



# FCC RADIO TEST REPORT

FCC ID : 2ABOF-G1RN6AHB012  
Equipment : Remote Node (RN)  
Brand Name : TARANA  
Model Name : G1RN6AHB012  
Marketing Name : TARANA G1  
Applicant : Tarana Wireless  
590 Alder Drive, Milpitas, CA 95035  
Manufacturer : Tarana Wireless  
590 Alder Drive, Milpitas, CA 95035  
Standard : FCC Part 15 Subpart E §15.407

The product was received on Jul. 26, 2023 and testing was performed from Oct. 02, 2023 to Nov. 07, 2023. We, Sporton International (USA) Inc, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International (USA) Inc, the test report shall not be reproduced except in full.



Approved by: Abi Lin

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



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## History of this test report

| Report No.     | Version | Description             | Issue Date    |
|----------------|---------|-------------------------|---------------|
| FR230713001-03 | 01      | Initial issue of report | Nov. 10, 2023 |
|                |         |                         |               |
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## Summary of Test Result

| Report Clause | Ref Std. Clause | Test Items                         | Result (PASS/FAIL) | Remark                                 |
|---------------|-----------------|------------------------------------|--------------------|----------------------------------------|
| 3.1           | 15.407(a)(10)   | 26dB Emission Bandwidth            | Pass               | -                                      |
| 3.1           | 2.1049          | 99% Occupied Bandwidth             | Reporting only     | -                                      |
| 3.2           | 15.407(a)(4)    | Fundamental Maximum EIRP           | Pass               | -                                      |
| 3.3           | 15.407(a)(4)    | Fundamental Power Spectral Density | Pass               | -                                      |
| 3.4           | 15.407(b)(6)    | In-Band Emissions (Channel Mask)   | Pass               | -                                      |
| -             | 15.407(d)(6)    | Contention Based Protocol          | Not Required       | Standard Access Points                 |
| 3.5           | 15.407(b)       | Unwanted Emissions                 | Pass               | 1.30 dB under the limit at 7377.00 MHz |
| 3.6           | 15.203          | Antenna Requirement                | Pass               | -                                      |

**Note:** Not required means after assessing, test items are not necessary to carry out.

### Conformity Assessment Condition:

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

### Disclaimer:

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

# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                                                                                      |                 |      |
|------------------------------------------------------------------------------------------------------|-----------------|------|
| <b>General Specs</b><br>Fixed Wireless Access<br><br><b>Antenna Type</b><br>Integrated Array Antenna |                 |      |
| Antenna information                                                                                  |                 |      |
| <b>5925 MHz ~ 6425 MHz</b>                                                                           | Peak Gain (dBi) | 14.9 |
| <b>6525 MHz ~ 6875 MHz</b>                                                                           | Peak Gain (dBi) | 15.0 |

**Remark:**

- The device is driving cross-polarized antenna, which has 4 horizontal polarization antenna and 4 vertical polarization antenna
- The device activate 4 carrier mode operation which has 4 antenna transmitting carrier 0 and carrier 2; the other 4 antenna transmitting carrier 1 and carrier 3.
- Minimum number of spatial stream (Nss) is 4 in 4 carrier operation.
- The EUT is a fixed point-to-point device operating in UNII-5.  
Directional Gain (4H/4V) =  $14.9\text{dBi} + 10\log(\text{Ntx} = 4 / \text{Nss} = 4) = 14.9\text{dBi}$   
The EUT is a fixed point-to-point device operating in UNII-7.  
Directional Gain (4H/4V) =  $15\text{dBi} + 10\log(\text{Ntx} = 4 / \text{Nss} = 4) = 15.0\text{dBi}$
- The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

## 1.2 Modification of EUT

No modifications made to the EUT during the testing.

## 1.3 Testing Location

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

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

FCC Designation No.: US1250

## 1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart E
- ♦ FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
- ♦ FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v01r01
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

### **Remark:**

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. 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: radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.

### 2.1 Carrier Frequency and Channel

| Frequency Band                         | Channel | Freq.<br>(MHz) |
|----------------------------------------|---------|----------------|
| 5925-6425 MHz<br>(U-NII-5)<br>40MHz    | 3       | 5965           |
|                                        | 7       | 5985           |
|                                        | 11      | 6005           |
|                                        | 15      | 6025           |
|                                        | 19      | 6045           |
|                                        | 23      | 6065           |
|                                        | 27      | 6085           |
|                                        | 31      | 6105           |
|                                        | 35      | 6125           |
|                                        | 39      | 6145           |
|                                        | 43      | 6165           |
|                                        | 47      | 6185           |
|                                        | 51      | 6205           |
|                                        | 55      | 6225           |
|                                        | 59      | 6245           |
|                                        | 63      | 6265           |
|                                        | 67      | 6285           |
|                                        | 71      | 6305           |
|                                        | 75      | 6325           |
|                                        | 79      | 6345           |
|                                        | 83      | 6365           |
|                                        | 87      | 6385           |
|                                        | 91      | 6405           |
| 5925-6425 MHz<br>(U-NII-5)<br>40+40MHz | 3 + 11  | 5965 + 6005    |
|                                        | 43 + 51 | 6165 + 6205    |
|                                        | 83 + 91 | 6365 + 6405    |
|                                        | 3 + 91  | 5965 + 6405    |

| Frequency Band                                | Channel     | Freq.<br>(MHz)      |
|-----------------------------------------------|-------------|---------------------|
| 5925-6425 MHz<br>(U-NII-5)<br>40+40+40+40 MHz | 3+11+19+27  | 5965+6005+6045+6085 |
|                                               | 35+43+51+59 | 6125+6165+6205+6245 |
|                                               | 67+75+83+91 | 6285+6325+6365+6405 |
|                                               | 3+27+51+91  | 5965+6085+6205+6405 |

| Frequency Band                                | Channel         | Freq.<br>(MHz)      |
|-----------------------------------------------|-----------------|---------------------|
| 6525-6875 MHz<br>(U-NII-7)<br>40MHz           | 119             | 6545                |
|                                               | 123             | 6565                |
|                                               | 127             | 6585                |
|                                               | 131             | 6605                |
|                                               | 135             | 6625                |
|                                               | 139             | 6645                |
|                                               | 143             | 6665                |
|                                               | 147             | 6685                |
|                                               | 151             | 6705                |
|                                               | 155             | 6725                |
|                                               | 159             | 6745                |
|                                               | 163             | 6765                |
|                                               | 167             | 6785                |
|                                               | 171             | 6805                |
|                                               | 173             | 6815                |
|                                               | 175             | 6825                |
|                                               | 179             | 6845                |
|                                               | 181             | 6855                |
| 6525-6875 MHz<br>(U-NII-7)<br>40+40MHz        | 119 + 127       | 6545 + 6585         |
|                                               | 147 + 155       | 6685 + 6725         |
|                                               | 173 + 181       | 6815 + 6855         |
|                                               | 119 + 181       | 6545 + 6855         |
| 6525-6875 MHz<br>(U-NII-7)<br>40+40+40+40 MHz | 119+127+135+143 | 6545+6585+6625+6665 |
|                                               | 139+147+155+163 | 6645+6685+6725+6765 |
|                                               | 157+165+173+181 | 6735+6775+6815+6855 |
|                                               | 119+139+159+181 | 6545+6645+6745+6855 |



