P                     | V             |
| 802.11ax            |                                                                                             | 11220                | 47.45               | -26.55                  | 74                          | 44.19                   | 37.98                         | 16.51                  | 51.23                      | -                    | -                       | P                     | H             |
| HE80 Full           |                                                                                             | 16830                | 50.31               | -17.99                  | 68.3                        | 43.46                   | 41.83                         | 18.31                  | 53.29                      | -                    | -                       | P                     | H             |
| CH 122              |                                                                                             | 11220                | 47.87               | -26.13                  | 74                          | 44.61                   | 37.98                         | 16.51                  | 51.23                      | -                    | -                       | P                     | V             |
| 5610MHz             |                                                                                             | 16830                | 50.02               | -18.28                  | 68.3                        | 43.17                   | 41.83                         | 18.31                  | 53.29                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2C 5470~5725MHz

## WIFI 802.11ax HE160 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|---------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE160 Full<br>CH 114<br>5570MHz |      | 5439.76              | 53.93               | -20.07                  | 74                          | 39.89                   | 34.4                          | 12.23                  | 32.59                      | 271                  | 360                     | P                     | H             |
|                                             |      | 5467.84              | 53.67               | -14.63                  | 68.3                        | 39.62                   | 34.4                          | 12.24                  | 32.59                      | 271                  | 360                     | P                     | H             |
|                                             |      | 5448.16              | 47.74               | -6.26                   | 54                          | 33.69                   | 34.4                          | 12.24                  | 32.59                      | 271                  | 360                     | A                     | H             |
|                                             |      | 5570                 | 101.01              | -                       | -                           | 87.05                   | 34.3                          | 12.26                  | 32.6                       | 271                  | 360                     | P                     | H             |
|                                             |      | 5570                 | 93.41               | -                       | -                           | 79.45                   | 34.3                          | 12.26                  | 32.6                       | 271                  | 360                     | A                     | H             |
|                                             |      | 5725.31              | 53.69               | -14.61                  | 68.3                        | 39.52                   | 34.47                         | 12.3                   | 32.6                       | 271                  | 360                     | P                     | H             |
|                                             |      | 5370.16              | 52.83               | -21.17                  | 74                          | 38.79                   | 34.4                          | 12.21                  | 32.57                      | 265                  | 177                     | P                     | V             |
|                                             |      | 5469.04              | 52.63               | -15.67                  | 68.3                        | 38.58                   | 34.4                          | 12.24                  | 32.59                      | 265                  | 177                     | P                     | V             |
|                                             |      | 5448.88              | 46.3                | -7.7                    | 54                          | 32.25                   | 34.4                          | 12.24                  | 32.59                      | 265                  | 177                     | A                     | V             |
|                                             |      | 5570                 | 93.36               | -                       | -                           | 79.4                    | 34.3                          | 12.26                  | 32.6                       | 265                  | 177                     | P                     | V             |
|                                             |      | 5570                 | 86.59               | -                       | -                           | 72.63                   | 34.3                          | 12.26                  | 32.6                       | 265                  | 177                     | A                     | V             |
|                                             |      | 5755.865             | 53.5                | -14.8                   | 68.3                        | 39.23                   | 34.57                         | 12.3                   | 32.6                       | 265                  | 177                     | P                     | V             |



**U-NII-2C 5470~5725MHz**  
**WIFI 802.11ax HE160 Full (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) |
|---------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax            |      | 11140                | 47.01               | -26.99                  | 74                          | 43.89                   | 37.91                         | 16.5                   | 51.29                      | -                    | -                       | P                     | H             |
| HE160 Full          |      | 16710                | 49.69               | -18.61                  | 68.3                        | 42.85                   | 41.64                         | 18.27                  | 53.07                      | -                    | -                       | P                     | H             |
| CH 114              |      | 11140                | 47.07               | -26.93                  | 74                          | 43.95                   | 37.91                         | 16.5                   | 51.29                      | -                    | -                       | P                     | V             |
| 5570MHz             |      | 16710                | 48.44               | -19.86                  | 68.3                        | 41.6                    | 41.64                         | 18.27                  | 53.07                      | -                    | -                       | P                     | V             |



## U-NII-1 - 5150~5250MHz

## WIFI 802.11ax HE20 Partial RU (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) |
| 802.11ax<br>HE20<br>Partial RU<br>CH 36<br>5180MHz |                                                                                             | 5137.02   | 53.91      | -20.09 | 74         | 40.32  | 33.97    | 12.15  | 32.53  | 230    | 332     | P     | H     |
|                                                    |                                                                                             | 5129.22   | 43.6       | -10.4  | 54         | 30.01  | 33.97    | 12.15  | 32.53  | 230    | 332     | A     | H     |
|                                                    |                                                                                             | 5180      | 110.8      | -      | -          | 97.05  | 34.13    | 12.16  | 32.54  | 230    | 332     | P     | H     |
|                                                    |                                                                                             | 5180      | 104.61     | -      | -          | 90.86  | 34.13    | 12.16  | 32.54  | 230    | 332     | A     | H     |
|                                                    |                                                                                             | 5115.7    | 53.95      | -20.05 | 74         | 40.41  | 33.93    | 12.14  | 32.53  | 229    | 360     | P     | V     |
|                                                    |                                                                                             | 5123.76   | 43.62      | -10.38 | 54         | 30.04  | 33.97    | 12.14  | 32.53  | 229    | 360     | A     | V     |
|                                                    |                                                                                             | 5180      | 109.7      | -      | -          | 95.95  | 34.13    | 12.16  | 32.54  | 229    | 360     | P     | V     |
|                                                    |                                                                                             | 5180      | 103.55     | -      | -          | 89.8   | 34.13    | 12.16  | 32.54  | 229    | 360     | A     | V     |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



| 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) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>Partial RU<br>CH 48<br>5240MHz |                                                                                             | 5098.8               | 54.05               | -19.95                  | 74                          | 40.53                   | 33.9                          | 12.14                  | 32.52                      | 236                  | 332                     | P                     | H             |
|                                                    |                                                                                             | 5102.44              | 43.68               | -10.32                  | 54                          | 30.16                   | 33.9                          | 12.14                  | 32.52                      | 236                  | 332                     | A                     | H             |
|                                                    |                                                                                             | 5240                 | 110.88              | -                       | -                           | 96.98                   | 34.27                         | 12.18                  | 32.55                      | 236                  | 332                     | P                     | H             |
|                                                    |                                                                                             | 5240                 | 104.48              | -                       | -                           | 90.58                   | 34.27                         | 12.18                  | 32.55                      | 236                  | 332                     | A                     | H             |
|                                                    |                                                                                             | 5424.72              | 53.35               | -20.65                  | 74                          | 39.3                    | 34.4                          | 12.23                  | 32.58                      | 236                  | 332                     | P                     | H             |
|                                                    |                                                                                             | 5459.28              | 42.44               | -11.56                  | 54                          | 28.39                   | 34.4                          | 12.24                  | 32.59                      | 236                  | 332                     | A                     | H             |
|                                                    |                                                                                             | 5093.6               | 53.82               | -20.18                  | 74                          | 40.3                    | 33.9                          | 12.14                  | 32.52                      | 210                  | 347                     | P                     | V             |
|                                                    |                                                                                             | 5102.96              | 43.58               | -10.42                  | 54                          | 30.06                   | 33.9                          | 12.14                  | 32.52                      | 210                  | 347                     | A                     | V             |
|                                                    |                                                                                             | 5240                 | 107.47              | -                       | -                           | 93.57                   | 34.27                         | 12.18                  | 32.55                      | 210                  | 347                     | P                     | V             |
|                                                    |                                                                                             | 5240                 | 101.39              | -                       | -                           | 87.49                   | 34.27                         | 12.18                  | 32.55                      | 210                  | 347                     | A                     | V             |
|                                                    |                                                                                             | 5431.68              | 53.42               | -20.58                  | 74                          | 39.38                   | 34.4                          | 12.23                  | 32.59                      | 210                  | 347                     | P                     | V             |
|                                                    |                                                                                             | 5459.28              | 42.42               | -11.58                  | 54                          | 28.37                   | 34.4                          | 12.24                  | 32.59                      | 210                  | 347                     | A                     | V             |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-1 5150~5250MHz

## WIFI 802.11ax HE20 Partial RU (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) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>Partial RU<br>CH 36<br>5180MHz |                                                                                             | 10360                | 48.22               | -20.08                  | 68.3                        | 46.57                   | 37.39                         | 15.31                  | 51.05                      | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 15540                | 47.79               | -26.21                  | 74                          | 42.61                   | 40.08                         | 17.76                  | 52.66                      | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 10360                | 49.05               | -19.25                  | 68.3                        | 47.4                    | 37.39                         | 15.31                  | 51.05                      | -                    | -                       | P                     | V             |
|                                                    |                                                                                             | 15540                | 47.11               | -26.89                  | 74                          | 41.93                   | 40.08                         | 17.76                  | 52.66                      | -                    | -                       | P                     | V             |
| 802.11ax<br>HE20<br>Partial RU<br>CH 48<br>5240MHz |                                                                                             | 10480                | 49.51               | -18.79                  | 68.3                        | 47.79                   | 37.49                         | 15.32                  | 51.09                      | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 15720                | 47.54               | -26.46                  | 74                          | 42.42                   | 40.25                         | 17.87                  | 53                         | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 10480                | 48.78               | -19.52                  | 68.3                        | 47.06                   | 37.49                         | 15.32                  | 51.09                      | -                    | -                       | P                     | V             |
|                                                    |                                                                                             | 15720                | 46.51               | -27.49                  | 74                          | 41.39                   | 40.25                         | 17.87                  | 53                         | -                    | -                       | P                     | V             |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-1 5150~5250MHz

## WIFI 802.11ax HE40 Partial RU (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>Partial RU<br>CH 38<br>5190MHz |                                                                                             | 5147.42              | 63.31               | -10.69                  | 74                          | 49.69                   | 34                            | 12.15                  | 32.53                      | 368                  | 347                     | P                     | H             |
|                                                    |                                                                                             | 5150                 | 44.07               | -9.93                   | 54                          | 30.45                   | 34                            | 12.15                  | 32.53                      | 368                  | 347                     | A                     | H             |
|                                                    |                                                                                             | 5190                 | 106.63              | -                       | -                           | 92.88                   | 34.13                         | 12.16                  | 32.54                      | 368                  | 347                     | P                     | H             |
|                                                    |                                                                                             | 5190                 | 100.35              | -                       | -                           | 86.6                    | 34.13                         | 12.16                  | 32.54                      | 368                  | 347                     | A                     | H             |
|                                                    |                                                                                             | 5442.08              | 54.1                | -19.9                   | 74                          | 40.06                   | 34.4                          | 12.23                  | 32.59                      | 368                  | 347                     | P                     | H             |
|                                                    |                                                                                             | 5351.64              | 42.3                | -11.7                   | 54                          | 28.26                   | 34.4                          | 12.21                  | 32.57                      | 368                  | 347                     | A                     | H             |
|                                                    |                                                                                             | 5115.44              | 54.1                | -19.9                   | 74                          | 40.56                   | 33.93                         | 12.14                  | 32.53                      | 361                  | 360                     | P                     | V             |
|                                                    |                                                                                             | 5147.94              | 43.98               | -10.02                  | 54                          | 30.36                   | 34                            | 12.15                  | 32.53                      | 361                  | 360                     | A                     | V             |
|                                                    |                                                                                             | 5190                 | 107.34              | -                       | -                           | 93.59                   | 34.13                         | 12.16                  | 32.54                      | 361                  | 360                     | P                     | V             |
|                                                    |                                                                                             | 5190                 | 101.19              | -                       | -                           | 87.44                   | 34.13                         | 12.16                  | 32.54                      | 361                  | 360                     | A                     | V             |
|                                                    |                                                                                             | 5447.96              | 53.91               | -20.09                  | 74                          | 39.86                   | 34.4                          | 12.24                  | 32.59                      | 361                  | 360                     | P                     | V             |
|                                                    |                                                                                             | 5457.76              | 42.24               | -11.76                  | 54                          | 28.19                   | 34.4                          | 12.24                  | 32.59                      | 361                  | 360                     | A                     | V             |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



| 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) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>Partial RU<br>CH 46<br>5230MHz |                                                                                             | 5056.16              | 53.65               | -20.35                  | 74                          | 40.2                    | 33.83                         | 12.13                  | 32.51                      | 378                  | 345                     | P                     | H             |
|                                                    |                                                                                             | 5125.84              | 43.61               | -10.39                  | 54                          | 30.02                   | 33.97                         | 12.15                  | 32.53                      | 378                  | 345                     | A                     | H             |
|                                                    |                                                                                             | 5230                 | 108.45              | -                       | -                           | 94.56                   | 34.27                         | 12.17                  | 32.55                      | 378                  | 345                     | P                     | H             |
|                                                    |                                                                                             | 5230                 | 102.32              | -                       | -                           | 88.43                   | 34.27                         | 12.17                  | 32.55                      | 378                  | 345                     | A                     | H             |
|                                                    |                                                                                             | 5388                 | 54.56               | -19.44                  | 74                          | 40.52                   | 34.4                          | 12.22                  | 32.58                      | 378                  | 345                     | P                     | H             |
|                                                    |                                                                                             | 5459.52              | 42.33               | -11.67                  | 54                          | 28.28                   | 34.4                          | 12.24                  | 32.59                      | 378                  | 345                     | A                     | H             |
|                                                    |                                                                                             | 5076.18              | 53.96               | -20.04                  | 74                          | 40.48                   | 33.87                         | 12.13                  | 32.52                      | 389                  | 352                     | P                     | V             |
|                                                    |                                                                                             | 5106.6               | 43.47               | -10.53                  | 54                          | 29.92                   | 33.93                         | 12.14                  | 32.52                      | 389                  | 352                     | A                     | V             |
|                                                    |                                                                                             | 5230                 | 104.18              | -                       | -                           | 90.29                   | 34.27                         | 12.17                  | 32.55                      | 389                  | 352                     | P                     | V             |
|                                                    |                                                                                             | 5230                 | 98.05               | -                       | -                           | 84.16                   | 34.27                         | 12.17                  | 32.55                      | 389                  | 352                     | A                     | V             |
|                                                    |                                                                                             | 5438.16              | 52.78               | -21.22                  | 74                          | 38.74                   | 34.4                          | 12.23                  | 32.59                      | 389                  | 352                     | P                     | V             |
|                                                    |                                                                                             | 5459.76              | 42.28               | -11.72                  | 54                          | 28.23                   | 34.4                          | 12.24                  | 32.59                      | 389                  | 352                     | A                     | V             |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-1 5150~5250MHz

## WIFI 802.11ax HE40 Partial RU (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) |
|----------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>Partial RU<br>CH 38<br>5190MHz |      | 10380                | 48.94               | -19.36                  | 68.3                        | 47.26                   | 37.41                         | 15.32                  | 51.05                      | -                    | -                       | P                     | H             |
|                                                    |      | 15570                | 47.12               | -26.88                  | 74                          | 41.95                   | 40.11                         | 17.78                  | 52.72                      | -                    | -                       | P                     | H             |
|                                                    |      | 10380                | 49.33               | -18.97                  | 68.3                        | 47.65                   | 37.41                         | 15.32                  | 51.05                      | -                    | -                       | P                     | V             |
|                                                    |      | 15570                | 46.7                | -27.3                   | 74                          | 41.53                   | 40.11                         | 17.78                  | 52.72                      | -                    | -                       | P                     | V             |
| 802.11ax<br>HE40<br>Partial RU<br>CH 46<br>5230MHz |      | 10460                | 47.28               | -21.02                  | 68.3                        | 45.58                   | 37.46                         | 15.32                  | 51.08                      | -                    | -                       | P                     | H             |
|                                                    |      | 15690                | 46.9                | -27.1                   | 74                          | 41.77                   | 40.22                         | 17.85                  | 52.94                      | -                    | -                       | P                     | H             |
|                                                    |      | 10460                | 48.2                | -20.1                   | 68.3                        | 46.5                    | 37.46                         | 15.32                  | 51.08                      | -                    | -                       | P                     | V             |
|                                                    |      | 15690                | 47.26               | -26.74                  | 74                          | 42.13                   | 40.22                         | 17.85                  | 52.94                      | -                    | -                       | P                     | V             |



## U-NII-1 5150~5250MHz

## WIFI 802.11ax HE80 Partial RU (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>Partial<br>RU484 65<br>CH 42<br>5210MHz |                                                                                             | 5149.24              | 62.62               | -11.38                  | 74                          | 49                      | 34                            | 12.15                  | 32.53                      | 377                  | 332                     | P                     | H             |
|                                                             |                                                                                             | 5149.76              | 45.18               | -8.82                   | 54                          | 31.56                   | 34                            | 12.15                  | 32.53                      | 377                  | 332                     | A                     | H             |
|                                                             |                                                                                             | 5210                 | 103.54              | -                       | -                           | 89.68                   | 34.23                         | 12.17                  | 32.54                      | 377                  | 332                     | P                     | H             |
|                                                             |                                                                                             | 5210                 | 97.43               | -                       | -                           | 83.57                   | 34.23                         | 12.17                  | 32.54                      | 377                  | 332                     | A                     | H             |
|                                                             |                                                                                             | 5445.12              | 53.95               | -20.05                  | 74                          | 39.91                   | 34.4                          | 12.23                  | 32.59                      | 377                  | 332                     | P                     | H             |
|                                                             |                                                                                             | 5356.56              | 42.4                | -11.6                   | 54                          | 28.36                   | 34.4                          | 12.21                  | 32.57                      | 377                  | 332                     | A                     | H             |
|                                                             |                                                                                             | 5149.24              | 60.2                | -13.8                   | 74                          | 46.58                   | 34                            | 12.15                  | 32.53                      | 382                  | 360                     | P                     | V             |
|                                                             |                                                                                             | 5149.76              | 44.28               | -9.72                   | 54                          | 30.66                   | 34                            | 12.15                  | 32.53                      | 382                  | 360                     | A                     | V             |
|                                                             |                                                                                             | 5210                 | 101.41              | -                       | -                           | 87.55                   | 34.23                         | 12.17                  | 32.54                      | 382                  | 360                     | P                     | V             |
|                                                             |                                                                                             | 5210                 | 95.23               | -                       | -                           | 81.37                   | 34.23                         | 12.17                  | 32.54                      | 382                  | 360                     | A                     | V             |
|                                                             |                                                                                             | 5458.56              | 55.35               | -18.65                  | 74                          | 41.3                    | 34.4                          | 12.24                  | 32.59                      | 382                  | 360                     | P                     | V             |
|                                                             |                                                                                             | 5458.32              | 42.2                | -11.8                   | 54                          | 28.15                   | 34.4                          | 12.24                  | 32.59                      | 382                  | 360                     | A                     | V             |
| Remark                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



| 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) |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>Partial<br>RU484 66<br>CH 42<br>5210MHz |                                                                                             | 5141.7               | 62.34               | -11.66                  | 74                          | 48.72                   | 34                            | 12.15                  | 32.53                      | 393                  | 327                     | P                     | H             |
|                                                             |                                                                                             | 5145.34              | 44.09               | -9.91                   | 54                          | 30.47                   | 34                            | 12.15                  | 32.53                      | 393                  | 327                     | A                     | H             |
|                                                             |                                                                                             | 5210                 | 104.32              | -                       | -                           | 90.46                   | 34.23                         | 12.17                  | 32.54                      | 393                  | 327                     | P                     | H             |
|                                                             |                                                                                             | 5210                 | 98.23               | -                       | -                           | 84.37                   | 34.23                         | 12.17                  | 32.54                      | 393                  | 327                     | A                     | H             |
|                                                             |                                                                                             | 5401.92              | 52.1                | -21.9                   | 74                          | 38.06                   | 34.4                          | 12.22                  | 32.58                      | 393                  | 327                     | P                     | H             |
|                                                             |                                                                                             | 5356.32              | 42.38               | -11.62                  | 54                          | 28.34                   | 34.4                          | 12.21                  | 32.57                      | 393                  | 327                     | A                     | H             |
|                                                             |                                                                                             | 5144.04              | 61.12               | -12.88                  | 74                          | 47.5                    | 34                            | 12.15                  | 32.53                      | 386                  | 360                     | P                     | V             |
|                                                             |                                                                                             | 5148.2               | 43.93               | -10.07                  | 54                          | 30.31                   | 34                            | 12.15                  | 32.53                      | 386                  | 360                     | A                     | V             |
|                                                             |                                                                                             | 5210                 | 101.7               | -                       | -                           | 87.84                   | 34.23                         | 12.17                  | 32.54                      | 386                  | 360                     | P                     | V             |
|                                                             |                                                                                             | 5210                 | 95.55               | -                       | -                           | 81.69                   | 34.23                         | 12.17                  | 32.54                      | 386                  | 360                     | A                     | V             |
|                                                             |                                                                                             | 5433.12              | 52.29               | -21.71                  | 74                          | 38.25                   | 34.4                          | 12.23                  | 32.59                      | 386                  | 360                     | P                     | V             |
|                                                             |                                                                                             | 5456.16              | 42.21               | -11.79                  | 54                          | 28.16                   | 34.4                          | 12.24                  | 32.59                      | 386                  | 360                     | A                     | V             |
| Remark                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-1 5150~5250MHz

## WIFI 802.11ax HE80 Partial RU (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) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax            |                                                                                             | 10420                | 50.07               | -18.23                  | 68.3                        | 48.39                   | 37.43                         | 15.32                  | 51.07                      | -                    | -                       | P                     | H             |
| HE80                |                                                                                             | 15630                | 47.6                | -26.4                   | 74                          | 42.46                   | 40.17                         | 17.82                  | 52.85                      | -                    | -                       | P                     | H             |
| Partial             |                                                                                             | 10420                | 49.73               | -18.57                  | 68.3                        | 48.05                   | 37.43                         | 15.32                  | 51.07                      | -                    | -                       | P                     | V             |
| RU484 65            |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
| CH 42               |                                                                                             | 15630                | 47.92               | -26.08                  | 74                          | 42.78                   | 40.17                         | 17.82                  | 52.85                      | -                    | -                       | P                     | V             |
| 5210MHz             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
| 802.11ax            |                                                                                             | 10420                | 49.84               | -18.46                  | 68.3                        | 48.16                   | 37.43                         | 15.32                  | 51.07                      | -                    | -                       | P                     | H             |
| HE80                |                                                                                             | 15630                | 47.22               | -26.78                  | 74                          | 42.08                   | 40.17                         | 17.82                  | 52.85                      | -                    | -                       | P                     | H             |
| Partial             |                                                                                             | 10420                | 48.37               | -19.93                  | 68.3                        | 46.69                   | 37.43                         | 15.32                  | 51.07                      | -                    | -                       | P                     | V             |
| RU484 66            |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
| CH 42               |                                                                                             | 15630                | 47.77               | -26.23                  | 74                          | 42.63                   | 40.17                         | 17.82                  | 52.85                      | -                    | -                       | P                     | V             |
| 5210MHz             |                                                                                             |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2A - 5250~5350MHz