## 2.2 Test Mode

### <Multi Carrier (Contiguous)>

| UNII-5 (5925-6425 MHz)                   |
|------------------------------------------|
| Channel BW 40MHz + 40MHz + 40MHz + 40MHz |
| 5965MHz+6005MHz+6045MHz+6085MHz          |
| 6125MHz+6165MHz+6205MHz+6245MHz          |
| 6285MHz+6325MHz+6365MHz+6405MHz          |

| UNII-7 (6525-6875 MHz)                   |
|------------------------------------------|
| Channel BW 40MHz + 40MHz + 40MHz + 40MHz |
| 6545MHz+6585MHz+6625MHz+6665MHz          |
| 6645MHz+6685MHz+6725MHz+6765MHz          |
| 6735MHz+6775MHz+6815MHz+6855MHz          |

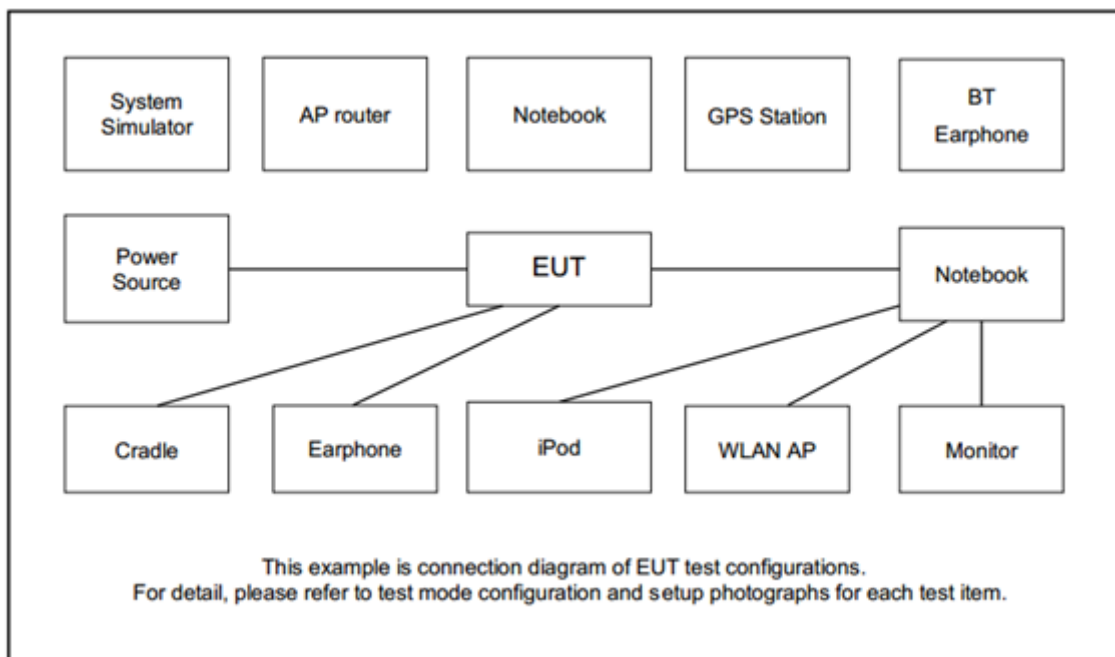
### <Multi Carrier (Non-Contiguous)>

| UNII-5 (5925-6425 MHz)                   |
|------------------------------------------|
| Channel BW 40MHz + 40MHz + 40MHz + 40MHz |
| 5965MHz+6085MHz+6205MHz+6405MHz          |

| UNII-7 (6525-6875 MHz)                   |
|------------------------------------------|
| Channel BW 40MHz + 40MHz + 40MHz + 40MHz |
| 6545MHz+6645MHz+6745MHz+6855MHz          |

**Remark:** For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.

## 2.3 Connection Diagram of Test System



## 2.4 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model Name  | FCC ID  | Data Cable | Power Cord                                                 |
|------|-----------|------------|-------------|---------|------------|------------------------------------------------------------|
| 1.   | POE       | PHIHONG    | POE60U-1BTE | N/A     | N/A        | Unshielded, 1.8 m                                          |
| 2.   | Laptop    | Lenovo     | TP00050C    | FCC DoC | N/A        | AC I/P:<br>Unshielded, 1.2 m<br>DC O/P:<br>Shielded, 1.8 m |

## 2.5 EUT Operation Test Setup

The RF test items, utility "Putty release 0.62" was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

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

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

### 3 Test Result

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

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

<FCC 14-30 CFR 15.407>

(a)(10) The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

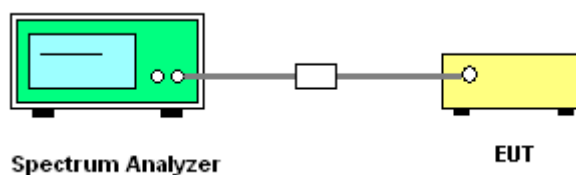
##### 3.1.2 Measuring Instruments

Please refer to the measuring equipment list in 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 1-5% of the emission bandwidth and set the Video bandwidth (VBW)  $\geq 3 * RBW$ .
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.

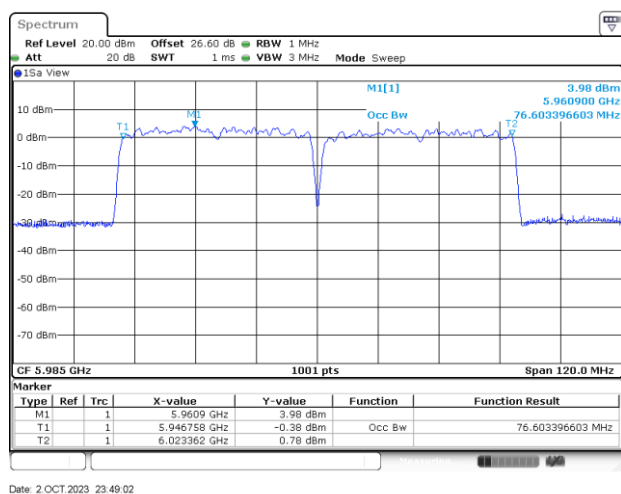


## &lt;Multi Carrier (Contiguous)&gt;

## &lt;40MHz + 40MHz + 40MHz + 40MHz&gt;

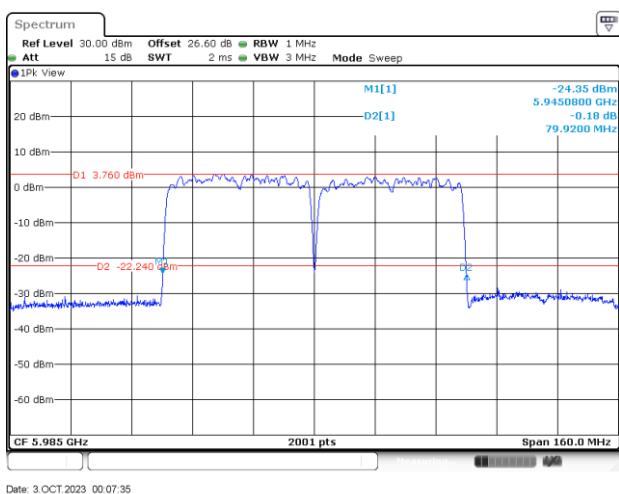
## 99% Occupied Bandwidth

## Carrier 0 + Carrier 2



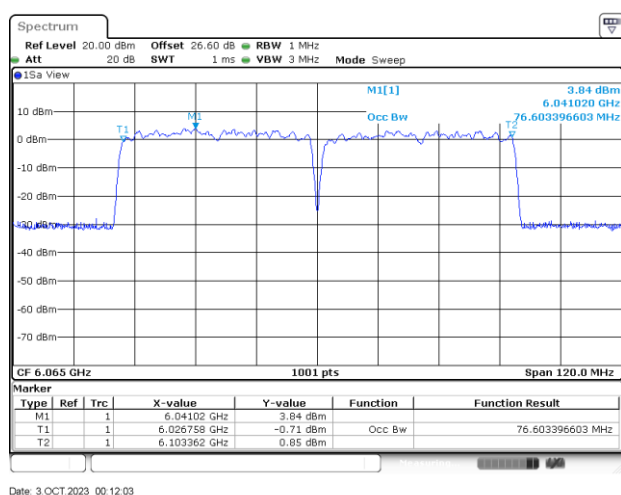
## 26dB Bandwidth

## Carrier 0 + Carrier 2



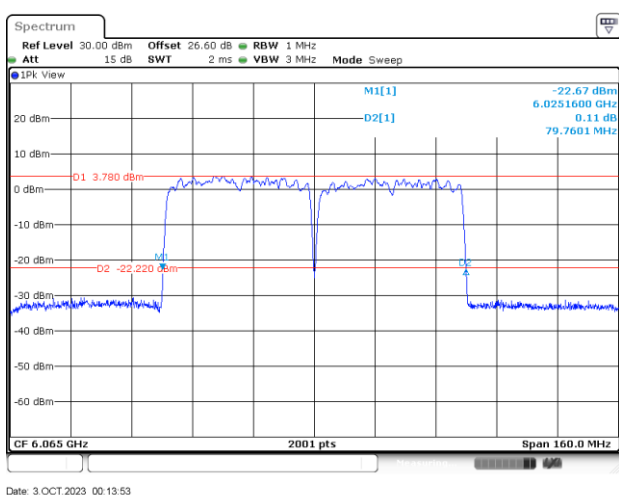
## 99% Occupied Bandwidth

## Carrier 1 + Carrier 3



## 26dB Bandwidth

## Carrier 1 + Carrier 3



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

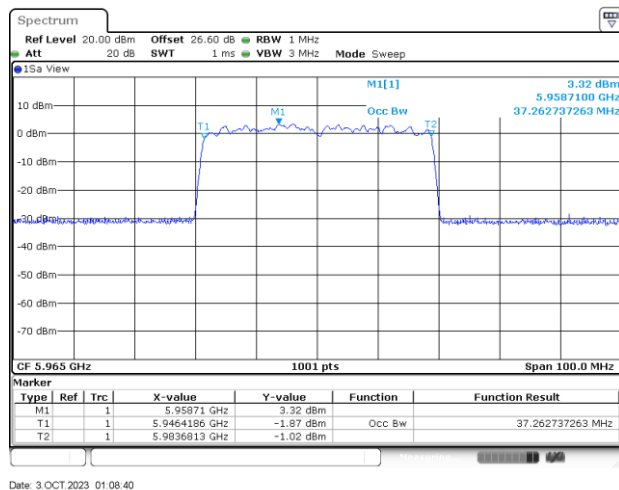


## &lt;Multi Carrier (Non-Contiguous)&gt;

&lt;40MHz + 40MHz + 40MHz + 40MHz&gt;