## WIFI 802.11ax HE20 Partial RU (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20 Partial<br>RU<br>CH 52<br>5320MHz |                                                                                             | 5099.32              | 54.45               | -19.55                  | 74                          | 40.93                   | 33.9                          | 12.14                  | 32.52                      | 237                  | 335                     | P                     | H             |
|                                                    |                                                                                             | 5115.44              | 43.73               | -10.27                  | 54                          | 30.19                   | 33.93                         | 12.14                  | 32.53                      | 237                  | 335                     | A                     | H             |
|                                                    |                                                                                             | 5260                 | 110.88              | -                       | -                           | 96.92                   | 34.33                         | 12.18                  | 32.55                      | 237                  | 335                     | P                     | H             |
|                                                    |                                                                                             | 5260                 | 104.81              | -                       | -                           | 90.85                   | 34.33                         | 12.18                  | 32.55                      | 237                  | 335                     | A                     | H             |
|                                                    |                                                                                             | 5355.36              | 53.14               | -20.86                  | 74                          | 39.1                    | 34.4                          | 12.21                  | 32.57                      | 237                  | 335                     | P                     | H             |
|                                                    |                                                                                             | 5459.52              | 42.46               | -11.54                  | 54                          | 28.41                   | 34.4                          | 12.24                  | 32.59                      | 237                  | 335                     | A                     | H             |
|                                                    |                                                                                             | 5103.48              | 53.56               | -20.44                  | 74                          | 40.04                   | 33.9                          | 12.14                  | 32.52                      | 210                  | 345                     | P                     | V             |
|                                                    |                                                                                             | 5125.84              | 43.64               | -10.36                  | 54                          | 30.05                   | 33.97                         | 12.15                  | 32.53                      | 210                  | 345                     | A                     | V             |
|                                                    |                                                                                             | 5260                 | 107.78              | -                       | -                           | 93.82                   | 34.33                         | 12.18                  | 32.55                      | 210                  | 345                     | P                     | V             |
|                                                    |                                                                                             | 5260                 | 101.66              | -                       | -                           | 87.7                    | 34.33                         | 12.18                  | 32.55                      | 210                  | 345                     | A                     | V             |
|                                                    |                                                                                             | 5390.4               | 53.68               | -20.32                  | 74                          | 39.64                   | 34.4                          | 12.22                  | 32.58                      | 210                  | 345                     | P                     | V             |
|                                                    |                                                                                             | 5459.04              | 42.33               | -11.67                  | 54                          | 28.28                   | 34.4                          | 12.24                  | 32.59                      | 210                  | 345                     | A                     | V             |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



| 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) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>Partial RU<br>CH 64<br>5320MHz |                                                                                             | 5320                 | 108.48              | -                       | -                           | 94.44                   | 34.4                          | 12.2                   | 32.56                      | 245                  | 328                     | P                     | H             |
|                                                    |                                                                                             | 5320                 | 102.27              | -                       | -                           | 88.23                   | 34.4                          | 12.2                   | 32.56                      | 245                  | 328                     | A                     | H             |
|                                                    |                                                                                             | 5442.4               | 53.24               | -20.76                  | 74                          | 39.2                    | 34.4                          | 12.23                  | 32.59                      | 245                  | 328                     | P                     | H             |
|                                                    |                                                                                             | 5459.04              | 42.46               | -11.54                  | 54                          | 28.41                   | 34.4                          | 12.24                  | 32.59                      | 245                  | 328                     | A                     | H             |
|                                                    |                                                                                             | 5320                 | 106.6               | -                       | -                           | 92.56                   | 34.4                          | 12.2                   | 32.56                      | 215                  | 347                     | P                     | V             |
|                                                    |                                                                                             | 5320                 | 100.52              | -                       | -                           | 86.48                   | 34.4                          | 12.2                   | 32.56                      | 215                  | 347                     | A                     | V             |
|                                                    |                                                                                             | 5361.76              | 53.04               | -20.96                  | 74                          | 39                      | 34.4                          | 12.21                  | 32.57                      | 215                  | 347                     | P                     | V             |
|                                                    |                                                                                             | 5458.4               | 42.38               | -11.62                  | 54                          | 28.33                   | 34.4                          | 12.24                  | 32.59                      | 215                  | 347                     | A                     | V             |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2A 5250~5350MHz

## WIFI 802.11ax HE20 Partial RU (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) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>Partial RU<br>CH 52<br>5260MHz |                                                                                             | 10520                | 48.15               | -20.15                  | 68.3                        | 46.38                   | 37.51                         | 15.37                  | 51.11                      | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 15780                | 47.11               | -26.89                  | 74                          | 42.01                   | 40.3                          | 17.9                   | 53.1                       | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 10520                | 49.87               | -18.43                  | 68.3                        | 48.1                    | 37.51                         | 15.37                  | 51.11                      | -                    | -                       | P                     | V             |
|                                                    |                                                                                             | 15780                | 46.11               | -27.89                  | 74                          | 41.01                   | 40.3                          | 17.9                   | 53.1                       | -                    | -                       | P                     | V             |
| 802.11ax<br>HE20<br>Partial RU<br>CH 64<br>5320MHz |                                                                                             | 10640                | 47.83               | -26.17                  | 74                          | 45.78                   | 37.58                         | 15.65                  | 51.18                      | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 15960                | 46.26               | -27.74                  | 74                          | 41.22                   | 40.47                         | 18.01                  | 53.44                      | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 10640                | 46.05               | -27.95                  | 74                          | 44                      | 37.58                         | 15.65                  | 51.18                      | -                    | -                       | P                     | V             |
|                                                    |                                                                                             | 15960                | 47.59               | -26.41                  | 74                          | 42.55                   | 40.47                         | 18.01                  | 53.44                      | -                    | -                       | P                     | V             |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2A 5250~5350MHz

## WIFI 802.11ax HE40 Partial RU (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>Partial RU<br>CH 54<br>5270MHz |                                                                                             | 5040.25              | 54.13               | -19.87                  | 74                          | 40.72                   | 33.8                          | 12.12                  | 32.51                      | 390                  | 337                     | P                     | H             |
|                                                    |                                                                                             | 5124.25              | 43.61               | -10.39                  | 54                          | 30.03                   | 33.97                         | 12.14                  | 32.53                      | 390                  | 337                     | A                     | H             |
|                                                    |                                                                                             | 5270                 | 107.09              | -                       | -                           | 93.12                   | 34.33                         | 12.19                  | 32.55                      | 390                  | 337                     | P                     | H             |
|                                                    |                                                                                             | 5270                 | 100.91              | -                       | -                           | 86.94                   | 34.33                         | 12.19                  | 32.55                      | 390                  | 337                     | A                     | H             |
|                                                    |                                                                                             | 5449.44              | 52.58               | -21.42                  | 74                          | 38.53                   | 34.4                          | 12.24                  | 32.59                      | 390                  | 337                     | P                     | H             |
|                                                    |                                                                                             | 5459.52              | 42.34               | -11.66                  | 54                          | 28.29                   | 34.4                          | 12.24                  | 32.59                      | 390                  | 337                     | A                     | H             |
|                                                    |                                                                                             | 5094.85              | 54.22               | -19.78                  | 74                          | 40.7                    | 33.9                          | 12.14                  | 32.52                      | 383                  | 352                     | P                     | V             |
|                                                    |                                                                                             | 5103.6               | 43.47               | -10.53                  | 54                          | 29.95                   | 33.9                          | 12.14                  | 32.52                      | 383                  | 352                     | A                     | V             |
|                                                    |                                                                                             | 5270                 | 102.92              | -                       | -                           | 88.95                   | 34.33                         | 12.19                  | 32.55                      | 383                  | 352                     | P                     | V             |
|                                                    |                                                                                             | 5270                 | 96.76               | -                       | -                           | 82.79                   | 34.33                         | 12.19                  | 32.55                      | 383                  | 352                     | A                     | V             |
|                                                    |                                                                                             | 5444.4               | 52.76               | -21.24                  | 74                          | 38.72                   | 34.4                          | 12.23                  | 32.59                      | 383                  | 352                     | P                     | V             |
|                                                    |                                                                                             | 5458.08              | 42.28               | -11.72                  | 54                          | 28.23                   | 34.4                          | 12.24                  | 32.59                      | 383                  | 352                     | A                     | V             |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



| 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) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>Partial RU<br>CH 62<br>5310MHz |                                                                                             | 5141.05              | 54.13               | -19.87                  | 74                          | 40.51                   | 34                            | 12.15                  | 32.53                      | 366                  | 355                     | P                     | H             |
|                                                    |                                                                                             | 5128.1               | 43.54               | -10.46                  | 54                          | 29.95                   | 33.97                         | 12.15                  | 32.53                      | 366                  | 355                     | A                     | H             |
|                                                    |                                                                                             | 5310                 | 108                 | -                       | -                           | 93.96                   | 34.4                          | 12.2                   | 32.56                      | 366                  | 355                     | P                     | H             |
|                                                    |                                                                                             | 5310                 | 101.68              | -                       | -                           | 87.64                   | 34.4                          | 12.2                   | 32.56                      | 366                  | 355                     | A                     | H             |
|                                                    |                                                                                             | 5350.32              | 67.11               | -6.89                   | 74                          | 53.07                   | 34.4                          | 12.21                  | 32.57                      | 366                  | 355                     | P                     | H             |
|                                                    |                                                                                             | 5350.08              | 45.76               | -8.24                   | 54                          | 31.72                   | 34.4                          | 12.21                  | 32.57                      | 366                  | 355                     | A                     | H             |
|                                                    |                                                                                             | 5107.45              | 53.82               | -20.18                  | 74                          | 40.27                   | 33.93                         | 12.14                  | 32.52                      | 377                  | 356                     | P                     | V             |
|                                                    |                                                                                             | 5125.65              | 43.57               | -10.43                  | 54                          | 29.98                   | 33.97                         | 12.15                  | 32.53                      | 377                  | 356                     | A                     | V             |
|                                                    |                                                                                             | 5310                 | 105.8               | -                       | -                           | 91.76                   | 34.4                          | 12.2                   | 32.56                      | 377                  | 356                     | P                     | V             |
|                                                    |                                                                                             | 5310                 | 99.66               | -                       | -                           | 85.62                   | 34.4                          | 12.2                   | 32.56                      | 377                  | 356                     | A                     | V             |
|                                                    |                                                                                             | 5352                 | 63.51               | -10.49                  | 74                          | 49.47                   | 34.4                          | 12.21                  | 32.57                      | 377                  | 356                     | P                     | V             |
|                                                    |                                                                                             | 5352                 | 46.23               | -7.77                   | 54                          | 32.19                   | 34.4                          | 12.21                  | 32.57                      | 377                  | 356                     | A                     | V             |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2A 5250~5350MHz

## WIFI 802.11ax HE40 Partial RU (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) |
|----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>Partial RU<br>CH 54<br>5270MHz |                                                                                             | 10540                | 49.29               | -19.01                  | 68.3                        | 47.48                   | 37.52                         | 15.41                  | 51.12                      | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 15810                | 47.27               | -26.73                  | 74                          | 42.18                   | 40.33                         | 17.92                  | 53.16                      | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 10540                | 49.68               | -18.62                  | 68.3                        | 47.87                   | 37.52                         | 15.41                  | 51.12                      | -                    | -                       | P                     | V             |
|                                                    |                                                                                             | 15810                | 47.8                | -26.2                   | 74                          | 42.71                   | 40.33                         | 17.92                  | 53.16                      | -                    | -                       | P                     | V             |
| 802.11ax<br>HE40<br>Partial RU<br>CH 62<br>5310MHz |                                                                                             | 10620                | 47.42               | -26.58                  | 74                          | 45.42                   | 37.57                         | 15.6                   | 51.17                      | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 15930                | 46.25               | -27.75                  | 74                          | 41.2                    | 40.44                         | 17.99                  | 53.38                      | -                    | -                       | P                     | H             |
|                                                    |                                                                                             | 10620                | 47.97               | -26.03                  | 74                          | 45.97                   | 37.57                         | 15.6                   | 51.17                      | -                    | -                       | P                     | V             |
|                                                    |                                                                                             | 15930                | 47.56               | -26.44                  | 74                          | 42.51                   | 40.44                         | 17.99                  | 53.38                      | -                    | -                       | P                     | V             |
| Remark                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2A 5250~5350MHz