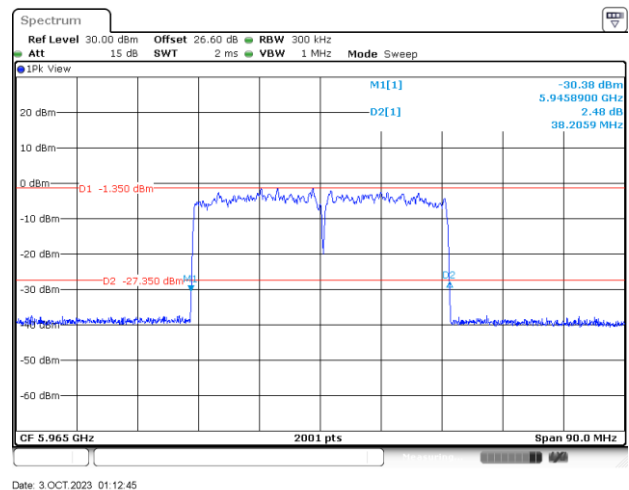
## 99% Occupied Bandwidth

## Carrier 0



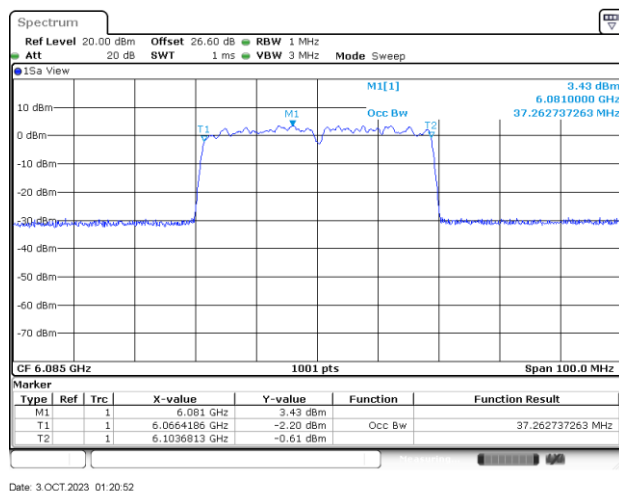
## 26dB Bandwidth

## Carrier 0



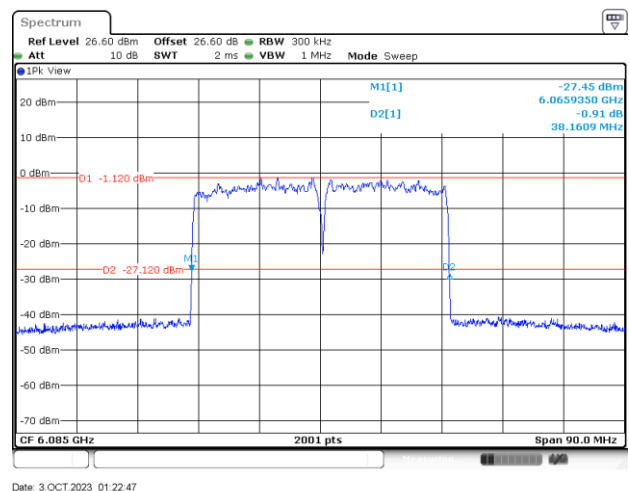
## 99% Occupied Bandwidth

## Carrier 2

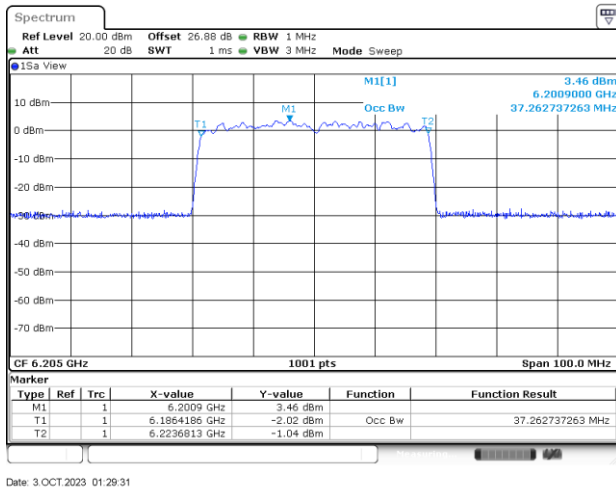
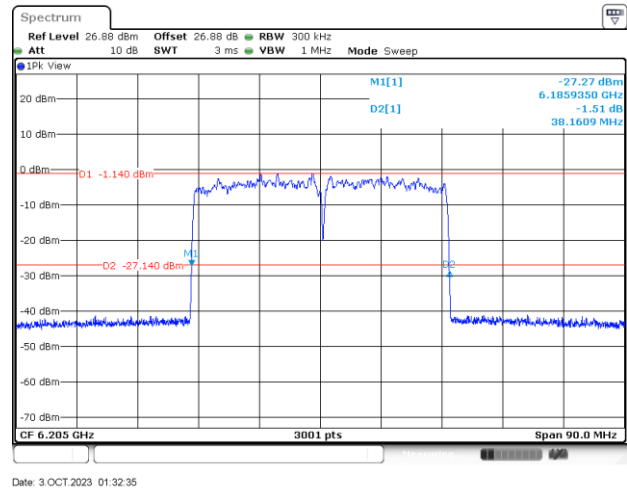
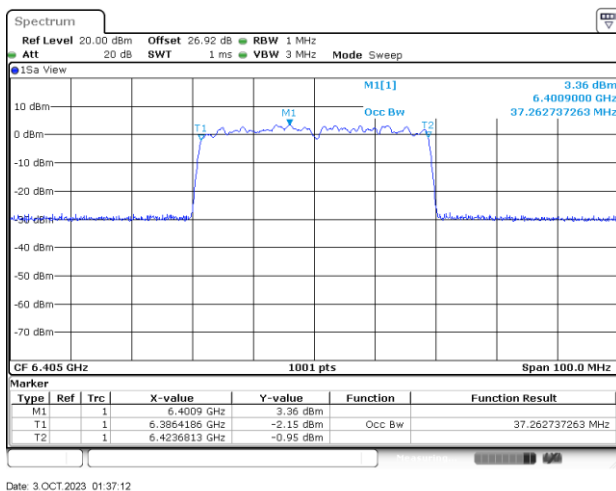
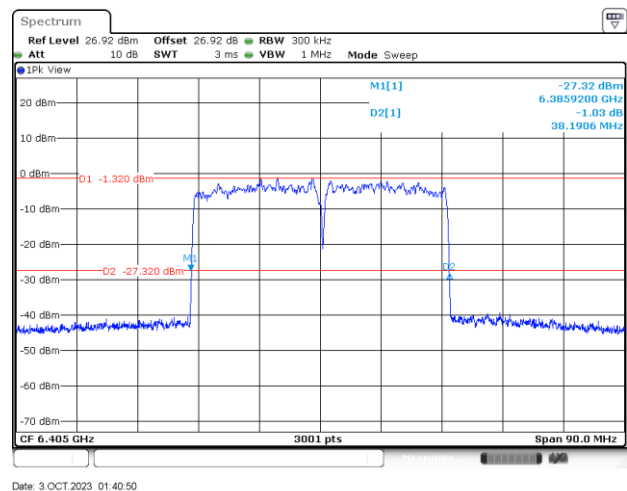


## 26dB Bandwidth

## Carrier 2



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

**99% Occupied Bandwidth  
Carrier 1****26dB Bandwidth  
Carrier 1****99% Occupied Bandwidth  
Carrier 3****26dB Bandwidth  
Carrier 3**

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

## 3.2 Fundamental Maximum EIRP Measurement

### 3.2.1 Limit of Fundamental Maximum EIRP

<FCC 14-30 CFR 15.407>

(a)(4) For a standard power access point and fixed client device operating in the 5.925–6.425 GHz and 6.525–6.875 GHz bands, the maximum power spectral density must not exceed 23 dBm e.i.r.p in any 1-megahertz band. In addition, the maximum e.i.r.p. over the frequency band of operation must not exceed 36 dBm.

For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

### 3.2.2 Measuring Instruments

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

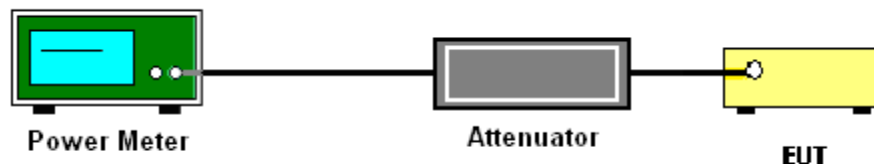
### 3.2.3 Test Procedures

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

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

1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit at its maximum power control level.
3. Measure the average power of the transmitter.
4. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
5. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Fundamental Maximum EIRP

Please refer to Appendix A.



### 3.3 Fundamental Power Spectral Density Measurement

#### 3.3.1 Limit of Fundamental Power Spectral Density

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

(a)(4) For a standard power access point and fixed client device operating in the 5.925–6.425 GHz and 6.525–6.875 GHz bands, the maximum power spectral density must not exceed 23 dBm e.i.r.p in any 1-megahertz band.

#### 3.3.2 Measuring Instruments

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

#### 3.3.3 Test Procedures

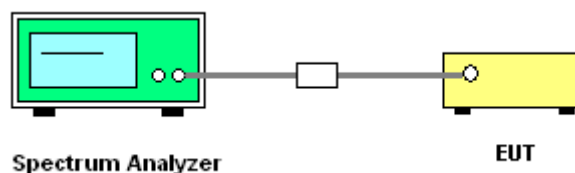
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
Section F) Maximum power spectral density.

##### # 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.

#### 3.3.4 Test Setup

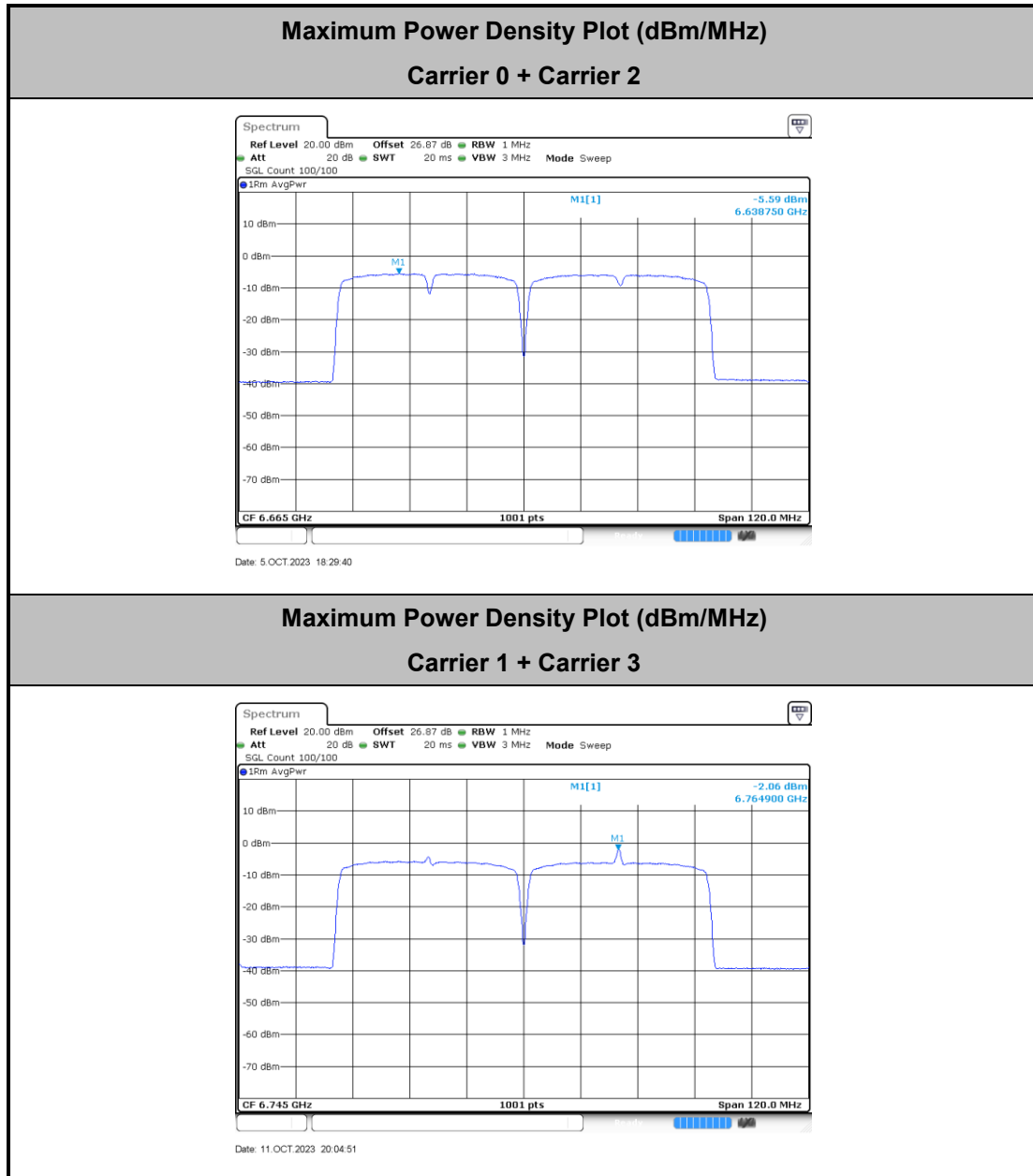


### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

<Multi Carrier (Contiguous)>

<40MHz + 40MHz + 40MHz + 40MHz>



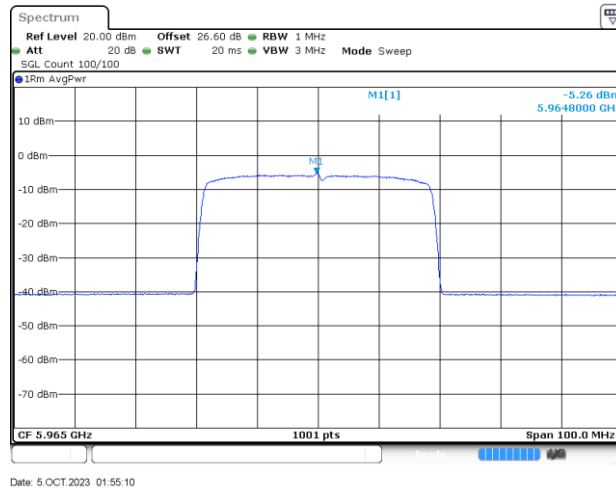


<Multi Carrier (Non-Contiguous)>

<40MHz + 40MHz + 40MHz + 40MHz>

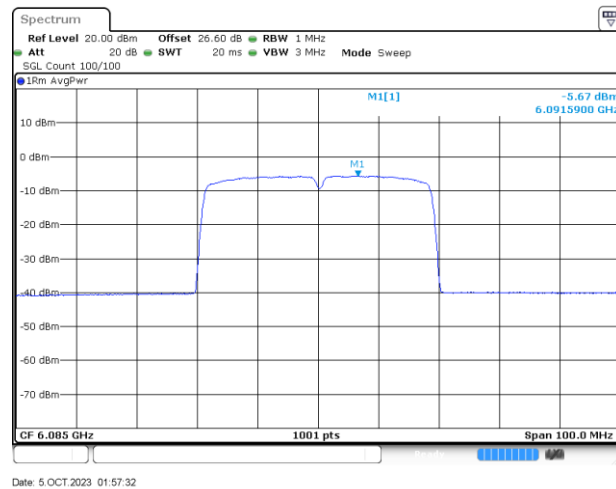
Maximum Power Density Plot (dBm/MHz)

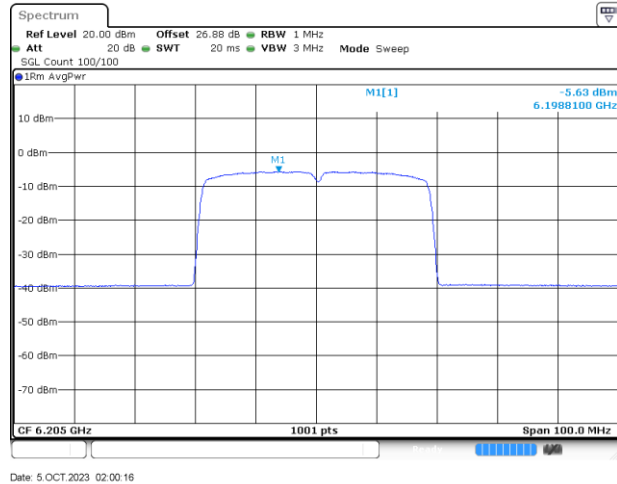
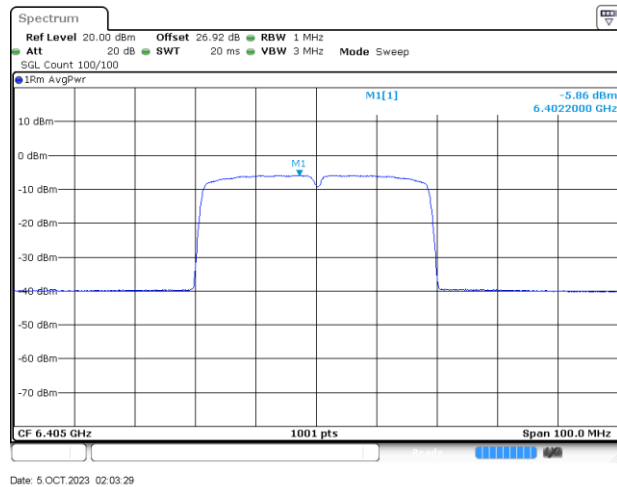
Carrier 0



Maximum Power Density Plot (dBm/MHz)

Carrier 2



**Maximum Power Density Plot (dBm/MHz)**
**Carrier 1**

**Maximum Power Density Plot (dBm/MHz)**
**Carrier 3**




## **3.4 In-Band Emissions (Channel Mask)**

### **3.4.1 Limit of Unwanted Emissions**

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

(a)(6) For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

### **3.4.2 Measuring Instruments**

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

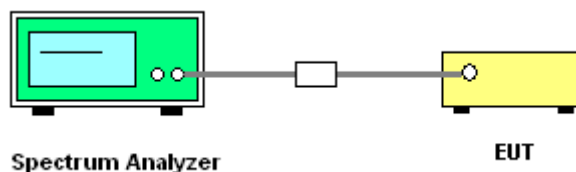
### 3.4.3 Test Procedures

The testing follows FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01.

Section J) In-Band Emissions.