## WIFI 802.11ax HE80 Partial RU (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>Partial<br>RU484 65<br>CH 58<br>5290MHz |                                                                                             | 5148.4               | 55.89               | -18.11                  | 74                          | 42.27                   | 34                            | 12.15                  | 32.53                      | 393                  | 345                     | P                     | H             |
|                                                             |                                                                                             | 5124.6               | 43.92               | -10.08                  | 54                          | 30.34                   | 33.97                         | 12.14                  | 32.53                      | 393                  | 345                     | A                     | H             |
|                                                             |                                                                                             | 5290                 | 105.48              | -                       | -                           | 91.48                   | 34.37                         | 12.19                  | 32.56                      | 393                  | 345                     | P                     | H             |
|                                                             |                                                                                             | 5290                 | 99.37               | -                       | -                           | 85.37                   | 34.37                         | 12.19                  | 32.56                      | 393                  | 345                     | A                     | H             |
|                                                             |                                                                                             | 5376.96              | 66.87               | -7.13                   | 74                          | 52.83                   | 34.4                          | 12.22                  | 32.58                      | 393                  | 345                     | P                     | H             |
|                                                             |                                                                                             | 5372.16              | 47.23               | -6.77                   | 54                          | 33.19                   | 34.4                          | 12.21                  | 32.57                      | 393                  | 345                     | A                     | H             |
|                                                             |                                                                                             | 5102.9               | 54.25               | -19.75                  | 74                          | 40.73                   | 33.9                          | 12.14                  | 32.52                      | 398                  | 352                     | P                     | V             |
|                                                             |                                                                                             | 5123.2               | 43.78               | -10.22                  | 54                          | 30.2                    | 33.97                         | 12.14                  | 32.53                      | 398                  | 352                     | A                     | V             |
|                                                             |                                                                                             | 5290                 | 103.5               | -                       | -                           | 89.5                    | 34.37                         | 12.19                  | 32.56                      | 398                  | 352                     | P                     | V             |
|                                                             |                                                                                             | 5290                 | 97.46               | -                       | -                           | 83.46                   | 34.37                         | 12.19                  | 32.56                      | 398                  | 352                     | A                     | V             |
|                                                             |                                                                                             | 5372.16              | 62.1                | -11.9                   | 74                          | 48.06                   | 34.4                          | 12.21                  | 32.57                      | 398                  | 352                     | P                     | V             |
|                                                             |                                                                                             | 5357.28              | 42.51               | -11.49                  | 54                          | 28.47                   | 34.4                          | 12.21                  | 32.57                      | 398                  | 352                     | A                     | V             |
| Remark                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



**WIFI 802.11ax HE80 Partial RU (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                                         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>Partial<br>RU484 66<br>CH 58<br>5290MHz |                                                                                             | 5036.05              | 53.7                | -20.3                   | 74                          | 40.29                   | 33.8                          | 12.12                  | 32.51                      | 368                  | 360                     | P                     | H             |
|                                                             |                                                                                             | 5126.35              | 43.75               | -10.25                  | 54                          | 30.16                   | 33.97                         | 12.15                  | 32.53                      | 368                  | 360                     | A                     | H             |
|                                                             |                                                                                             | 5290                 | 103.85              | -                       | -                           | 89.85                   | 34.37                         | 12.19                  | 32.56                      | 368                  | 360                     | P                     | H             |
|                                                             |                                                                                             | 5290                 | 97.67               | -                       | -                           | 83.67                   | 34.37                         | 12.19                  | 32.56                      | 368                  | 360                     | A                     | H             |
|                                                             |                                                                                             | 5374.8               | 65.12               | -8.88                   | 74                          | 51.08                   | 34.4                          | 12.21                  | 32.57                      | 368                  | 360                     | P                     | H             |
|                                                             |                                                                                             | 5350.08              | 46.46               | -7.54                   | 54                          | 32.42                   | 34.4                          | 12.21                  | 32.57                      | 368                  | 360                     | A                     | H             |
|                                                             |                                                                                             | 5134.4               | 55                  | -19                     | 74                          | 41.41                   | 33.97                         | 12.15                  | 32.53                      | 397                  | 360                     | P                     | V             |
|                                                             |                                                                                             | 5127.05              | 43.73               | -10.27                  | 54                          | 30.14                   | 33.97                         | 12.15                  | 32.53                      | 397                  | 360                     | A                     | V             |
|                                                             |                                                                                             | 5290                 | 99.43               | -                       | -                           | 85.43                   | 34.37                         | 12.19                  | 32.56                      | 397                  | 360                     | P                     | V             |
|                                                             |                                                                                             | 5290                 | 93.38               | -                       | -                           | 79.38                   | 34.37                         | 12.19                  | 32.56                      | 397                  | 360                     | A                     | V             |
|                                                             |                                                                                             | 5420.4               | 54.58               | -19.42                  | 74                          | 40.53                   | 34.4                          | 12.23                  | 32.58                      | 397                  | 360                     | P                     | V             |
|                                                             |                                                                                             | 5355.6               | 42.57               | -11.43                  | 54                          | 28.53                   | 34.4                          | 12.21                  | 32.57                      | 397                  | 360                     | A                     | V             |
| Remark                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2A 5250~5350MHz

## WIFI 802.11ax HE80 Partial 242 (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) |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>Partial<br>RU484 65<br>CH 58<br>5290MHz |                                                                                             | 10580                | 48.58               | -19.72                  | 68.3                        | 46.67                   | 37.55                         | 15.51                  | 51.15                      | -                    | -                       | P                     | H             |
|                                                             |                                                                                             | 15870                | 47.46               | -26.54                  | 74                          | 42.4                    | 40.39                         | 17.95                  | 53.28                      | -                    | -                       | P                     | H             |
|                                                             |                                                                                             | 10580                | 49.68               | -18.62                  | 68.3                        | 47.77                   | 37.55                         | 15.51                  | 51.15                      | -                    | -                       | P                     | V             |
|                                                             |                                                                                             | 15870                | 47.5                | -26.5                   | 74                          | 42.44                   | 40.39                         | 17.95                  | 53.28                      | -                    | -                       | P                     | V             |
| 802.11ax<br>HE80<br>Partial<br>RU484 66<br>CH 58<br>5290MHz |                                                                                             | 10580                | 49.44               | -18.86                  | 68.3                        | 47.53                   | 37.55                         | 15.51                  | 51.15                      | -                    | -                       | P                     | H             |
|                                                             |                                                                                             | 15870                | 46.91               | -27.09                  | 74                          | 41.85                   | 40.39                         | 17.95                  | 53.28                      | -                    | -                       | P                     | H             |
|                                                             |                                                                                             | 10580                | 48.38               | -19.92                  | 68.3                        | 46.47                   | 37.55                         | 15.51                  | 51.15                      | -                    | -                       | P                     | V             |
|                                                             |                                                                                             | 15870                | 47.89               | -26.11                  | 74                          | 42.83                   | 40.39                         | 17.95                  | 53.28                      | -                    | -                       | P                     | V             |
| Remark                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## WIFI 802.11ax HE160 Partial RU (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                          | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE160<br>Partial<br>RU996 67<br>CH 50<br>5250MHz |                                                                                             | 5125.84              | 65.52               | -8.48                   | 74                          | 51.93                   | 33.97                         | 12.15                  | 32.53                      | 242                  | 353                     | P                     | H             |
|                                                              |                                                                                             | 5141.7               | 46                  | -8                      | 54                          | 32.38                   | 34                            | 12.15                  | 32.53                      | 242                  | 353                     | A                     | H             |
|                                                              |                                                                                             | 5250                 | 103.15              | -                       | -                           | 89.22                   | 34.3                          | 12.18                  | 32.55                      | 242                  | 353                     | P                     | H             |
|                                                              |                                                                                             | 5250                 | 96.24               | -                       | -                           | 82.31                   | 34.3                          | 12.18                  | 32.55                      | 242                  | 353                     | A                     | H             |
|                                                              |                                                                                             | 5398.56              | 69.15               | -4.85                   | 74                          | 55.11                   | 34.4                          | 12.22                  | 32.58                      | 242                  | 353                     | P                     | H             |
|                                                              |                                                                                             | 5398.8               | 48.74               | -5.26                   | 54                          | 34.7                    | 34.4                          | 12.22                  | 32.58                      | 242                  | 353                     | A                     | H             |
|                                                              |                                                                                             | 5077.48              | 54.56               | -19.44                  | 74                          | 41.08                   | 33.87                         | 12.13                  | 32.52                      | 100                  | 164                     | P                     | V             |
|                                                              |                                                                                             | 5144.56              | 44.35               | -9.65                   | 54                          | 30.73                   | 34                            | 12.15                  | 32.53                      | 100                  | 164                     | A                     | V             |
|                                                              |                                                                                             | 5250                 | 94.75               | -                       | -                           | 80.82                   | 34.3                          | 12.18                  | 32.55                      | 100                  | 164                     | P                     | V             |
|                                                              |                                                                                             | 5250                 | 87.03               | -                       | -                           | 73.1                    | 34.3                          | 12.18                  | 32.55                      | 100                  | 164                     | A                     | V             |
|                                                              |                                                                                             | 5396.64              | 62.14               | -11.86                  | 74                          | 48.1                    | 34.4                          | 12.22                  | 32.58                      | 100                  | 164                     | P                     | V             |
|                                                              |                                                                                             | 5392.08              | 42.9                | -11.1                   | 54                          | 28.86                   | 34.4                          | 12.22                  | 32.58                      | 100                  | 164                     | A                     | V             |
| Remark                                                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

**WIFI 802.11ax HE160 Partial 996 (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) |
|---------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax            |      | 10500                | 47.54               | -20.76                  | 68.3                        | 45.82                   | 37.5                          | 15.32                  | 51.1                       | -                    | -                       | P                     | H             |
| HE160               |      | 15750                | 47.33               | -26.67                  | 74                          | 42.23                   | 40.28                         | 17.89                  | 53.07                      | -                    | -                       | P                     | H             |
| Partial             |      | 10500                | 47.76               | -20.54                  | 68.3                        | 46.04                   | 37.5                          | 15.32                  | 51.1                       | -                    | -                       | P                     | V             |
| RU996 67            |      |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |
| CH 50               |      | 15750                | 47.74               | -26.26                  | 74                          | 42.64                   | 40.28                         | 17.89                  | 53.07                      | -                    | -                       | P                     | V             |
| 5250MHz             |      |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2C - 5470~5725MHz

## WIFI 802.11ax HE20 Partial RU (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 ) |
| 802.11ax<br>HE20<br>Partial RU<br>CH 100<br>5260MHz |      | 5404.4    | 52.98      | -21.02 | 74         | 38.94    | 34.4     | 12.22  | 32.58  | 376    | 360     | P       | H       |
|                                                     |      | 5460.24   | 52.34      | -15.96 | 68.3       | 38.29    | 34.4     | 12.24  | 32.59  | 376    | 360     | P       | H       |
|                                                     |      | 5459.12   | 42.35      | -11.65 | 54         | 28.3     | 34.4     | 12.24  | 32.59  | 376    | 360     | A       | H       |
|                                                     |      | 5500      | 108.75     | -      | -          | 94.7     | 34.4     | 12.25  | 32.6   | 376    | 360     | P       | H       |
|                                                     |      | 5500      | 102.67     | -      | -          | 88.62    | 34.4     | 12.25  | 32.6   | 376    | 360     | A       | H       |
|                                                     |      | 5408.72   | 52.31      | -21.69 | 74         | 38.27    | 34.4     | 12.22  | 32.58  | 365    | 345     | P       | V       |
|                                                     |      | 5469.52   | 52.27      | -16.03 | 68.3       | 38.22    | 34.4     | 12.24  | 32.59  | 365    | 345     | P       | V       |
|                                                     |      | 5456.88   | 42.28      | -11.72 | 54         | 28.23    | 34.4     | 12.24  | 32.59  | 365    | 345     | A       | V       |
|                                                     |      | 5500      | 104.53     | -      | -          | 90.48    | 34.4     | 12.25  | 32.6   | 365    | 345     | P       | V       |
|                                                     |      | 5500      | 98.42      | -      | -          | 84.37    | 34.4     | 12.25  | 32.6   | 365    | 345     | A       | V       |



| WIFI<br>Ant.<br>1+2                                            | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| <b>802.11ax<br/>HE20<br/>Partial RU<br/>CH 140<br/>5700MHz</b> |                                                                                             | 5700                 | 105.23              | -                       | -                           | 91.14                   | 34.4                          | 12.29                  | 32.6                       | 377                  | 307                     | P                     | H             |
|                                                                |                                                                                             | 5700                 | 99.05               | -                       | -                           | 84.96                   | 34.4                          | 12.29                  | 32.6                       | 377                  | 307                     | A                     | H             |
|                                                                |                                                                                             | 5757.32              | 52.73               | -15.57                  | 68.3                        | 38.46                   | 34.57                         | 12.3                   | 32.6                       | 377                  | 307                     | P                     | H             |
|                                                                |                                                                                             | 5700                 | 102.93              | -                       | -                           | 88.84                   | 34.4                          | 12.29                  | 32.6                       | 358                  | 360                     | P                     | V             |
|                                                                |                                                                                             | 5700                 | 96.76               | -                       | -                           | 82.67                   | 34.4                          | 12.29                  | 32.6                       | 358                  | 360                     | A                     | V             |
|                                                                |                                                                                             | 5752.04              | 53.84               | -14.46                  | 68.3                        | 39.57                   | 34.57                         | 12.3                   | 32.6                       | 358                  | 360                     | P                     | V             |
| <b>Remark</b>                                                  | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2C 5470~5725MHz