1. Take nominal bandwidth as reference channel bandwidth provided that 26 dB emission bandwidth is always larger than nominal bandwidth
2. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
  - a) Set the span to encompass the entire 26 dB EBW of the signal.
  - b) Set RBW = same RBW used for 26 dB EBW measurement.
  - c) Set VBW  $\geq 3 \times$  RBW
  - d) Number of points in sweep  $\geq [2 \times \text{span} / \text{RBW}]$ .
  - e) Sweep time = auto.
  - f) Detector = RMS (i.e., power averaging)
  - g) Trace average at least 100 traces in power averaging (rms) mode.
  - h) Use the peak search function on the instrument to find the peak of the spectrum.
3. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
  - a. Suppressed by 20 dB at 1 MHz outside of the channel edge.
  - b. Suppressed by 28 dB at one channel bandwidth from the channel center.
  - c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
4. Adjust the span to encompass the entire mask as necessary.
5. Clear trace.
6. Trace average at least 100 traces in power averaging (rms) mode.
7. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

### 3.4.4 Test Setup





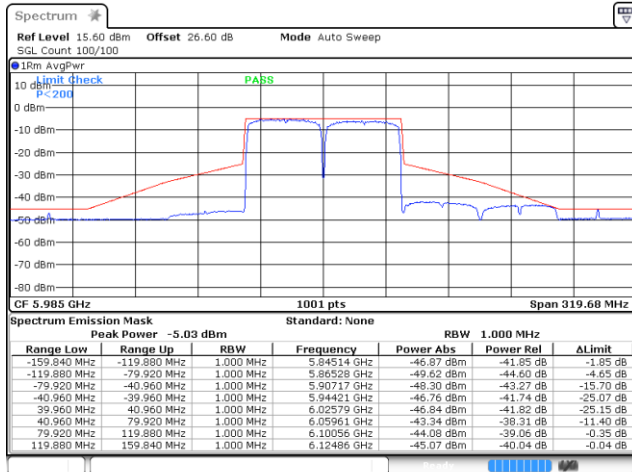
## 3.4.5 Test Result

&lt;Multi Carrier (Contiguous)&gt;

&lt;40MHz + 40MHz + 40MHz + 40MHz&gt;

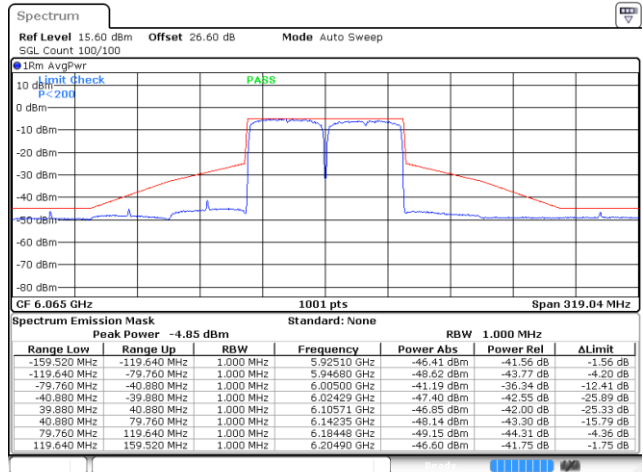
Plot on Channel 5965 MHz + 6005 MHz + 6045 MHz + 6085 MHz

Carrier 0+2



Date: 3.OCT.2023 00:08:25

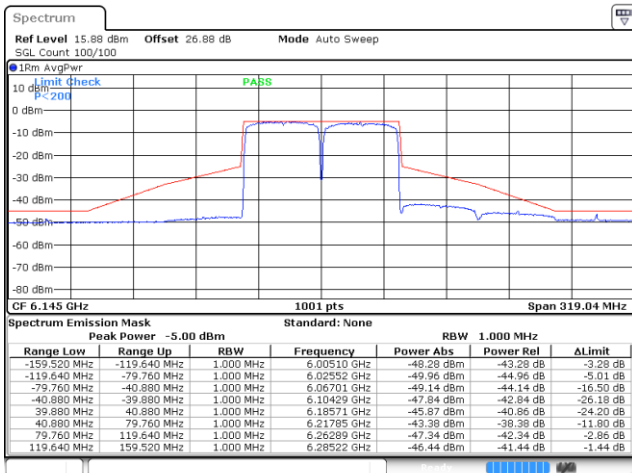
Carrier 1+3



Date: 3.OCT.2023 00:14:12

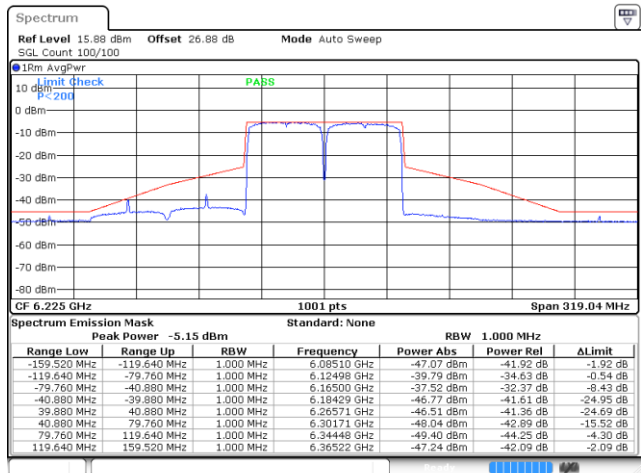
Plot on Channel 6125 MHz + 6165 MHz + 6205 MHz + 6245 MHz

Carrier 0+2



Date: 3.OCT.2023 00:30:40

Carrier 1+3

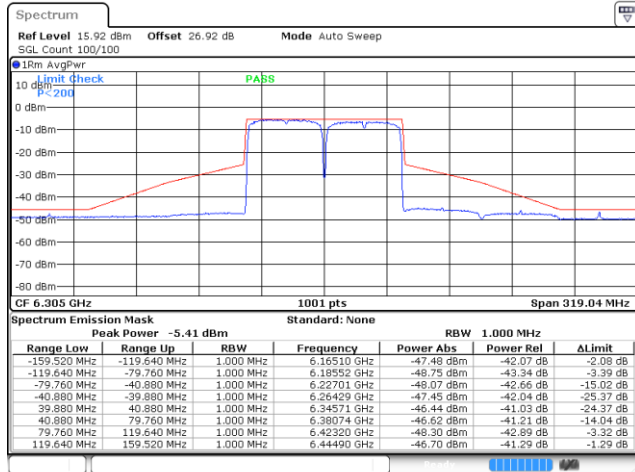


Date: 3.OCT.2023 00:24:59



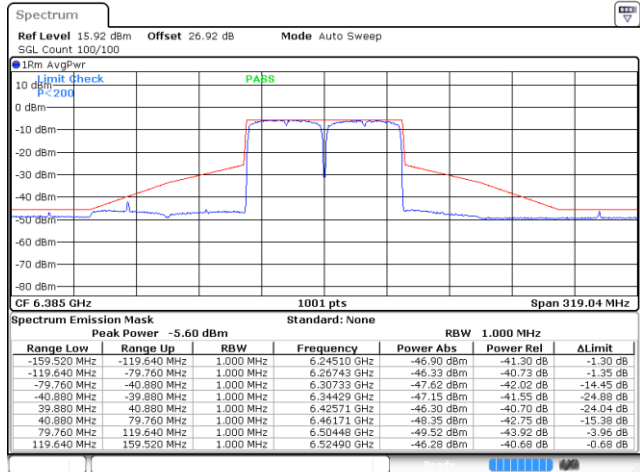
## Plot on Channel 6285 MHz + 6325 MHz + 6365 MHz + 6405 MHz

### Carrier 0+2



Date: 3.OCT.2023 00:48:22

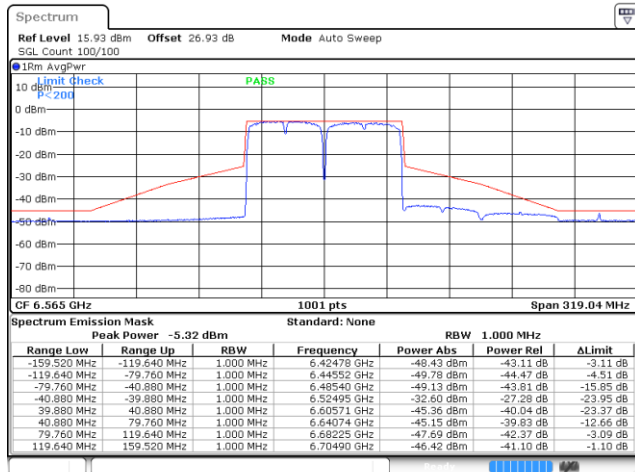
### Carrier 1+3



Date: 3.OCT.2023 00:56:32

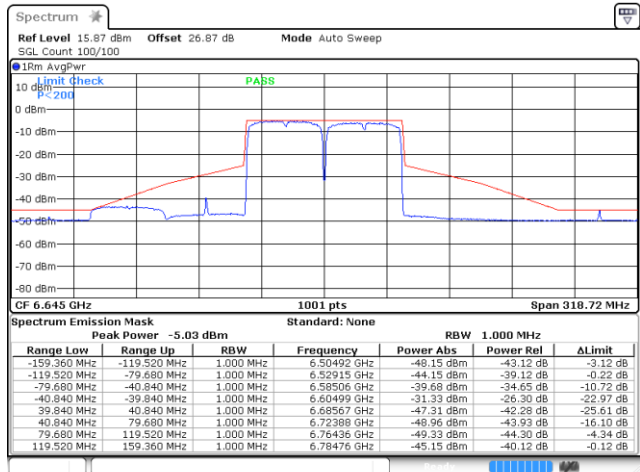
## Plot on Channel 6545 MHz + 6585 MHz + 6625 MHz + 6665 MHz

### Carrier 0+2



Date: 4.OCT.2023 00:43:35

### Carrier 1+3



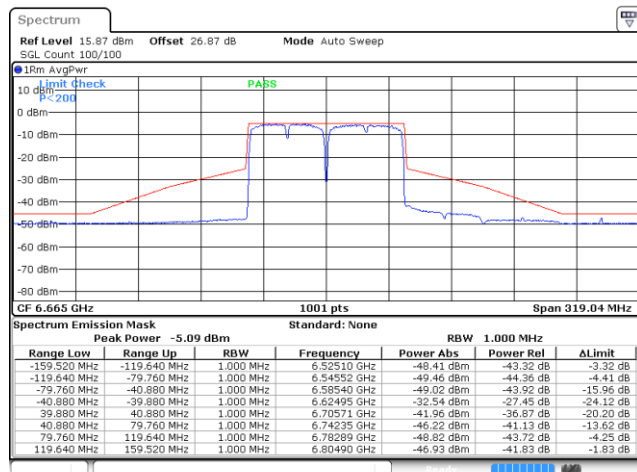
Date: 4.OCT.2023 00:39:30





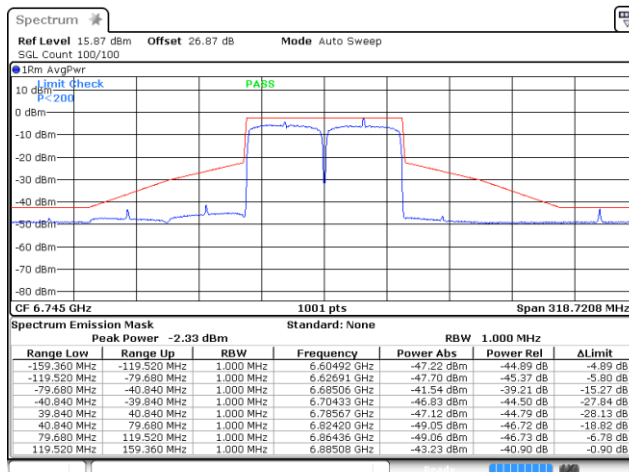
## Plot on Channel 6645 MHz + 6685 MHz + 6725 MHz + 6765 MHz

## Carrier 0+2



Date: 4.OCT.2023 01:01:59

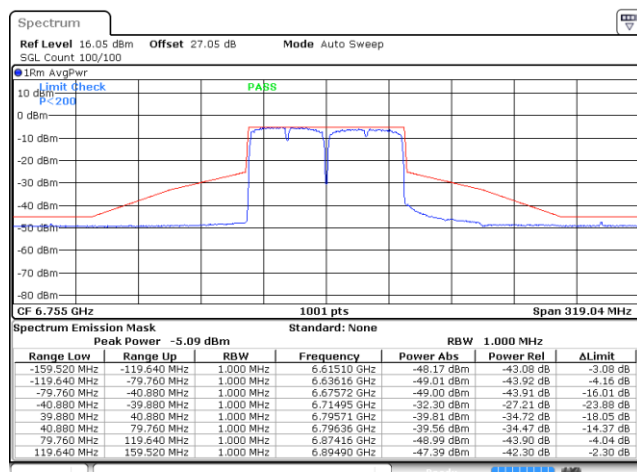
## Carrier 1+3



Date: 11.OCT.2023 20:04:28

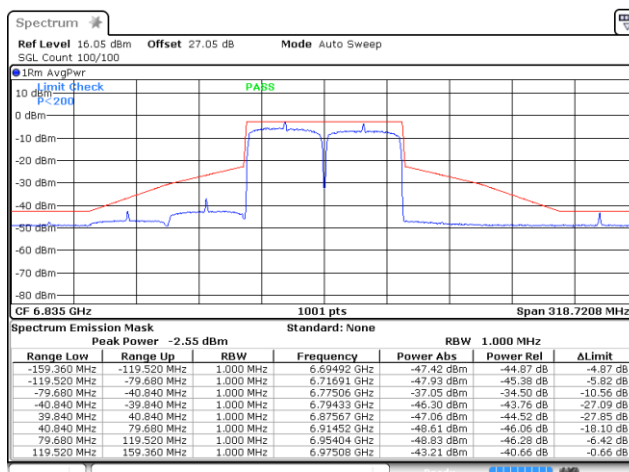
## Plot on Channel 6735 MHz + 6775 MHz + 6815 MHz + 6855 MHz

## Carrier 0+2



Date: 4.OCT.2023 01:13:14

## Carrier 1+3



Date: 11.OCT.2023 20:38:56

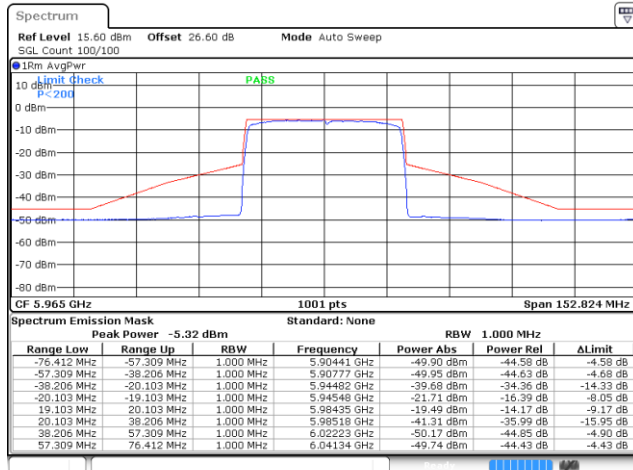


&lt;Multi Carrier (non-Contiguous)&gt;

&lt;40MHz + 40MHz + 40MHz + 40MHz&gt;

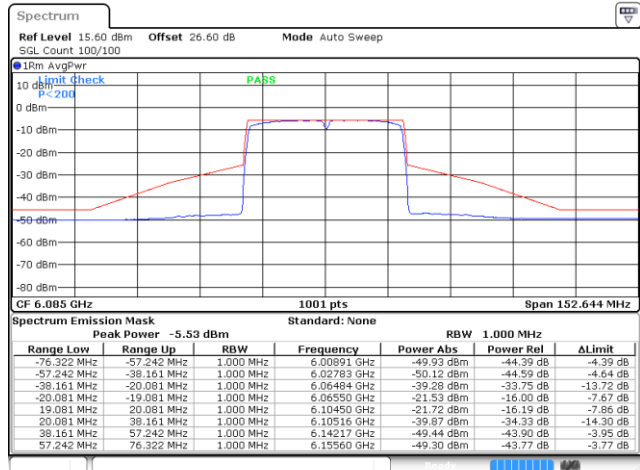
Plot on Channel 5965 MHz + 6085 MHz + 6205 MHz + 6405 MHz