## WIFI 802.11ax HE20 Partial 26 (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) |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE20<br>Partial RU<br>CH 100<br>5500MHz |                                                                                             | 11000                | 46.96               | -27.04                  | 74                          | 44.07                   | 37.8                          | 16.49                  | 51.4                       | -                    | -                       | P                     | H             |
|                                                     |                                                                                             | 16500                | 50.33               | -17.97                  | 68.3                        | 43.52                   | 41.31                         | 18.2                   | 52.7                       | -                    | -                       | P                     | H             |
|                                                     |                                                                                             | 11000                | 47.96               | -26.04                  | 74                          | 45.07                   | 37.8                          | 16.49                  | 51.4                       | -                    | -                       | P                     | V             |
|                                                     |                                                                                             | 16500                | 49.86               | -18.44                  | 68.3                        | 43.05                   | 41.31                         | 18.2                   | 52.7                       | -                    | -                       | P                     | V             |
| 802.11ax<br>HE20<br>Partial RU<br>CH 140<br>5700MHz |                                                                                             | 11400                | 47.22               | -26.78                  | 74                          | 43.65                   | 38.13                         | 16.52                  | 51.08                      | -                    | -                       | P                     | H             |
|                                                     |                                                                                             | 17100                | 49.53               | -18.77                  | 68.3                        | 42.64                   | 42                            | 18.41                  | 53.52                      | -                    | -                       | P                     | H             |
|                                                     |                                                                                             | 11400                | 47.92               | -26.08                  | 74                          | 44.35                   | 38.13                         | 16.52                  | 51.08                      | -                    | -                       | P                     | V             |
|                                                     |                                                                                             | 17100                | 48.87               | -19.43                  | 68.3                        | 41.98                   | 42                            | 18.41                  | 53.52                      | -                    | -                       | P                     | V             |
| Remark                                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2C 5470~5725MHz

## WIFI 802.11ax HE40 Partial RU (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>Partial RU<br>CH 102<br>5510MHz |                                                                                             | 5454.64              | 52.85               | -21.15                  | 74                          | 38.8                    | 34.4                          | 12.24                  | 32.59                      | 394                  | 357                     | P                     | H             |
|                                                     |                                                                                             | 5470                 | 54.93               | -13.37                  | 68.3                        | 40.88                   | 34.4                          | 12.24                  | 32.59                      | 394                  | 357                     | P                     | H             |
|                                                     |                                                                                             | 5459.68              | 42.82               | -11.18                  | 54                          | 28.77                   | 34.4                          | 12.24                  | 32.59                      | 394                  | 357                     | A                     | H             |
|                                                     |                                                                                             | 5510                 | 106.68              | -                       | -                           | 92.63                   | 34.4                          | 12.25                  | 32.6                       | 394                  | 357                     | P                     | H             |
|                                                     |                                                                                             | 5510                 | 100.57              | -                       | -                           | 86.52                   | 34.4                          | 12.25                  | 32.6                       | 394                  | 357                     | A                     | H             |
|                                                     |                                                                                             | 5765                 | 52.63               | -15.67                  | 68.3                        | 38.36                   | 34.57                         | 12.3                   | 32.6                       | 394                  | 357                     | P                     | H             |
|                                                     |                                                                                             | 5459.44              | 53.46               | -20.54                  | 74                          | 39.41                   | 34.4                          | 12.24                  | 32.59                      | 383                  | 350                     | P                     | V             |
|                                                     |                                                                                             | 5461.84              | 53.24               | -15.06                  | 68.3                        | 39.19                   | 34.4                          | 12.24                  | 32.59                      | 383                  | 350                     | P                     | V             |
|                                                     |                                                                                             | 5458.48              | 42.28               | -11.72                  | 54                          | 28.23                   | 34.4                          | 12.24                  | 32.59                      | 383                  | 350                     | A                     | V             |
|                                                     |                                                                                             | 5510                 | 103.84              | -                       | -                           | 89.79                   | 34.4                          | 12.25                  | 32.6                       | 383                  | 350                     | P                     | V             |
|                                                     |                                                                                             | 5510                 | 97.69               | -                       | -                           | 83.64                   | 34.4                          | 12.25                  | 32.6                       | 383                  | 350                     | A                     | V             |
|                                                     |                                                                                             | 5727.2               | 53.29               | -15.01                  | 68.3                        | 39.12                   | 34.47                         | 12.3                   | 32.6                       | 383                  | 350                     | P                     | V             |
| Remark                                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



| 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) |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>Partial RU<br>CH 134<br>5670MHz |                                                                                             | 5430.15              | 52.54               | -21.46                  | 74                          | 38.5                    | 34.4                          | 12.23                  | 32.59                      | 386                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5463.05              | 51.13               | -17.17                  | 68.3                        | 37.08                   | 34.4                          | 12.24                  | 32.59                      | 386                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5458.15              | 42.35               | -11.65                  | 54                          | 28.3                    | 34.4                          | 12.24                  | 32.59                      | 386                  | 360                     | A                     | H             |
|                                                     |                                                                                             | 5670                 | 104.44              | -                       | -                           | 90.36                   | 34.4                          | 12.28                  | 32.6                       | 386                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5670                 | 98.33               | -                       | -                           | 84.25                   | 34.4                          | 12.28                  | 32.6                       | 386                  | 360                     | A                     | H             |
|                                                     |                                                                                             | 5756.775             | 52.63               | -15.67                  | 68.3                        | 38.36                   | 34.57                         | 12.3                   | 32.6                       | 386                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5459.55              | 52.45               | -21.55                  | 74                          | 38.4                    | 34.4                          | 12.24                  | 32.59                      | 394                  | 319                     | P                     | V             |
|                                                     |                                                                                             | 5460.6               | 51.56               | -16.74                  | 68.3                        | 37.51                   | 34.4                          | 12.24                  | 32.59                      | 394                  | 319                     | P                     | V             |
|                                                     |                                                                                             | 5457.45              | 42.22               | -11.78                  | 54                          | 28.17                   | 34.4                          | 12.24                  | 32.59                      | 394                  | 319                     | A                     | V             |
|                                                     |                                                                                             | 5670                 | 101.57              | -                       | -                           | 87.49                   | 34.4                          | 12.28                  | 32.6                       | 394                  | 319                     | P                     | V             |
|                                                     |                                                                                             | 5670                 | 95.4                | -                       | -                           | 81.32                   | 34.4                          | 12.28                  | 32.6                       | 394                  | 319                     | A                     | V             |
|                                                     |                                                                                             | 5725.275             | 53.17               | -15.13                  | 68.3                        | 39                      | 34.47                         | 12.3                   | 32.6                       | 394                  | 319                     | P                     | V             |
| Remark                                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2C 5470~5725MHz

## WIFI 802.11ax HE40 Partial 242 (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) |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE40<br>Partial RU<br>CH 102<br>5510MHz |                                                                                             | 11020                | 47.2                | -26.8                   | 74                          | 44.29                   | 37.81                         | 16.49                  | 51.39                      | -                    | -                       | P                     | H             |
|                                                     |                                                                                             | 16530                | 49.5                | -18.8                   | 68.3                        | 42.68                   | 41.37                         | 18.21                  | 52.76                      | -                    | -                       | P                     | H             |
|                                                     |                                                                                             | 11020                | 46.52               | -27.48                  | 74                          | 43.61                   | 37.81                         | 16.49                  | 51.39                      | -                    | -                       | P                     | V             |
|                                                     |                                                                                             | 16530                | 48.44               | -19.86                  | 68.3                        | 41.62                   | 41.37                         | 18.21                  | 52.76                      | -                    | -                       | P                     | V             |
| 802.11ax<br>HE40<br>Partial RU<br>CH 134<br>5670MHz |                                                                                             | 11340                | 47.38               | -26.62                  | 74                          | 43.92                   | 38.07                         | 16.52                  | 51.13                      | -                    | -                       | P                     | H             |
|                                                     |                                                                                             | 17010                | 49.01               | -19.29                  | 68.3                        | 42.15                   | 42.08                         | 18.37                  | 53.59                      | -                    | -                       | P                     | H             |
|                                                     |                                                                                             | 11340                | 47.01               | -26.99                  | 74                          | 43.55                   | 38.07                         | 16.52                  | 51.13                      | -                    | -                       | P                     | V             |
|                                                     |                                                                                             | 17010                | 49.15               | -19.15                  | 68.3                        | 42.29                   | 42.08                         | 18.37                  | 53.59                      | -                    | -                       | P                     | V             |
| Remark                                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



## U-NII-2C 5470~5725MHz

## WIFI 802.11ax HE80 Partial RU (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                 | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>Partial RU<br>CH 106<br>5530MHz |                                                                                             | 5453.44              | 57.07               | -16.93                  | 74                          | 43.02                   | 34.4                          | 12.24                  | 32.59                      | 374                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5465.44              | 62.17               | -6.13                   | 68.3                        | 48.12                   | 34.4                          | 12.24                  | 32.59                      | 374                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5459.92              | 43.42               | -10.58                  | 54                          | 29.37                   | 34.4                          | 12.24                  | 32.59                      | 374                  | 360                     | A                     | H             |
|                                                     |                                                                                             | 5530                 | 104.69              | -                       | -                           | 90.66                   | 34.37                         | 12.26                  | 32.6                       | 374                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5530                 | 98.55               | -                       | -                           | 84.52                   | 34.37                         | 12.26                  | 32.6                       | 374                  | 360                     | A                     | H             |
|                                                     |                                                                                             | 5757.44              | 53.52               | -14.78                  | 68.3                        | 39.25                   | 34.57                         | 12.3                   | 32.6                       | 374                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5423.92              | 52.88               | -21.12                  | 74                          | 38.83                   | 34.4                          | 12.23                  | 32.58                      | 379                  | 239                     | P                     | V             |
|                                                     |                                                                                             | 5469.04              | 52.93               | -15.37                  | 68.3                        | 38.88                   | 34.4                          | 12.24                  | 32.59                      | 379                  | 239                     | P                     | V             |
|                                                     |                                                                                             | 5459.2               | 42.36               | -11.64                  | 54                          | 28.31                   | 34.4                          | 12.24                  | 32.59                      | 379                  | 239                     | A                     | V             |
|                                                     |                                                                                             | 5530                 | 96.91               | -                       | -                           | 82.88                   | 34.37                         | 12.26                  | 32.6                       | 379                  | 239                     | P                     | V             |
|                                                     |                                                                                             | 5530                 | 90.61               | -                       | -                           | 76.58                   | 34.37                         | 12.26                  | 32.6                       | 379                  | 239                     | A                     | V             |
|                                                     |                                                                                             | 5740.43              | 53.37               | -14.93                  | 68.3                        | 39.17                   | 34.5                          | 12.3                   | 32.6                       | 379                  | 239                     | P                     | V             |
| Remark                                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



| 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) |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE80<br>Partial RU<br>CH 122<br>5610MHz |                                                                                             | 5405.2               | 53.89               | -20.11                  | 74                          | 39.85                   | 34.4                          | 12.22                  | 32.58                      | 374                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5462.56              | 52.89               | -15.41                  | 68.3                        | 38.84                   | 34.4                          | 12.24                  | 32.59                      | 374                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5459.92              | 42.73               | -11.27                  | 54                          | 28.68                   | 34.4                          | 12.24                  | 32.59                      | 374                  | 360                     | A                     | H             |
|                                                     |                                                                                             | 5610                 | 105.15              | -                       | -                           | 91.18                   | 34.3                          | 12.27                  | 32.6                       | 374                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5610                 | 98.73               | -                       | -                           | 84.76                   | 34.3                          | 12.27                  | 32.6                       | 374                  | 360                     | A                     | H             |
|                                                     |                                                                                             | 5751.35              | 53.01               | -15.29                  | 68.3                        | 38.81                   | 34.5                          | 12.3                   | 32.6                       | 374                  | 360                     | P                     | H             |
|                                                     |                                                                                             | 5428.48              | 53.12               | -20.88                  | 74                          | 39.08                   | 34.4                          | 12.23                  | 32.59                      | 379                  | 339                     | P                     | V             |
|                                                     |                                                                                             | 5469.04              | 51.57               | -16.73                  | 68.3                        | 37.52                   | 34.4                          | 12.24                  | 32.59                      | 379                  | 339                     | P                     | V             |
|                                                     |                                                                                             | 5458.96              | 42.23               | -11.77                  | 54                          | 28.18                   | 34.4                          | 12.24                  | 32.59                      | 379                  | 339                     | A                     | V             |
|                                                     |                                                                                             | 5610                 | 102.22              | -                       | -                           | 88.25                   | 34.3                          | 12.27                  | 32.6                       | 379                  | 339                     | P                     | V             |
|                                                     |                                                                                             | 5610                 | 96.13               | -                       | -                           | 82.16                   | 34.3                          | 12.27                  | 32.6                       | 379                  | 339                     | A                     | V             |
|                                                     |                                                                                             | 5748.025             | 54.68               | -13.62                  | 68.3                        | 40.48                   | 34.5                          | 12.3                   | 32.6                       | 379                  | 339                     | P                     | V             |
| Remark                                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |

**U-NII-2C 5470~5725MHz****WIFI 802.11ax HE80 Partial RU (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) |
|---------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax            |                                                                                             | 11060                | 47.17               | -26.83                  | 74                          | 44.18                   | 37.85                         | 16.49                  | 51.35                      | -                    | -                       | P                     | H             |
| HE80                |                                                                                             | 16590                | 49.51               | -18.79                  | 68.3                        | 42.69                   | 41.45                         | 18.23                  | 52.86                      | -                    | -                       | P                     | H             |
| Partial RU          |                                                                                             | 11060                | 46.97               | -27.03                  | 74                          | 43.98                   | 37.85                         | 16.49                  | 51.35                      | -                    | -                       | P                     | V             |
| CH 106<br>5530MHz   |                                                                                             | 16590                | 48.69               | -19.61                  | 68.3                        | 41.87                   | 41.45                         | 18.23                  | 52.86                      | -                    | -                       | P                     | V             |
| Remark              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                         |                               |                        |                            |                      |                         |                       |               |



| 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) |
| 802.11ax   |                                                                                             | 11220     | 47.3       | -26.7  | 74         | 44.04  | 37.98    | 16.51  | 51.23  | -      | -       | P     | H     |
| HE80       |                                                                                             | 16830     | 49.07      | -19.23 | 68.3       | 42.22  | 41.83    | 18.31  | 53.29  | -      | -       | P     | H     |
| Partial RU |                                                                                             | 11220     | 47.58      | -26.42 | 74         | 44.32  | 37.98    | 16.51  | 51.23  | -      | -       | P     | V     |
| CH 122     |                                                                                             | 16830     | 48.08      | -20.22 | 68.3       | 41.23  | 41.83    | 18.31  | 53.29  | -      | -       | P     | V     |
| 5610MHz    |                                                                                             |           |            |        |            |        |          |        |        |        |         |       |       |
| Remark     | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |        |          |        |        |        |         |       |       |



## WIFI 802.11ax HE160 Partial RU (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                  | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>( dB/m ) | Path<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>(P/A) | Pol.<br>(H/V) |
|------------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax<br>HE160<br>Partial RU<br>CH 114<br>5570MHz |      | 5437.6               | 67.19               | -6.81                   | 74                          | 53.15                   | 34.4                          | 12.23                  | 32.59                      | 237                  | 360                     | P                     | H             |
|                                                      |      | 5460                 | 64.63               | -3.67                   | 68.3                        | 50.58                   | 34.4                          | 12.24                  | 32.59                      | 237                  | 360                     | P                     | H             |
|                                                      |      | 5459.2               | 49.36               | -4.64                   | 54                          | 35.31                   | 34.4                          | 12.24                  | 32.59                      | 237                  | 360                     | A                     | H             |
|                                                      |      | 5570                 | 102.63              | -                       | -                           | 88.67                   | 34.3                          | 12.26                  | 32.6                       | 237                  | 360                     | P                     | H             |
|                                                      |      | 5570                 | 94.53               | -                       | -                           | 80.57                   | 34.3                          | 12.26                  | 32.6                       | 237                  | 360                     | A                     | H             |
|                                                      |      | 5726.885             | 62.14               | -6.16                   | 68.3                        | 47.97                   | 34.47                         | 12.3                   | 32.6                       | 237                  | 360                     | P                     | H             |
|                                                      |      | 5409.04              | 52.73               | -21.27                  | 74                          | 38.69                   | 34.4                          | 12.22                  | 32.58                      | 100                  | 164                     | P                     | V             |
|                                                      |      | 5464.48              | 53.92               | -14.38                  | 68.3                        | 39.87                   | 34.4                          | 12.24                  | 32.59                      | 100                  | 164                     | P                     | V             |
|                                                      |      | 5457.52              | 43.62               | -10.38                  | 54                          | 29.57                   | 34.4                          | 12.24                  | 32.59                      | 100                  | 164                     | A                     | V             |
|                                                      |      | 5570                 | 94.69               | -                       | -                           | 80.73                   | 34.3                          | 12.26                  | 32.6                       | 100                  | 164                     | P                     | V             |
|                                                      |      | 5570                 | 86.85               | -                       | -                           | 72.89                   | 34.3                          | 12.26                  | 32.6                       | 100                  | 164                     | A                     | V             |
|                                                      |      | 5728.145             | 59.66               | -8.64                   | 68.3                        | 45.49                   | 34.47                         | 12.3                   | 32.6                       | 100                  | 164                     | P                     | V             |

**WIFI 802.11ax HE160 Partial RU (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) |
|---------------------|------|----------------------|---------------------|-------------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| 802.11ax            |      | 11140                | 47.01               | -26.99                  | 74                          | 43.89                   | 37.91                         | 16.5                   | 51.29                      | -                    | -                       | P                     | H             |
| HE160               |      | 16710                | 49.61               | -18.69                  | 68.3                        | 42.77                   | 41.64                         | 18.27                  | 53.07                      | -                    | -                       | P                     | H             |
| Partial RU          |      | 11140                | 47.84               | -26.16                  | 74                          | 44.72                   | 37.91                         | 16.5                   | 51.29                      | -                    | -                       | P                     | V             |
| CH 114<br>5570MHz   |      | 16710                | 48.5                | -19.8                   | 68.3                        | 41.66                   | 41.64                         | 18.27                  | 53.07                      | -                    | -                       | P                     | V             |



Co-location:

**U-NII-2A 5250~5350MHz**  
**WIFI 802.11ax HE40 Full (Band Edge @ 3m)**

| WIFI<br>Ant.<br>1+2                                         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<br>Loss<br>( dB ) | Preamp<br>Factor<br>( dB ) | Ant<br>Pos<br>( cm ) | Table<br>Pos<br>( deg ) | Peak<br>Avg.<br>( P/A ) | Pol.<br>( H/V ) |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| <b>802.11ax40<br/>_Tx_Ch62+<br/>LTE<br/>Band48<br/>Link</b> | *                                                                                           | 5113.75              | 53.16               | -20.84                  | 74                          | 39.61                     | 33.93                         | 12.14                   | 32.52                      | 246                  | 349                     | P                       | H               |
|                                                             | *                                                                                           | 5148.05              | 43.88               | -10.12                  | 54                          | 30.26                     | 34                            | 12.15                   | 32.53                      | 246                  | 349                     | A                       | H               |
|                                                             |                                                                                             | 5310                 | 104.92              | -                       | -                           | 90.88                     | 34.4                          | 12.2                    | 32.56                      | 246                  | 349                     | P                       | H               |
|                                                             |                                                                                             | 5310                 | 98.53               | -                       | -                           | 84.49                     | 34.4                          | 12.2                    | 32.56                      | 246                  | 349                     | A                       | H               |
|                                                             |                                                                                             | 5351.28              | 55.22               | -18.78                  | 74                          | 41.18                     | 34.4                          | 12.21                   | 32.57                      | 246                  | 349                     | P                       | H               |
|                                                             |                                                                                             | 5350.08              | 47.51               | -6.49                   | 54                          | 33.47                     | 34.4                          | 12.21                   | 32.57                      | 246                  | 349                     | A                       | H               |
|                                                             | *                                                                                           | 5109.9               | 53.19               | -20.81                  | 74                          | 39.64                     | 33.93                         | 12.14                   | 32.52                      | 100                  | 6                       | P                       | V               |
|                                                             | *                                                                                           | 5126.35              | 43.71               | -10.29                  | 54                          | 30.12                     | 33.97                         | 12.15                   | 32.53                      | 100                  | 6                       | A                       | V               |
|                                                             |                                                                                             | 5310                 | 102.88              | -                       | -                           | 88.84                     | 34.4                          | 12.2                    | 32.56                      | 100                  | 6                       | P                       | V               |
|                                                             |                                                                                             | 5310                 | 95.42               | -                       | -                           | 81.38                     | 34.4                          | 12.2                    | 32.56                      | 100                  | 6                       | A                       | V               |
|                                                             |                                                                                             | 5454                 | 51.83               | -22.17                  | 74                          | 37.78                     | 34.4                          | 12.24                   | 32.59                      | 100                  | 6                       | P                       | V               |
|                                                             |                                                                                             | 5350.08              | 43.84               | -10.16                  | 54                          | 29.8                      | 34.4                          | 12.21                   | 32.57                      | 100                  | 6                       | A                       | V               |
| <b>Remark</b>                                               | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## 2.4GHz 2400~2483.5MHz

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

| WIFI                                                              | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | 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 ) |
| 802.11n40<br>Tx_Ch03+1<br>1ax40_Tx_<br>Ch62+LTE<br>Band48<br>Link | *                                                                                           | 2389.8    | 57.95      | -16.05 | 74         | 49.01    | 32       | 9.64   | 32.7   | 189    | 39      | P       | H       |
|                                                                   | *                                                                                           | 2389.94   | 47.56      | -6.44  | 54         | 38.62    | 32       | 9.64   | 32.7   | 189    | 39      | A       | H       |
|                                                                   |                                                                                             | 2422      | 109.43     | -      | 74         | 100.25   | 32.2     | 9.68   | 32.7   | 189    | 39      | P       | H       |
|                                                                   |                                                                                             | 2422      | 101.47     | -      | 54         | 92.29    | 32.2     | 9.68   | 32.7   | 189    | 39      | A       | H       |
|                                                                   |                                                                                             | 2493.28   | 55.74      | -18.26 | 74         | 46.58    | 32.1     | 9.76   | 32.7   | 189    | 39      | P       | H       |
|                                                                   |                                                                                             | 2483.97   | 44.5       | -9.5   | 54         | 35.28    | 32.17    | 9.75   | 32.7   | 189    | 39      | A       | H       |
|                                                                   | *                                                                                           | 2341.08   | 55.73      | -18.27 | 74         | 46.75    | 32.1     | 9.58   | 32.7   | 192    | 279     | P       | V       |
|                                                                   | *                                                                                           | 2387.28   | 45.9       | -8.1   | 54         | 36.97    | 32       | 9.63   | 32.7   | 192    | 279     | A       | V       |
|                                                                   |                                                                                             | 2422      | 110.22     | -      | 74         | 101.04   | 32.2     | 9.68   | 32.7   | 192    | 279     | P       | V       |
|                                                                   |                                                                                             | 2422      | 101.2      | -      | 54         | 92.02    | 32.2     | 9.68   | 32.7   | 192    | 279     | A       | V       |
|                                                                   |                                                                                             | 2489.43   | 56.33      | -17.67 | 74         | 47.17    | 32.1     | 9.76   | 32.7   | 192    | 279     | P       | V       |
|                                                                   |                                                                                             | 2483.55   | 44.74      | -9.26  | 54         | 35.52    | 32.17    | 9.75   | 32.7   | 192    | 279     | A       | V       |
| Remark                                                            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |



## U-NII-2A 5250~5350MHz

## WIFI 802.11ax HE40 Full (Band Edge @ 3m)

| WIFI<br>Ant.<br>1+2                                                                         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Over<br>Limit<br>( dB ) | Limit<br>Line<br>( dBμV/m ) | Read<br>Level<br>( dBμV ) | Antenna<br>Factor<br>( dB/m ) | Cable<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 ) |
|---------------------------------------------------------------------------------------------|------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n40<br>Tx_Ch03+1<br>1ax40_Tx<br>Ch62+LTE<br>Band48<br>Link                            | *    | 5144.2               | 52.76               | -21.24                  | 74                          | 39.14                     | 34                            | 12.15                   | 32.53                      | 100                  | 350                     | P                       | H               |
|                                                                                             | *    | 5122.5               | 43.59               | -10.41                  | 54                          | 30.05                     | 33.93                         | 12.14                   | 32.53                      | 100                  | 350                     | A                       | H               |
|                                                                                             |      | 5310                 | 105.55              | -                       | -                           | 91.51                     | 34.4                          | 12.2                    | 32.56                      | 100                  | 350                     | P                       | H               |
|                                                                                             |      | 5310                 | 98.32               | -                       | -                           | 84.28                     | 34.4                          | 12.2                    | 32.56                      | 100                  | 350                     | A                       | H               |
|                                                                                             |      | 5356.56              | 57.11               | -16.89                  | 74                          | 43.07                     | 34.4                          | 12.21                   | 32.57                      | 100                  | 350                     | P                       | H               |
|                                                                                             |      | 5350.08              | 47.81               | -6.19                   | 54                          | 33.77                     | 34.4                          | 12.21                   | 32.57                      | 100                  | 350                     | A                       | H               |
|                                                                                             | *    | 5039.9               | 53.32               | -20.68                  | 74                          | 39.91                     | 33.8                          | 12.12                   | 32.51                      | 100                  | 0                       | P                       | V               |
|                                                                                             | *    | 5122.85              | 43.59               | -10.41                  | 54                          | 30.01                     | 33.97                         | 12.14                   | 32.53                      | 100                  | 0                       | A                       | V               |
|                                                                                             |      | 5310                 | 103.69              | -                       | -                           | 89.65                     | 34.4                          | 12.2                    | 32.56                      | 100                  | 0                       | P                       | V               |
|                                                                                             |      | 5310                 | 95.45               | -                       | -                           | 81.41                     | 34.4                          | 12.2                    | 32.56                      | 100                  | 0                       | A                       | V               |
| Remark                                                                                      |      | 5350.8               | 52.97               | -21.03                  | 74                          | 38.93                     | 34.4                          | 12.21                   | 32.57                      | 100                  | 0                       | P                       | V               |
|                                                                                             |      | 5350.08              | 46.19               | -7.81                   | 54                          | 32.15                     | 34.4                          | 12.21                   | 32.57                      | 100                  | 0                       | A                       | V               |
| 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |      |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## U-NII-2A 5250~5350MHz

## WIFI 802.11ax HE40 Full (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 ) | Cable<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 ) |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|-------------------------|-----------------------------|---------------------------|-------------------------------|-------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| 802.11n40_<br>Tx_Ch03+1<br>1ax40_Tx_<br>Ch62+LTE<br>Band48<br>Link | *                                                                                           | 7332                 | 45.99               | -28.01                  | 74                          | 47.81                     | 35.77                         | 14.18                   | 51.77                      | -                    | -                       | P                       | H               |
|                                                                    | *                                                                                           | 10620                | 47.36               | -26.64                  | 74                          | 45.36                     | 37.57                         | 15.6                    | 51.17                      | -                    | -                       | A                       | H               |
|                                                                    |                                                                                             | 10998                | 47.55               | -26.45                  | 74                          | 44.66                     | 37.8                          | 16.49                   | 51.4                       | -                    | -                       | P                       | H               |
|                                                                    |                                                                                             | 14664                | 46.16               | -22.14                  | 68.3                        | 41.96                     | 39.26                         | 17.34                   | 52.4                       | -                    | -                       | A                       | H               |
|                                                                    |                                                                                             | 15930                | 47.32               | -26.68                  | 74                          | 42.27                     | 40.44                         | 17.99                   | 53.38                      | -                    | -                       | P                       | H               |
|                                                                    | *                                                                                           | 7332                 | 47.14               | -26.86                  | 74                          | 48.96                     | 35.77                         | 14.18                   | 51.77                      | -                    | -                       | P                       | V               |
|                                                                    | *                                                                                           | 10620                | 47.52               | -26.48                  | 74                          | 45.52                     | 37.57                         | 15.6                    | 51.17                      | -                    | -                       | A                       | V               |
|                                                                    |                                                                                             | 10998                | 47.83               | -26.17                  | 74                          | 44.94                     | 37.8                          | 16.49                   | 51.4                       | -                    | -                       | P                       | V               |
|                                                                    |                                                                                             | 14664                | 46.86               | -21.44                  | 68.3                        | 42.66                     | 39.26                         | 17.34                   | 52.4                       | -                    | -                       | A                       | V               |
|                                                                    |                                                                                             | 15930                | 46.7                | -27.3                   | 74                          | 41.65                     | 40.44                         | 17.99                   | 53.38                      | -                    | -                       | P                       | V               |
| Remark                                                             | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                         |                             |                           |                               |                         |                            |                      |                         |                         |                 |



## 2.4GHz 2400~2483.5MHz

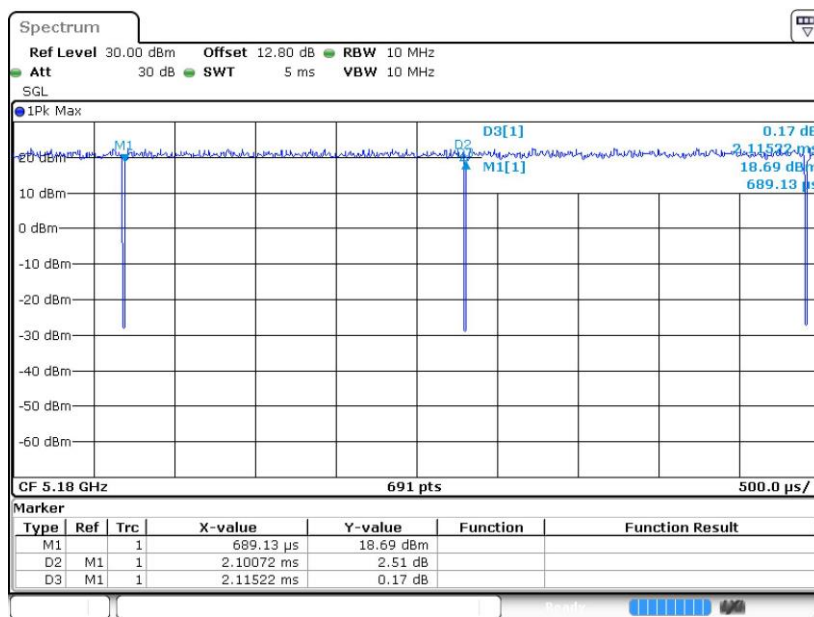
## WIFI 802.11n HT40 (Harmonic @ 3m)

| WIFI                                                              | Note                                                                                        | Frequency | Level      | Over   | Limit      | Read     | Antenna  | Cable  | 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 ) |
| 802.11n40<br>Tx_Ch03+1<br>1ax40_Tx_<br>Ch62+LTE<br>Band48<br>Link |                                                                                             | 4844      | 44.51      | -29.49 | 74         | 50.8     | 33.8     | 12.03  | 52.12  | -      | -       | P       | H       |
|                                                                   |                                                                                             | 7266      | 47.13      | -26.87 | 74         | 49.05    | 35.76    | 14.14  | 51.82  | -      | -       | P       | H       |
|                                                                   |                                                                                             | 7332      | 45.82      | -28.18 | 74         | 47.64    | 35.77    | 14.18  | 51.77  | -      | -       | P       | H       |
|                                                                   |                                                                                             | 10620     | 47.07      | -26.93 | 74         | 45.07    | 37.57    | 15.6   | 51.17  | -      | -       | P       | H       |
|                                                                   |                                                                                             | 10998     | 47.56      | -26.44 | 74         | 44.67    | 37.8     | 16.49  | 51.4   | -      | -       | P       | H       |
|                                                                   |                                                                                             | 14664     | 47.61      | -20.69 | 68.3       | 43.41    | 39.26    | 17.34  | 52.4   | -      | -       | P       | H       |
|                                                                   |                                                                                             | 15930     | 47.13      | -26.87 | 74         | 42.08    | 40.44    | 17.99  | 53.38  | -      | -       | P       | H       |
|                                                                   |                                                                                             | 4844      | 44.91      | -29.09 | 74         | 51.2     | 33.8     | 12.03  | 52.12  | -      | -       | P       | V       |
|                                                                   |                                                                                             | 7266      | 47.64      | -26.36 | 74         | 49.56    | 35.76    | 14.14  | 51.82  | -      | -       | P       | V       |
|                                                                   |                                                                                             | 7332      | 45.76      | -28.24 | 74         | 47.58    | 35.77    | 14.18  | 51.77  | -      | -       | P       | V       |
|                                                                   |                                                                                             | 10620     | 47.91      | -26.09 | 74         | 45.91    | 37.57    | 15.6   | 51.17  | -      | -       | P       | V       |
|                                                                   |                                                                                             | 10998     | 47.37      | -26.63 | 74         | 44.48    | 37.8     | 16.49  | 51.4   | -      | -       | P       | V       |
|                                                                   |                                                                                             | 14664     | 47.17      | -21.13 | 68.3       | 42.97    | 39.26    | 17.34  | 52.4   | -      | -       | P       | V       |
|                                                                   |                                                                                             | 15930     | 47.29      | -26.71 | 74         | 42.24    | 40.44    | 17.99  | 53.38  | -      | -       | P       | V       |
| Remark                                                            | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |           |            |        |            |          |          |        |        |        |         |         |         |

## Appendix D. Duty Cycle Plots

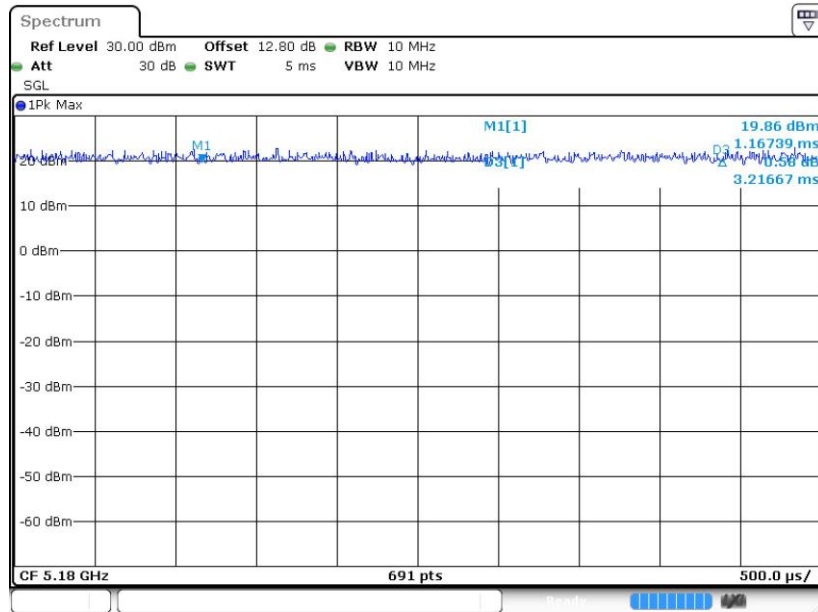
| Band            | Duty Cycle(%) | T(ms) | 1/T(kHz) | VBW Setting |
|-----------------|---------------|-------|----------|-------------|
| 802.11a         | 99.31         | -     | -        | 10Hz        |
| 802.11n HT20    | 100           | -     | -        | 10Hz        |
| 802.11n HT40    | 100           | -     | -        | 10Hz        |
| 802.11ac VHT80  | 100           | -     | -        | 10Hz        |
| 802.11ac VHT160 | 100           | -     | -        | 10Hz        |
| 802.11ax HE20   | 100           | -     | -        | 10Hz        |
| 802.11ax HE40   | 100           | -     | -        | 10Hz        |
| 802.11ax HE80   | 100           | -     | -        | 10Hz        |
| 802.11ax HE160  | 100           | -     | -        | 10Hz        |

### 802.11a



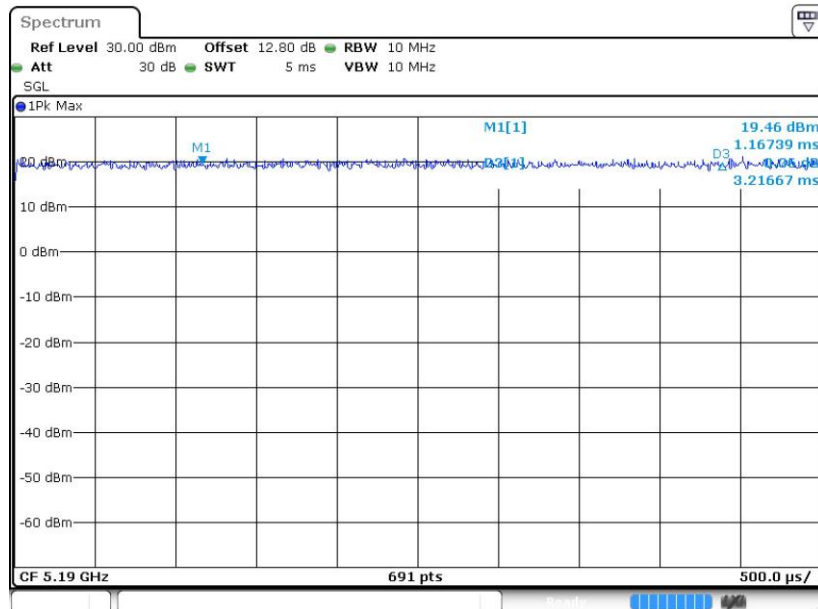
Date: 29.OCT.2021 15:58:05

### 802.11n HT20



Date: 29.OCT.2021 15:55:09

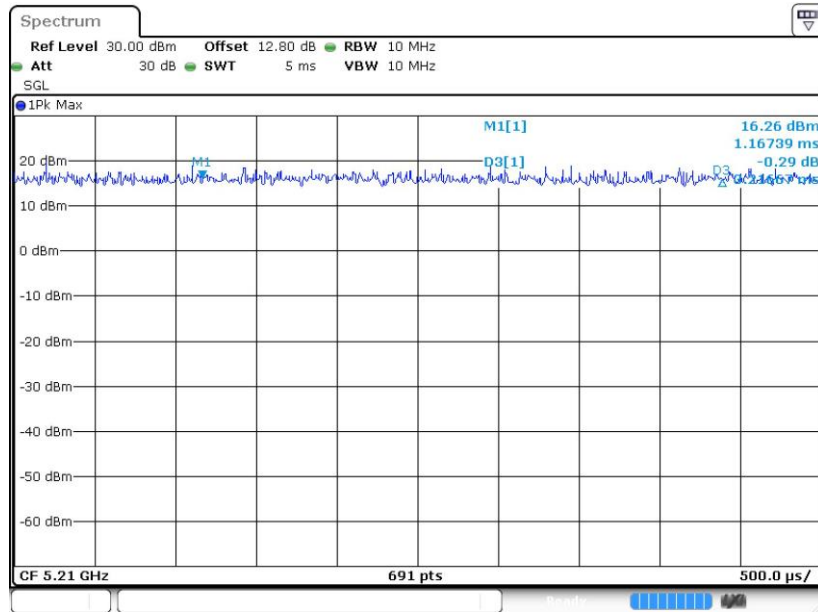
### 802.11n HT40



Date: 29.OCT.2021 15:54:02

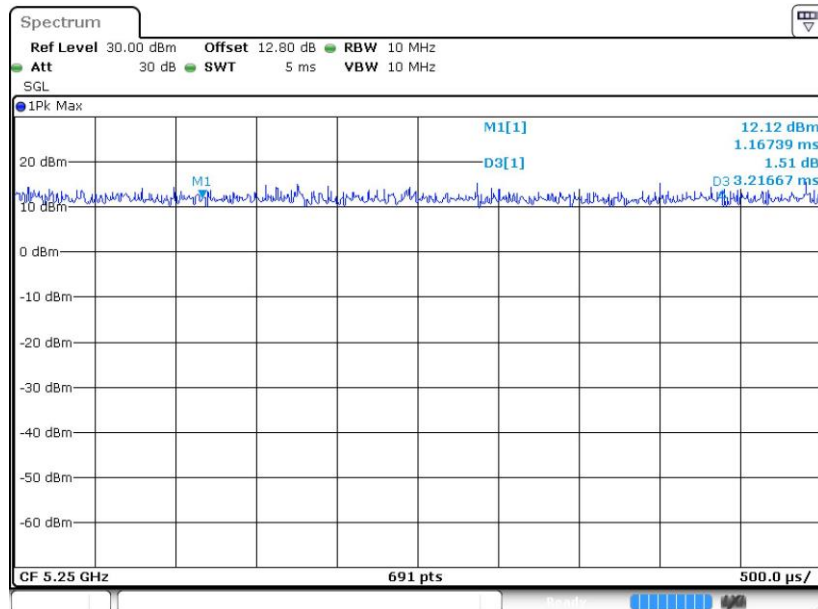


### 802.11ac VHT80



Date: 29.OCT.2021 15:51:06

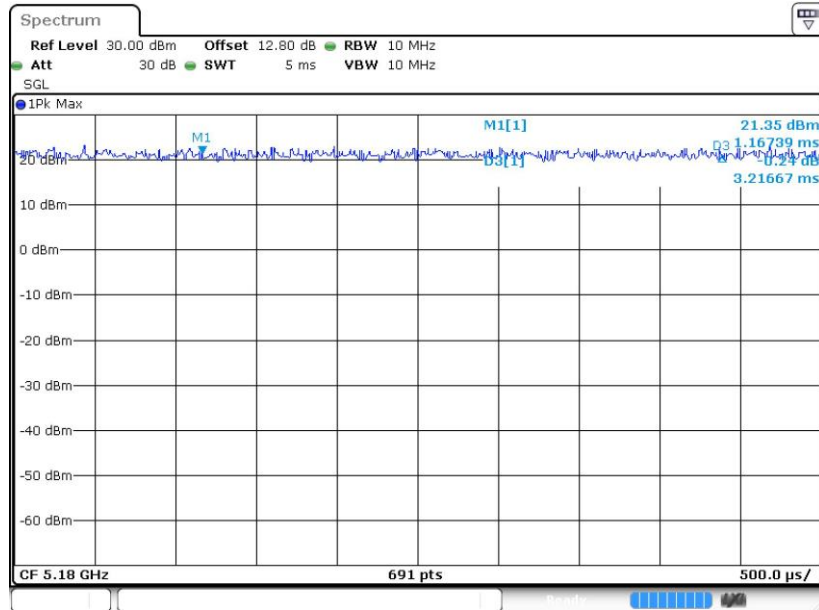
### 802.11ac VHT160



Date: 29.OCT.2021 15:48:17

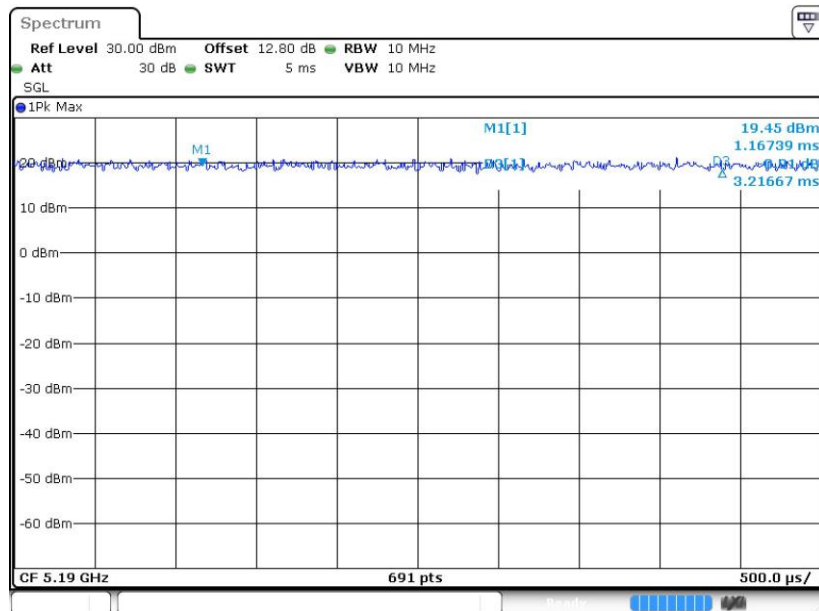


802.11ax HE20



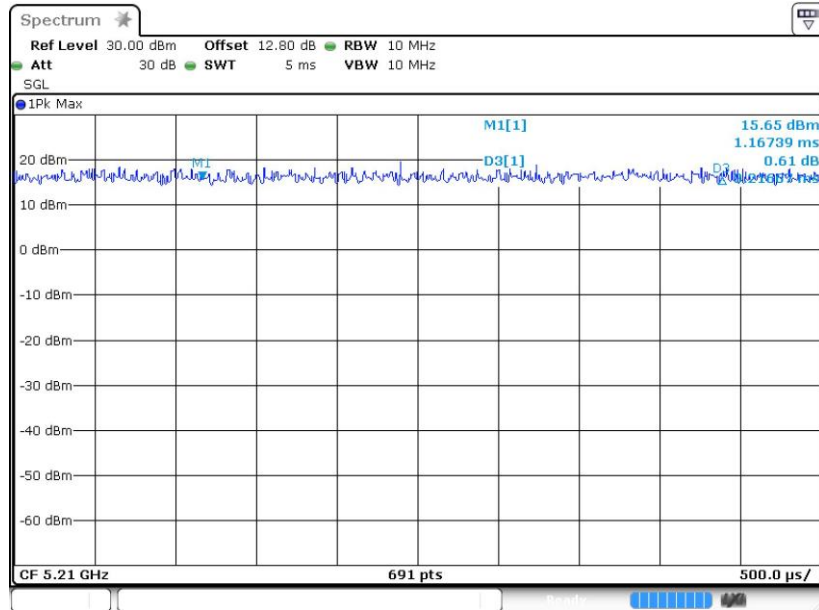
Date: 29.OCT.2021 15:57:05

802.11ax HE40



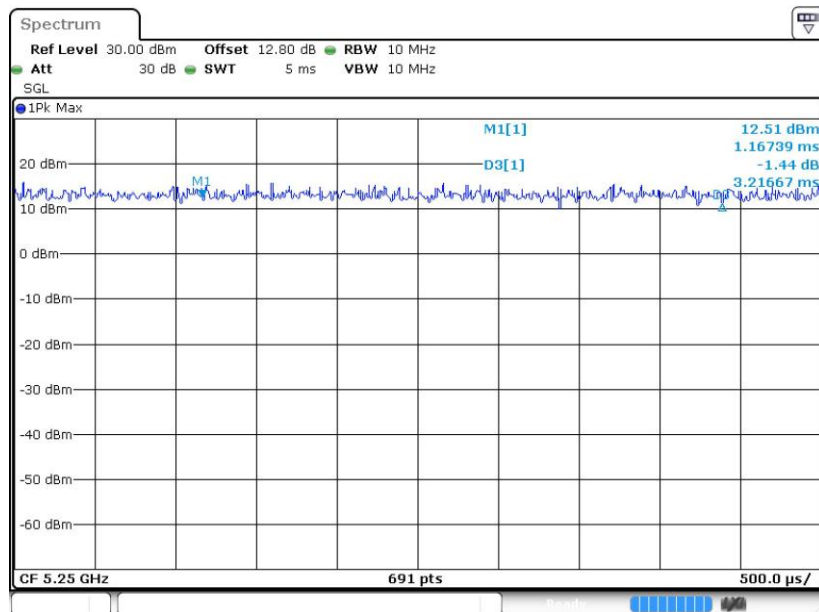
Date: 29.OCT.2021 15:53:28

### 802.11ax HE80



Date: 29.OCT.2021 15:50:11

### 802.11ax HE160



Date: 29.OCT.2021 15:49:33