Carrier 0



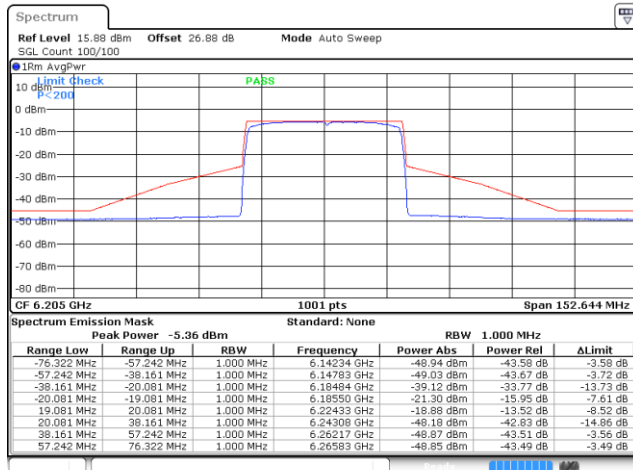
Date: 3.OCT.2023 01:14:32

Carrier 2



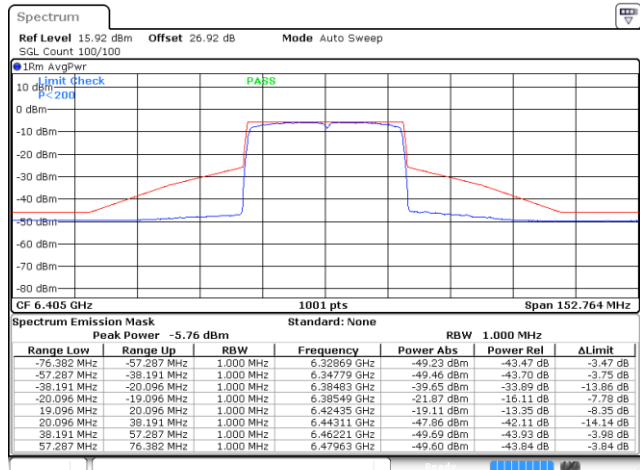
Date: 3.OCT.2023 01:23:10

Carrier 1



Date: 3.OCT.2023 01:32:57

Carrier 3

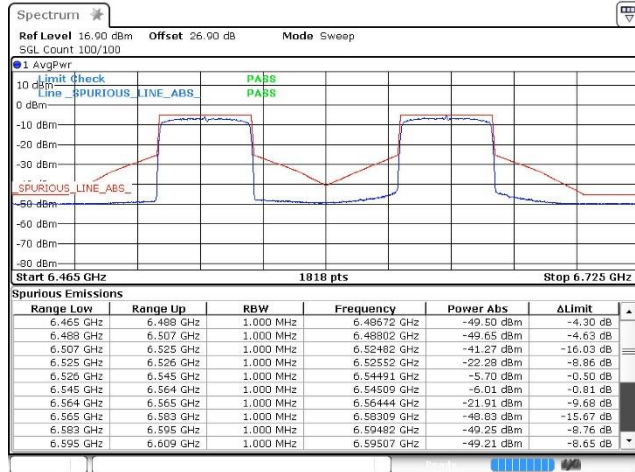


Date: 3.OCT.2023 01:41:13



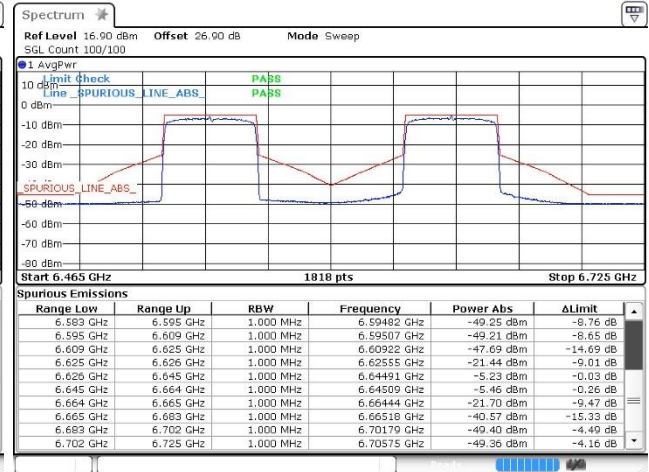
## Plot on Channel 6545 MHz + 6645 MHz + 6745 MHz + 6855 MHz

## Carrier 0+2



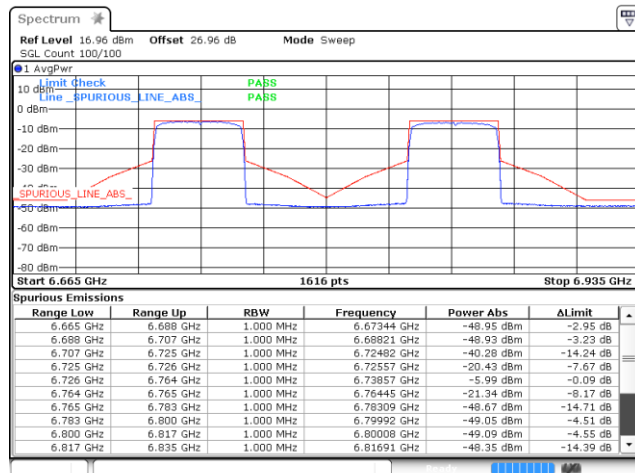
Date: 12 OCT 2023 00:12:50

## Carrier 0+2



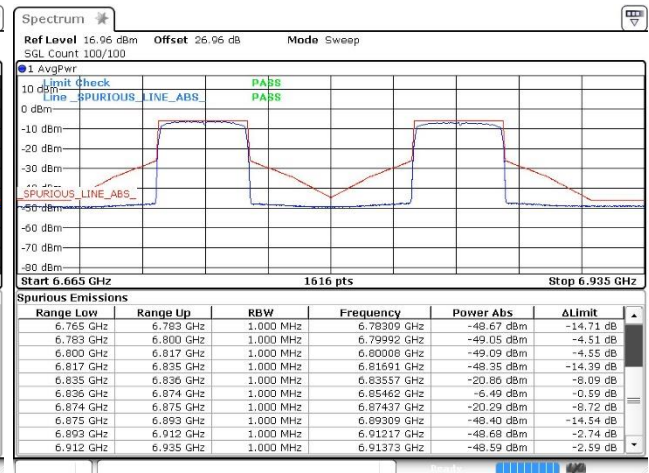
Date: 12 OCT 2023 00:13:05

## Carrier 1+3



Date: 11 OCT 2023 23:41:21

## Carrier 1+3



Date: 11 OCT 2023 23:44:02

### 3.5 Unwanted Emissions Measurement

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

#### 3.5.1 Limit of Unwanted Emissions

- (1) For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

| EIRP (dBm) | Field Strength at 3m (dBμV/m) |
|------------|-------------------------------|
| - 27 (RMS) | 68.3                          |
| - 7 (Peak) | 88.3                          |

According 987594 D02 U-NII 6GHz EMC Measurement v01 section G:

Unwanted emissions outside of restricted bands are measured with a RMS detector.

In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit

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

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

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

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

#### 3.5.2 Measuring Instruments

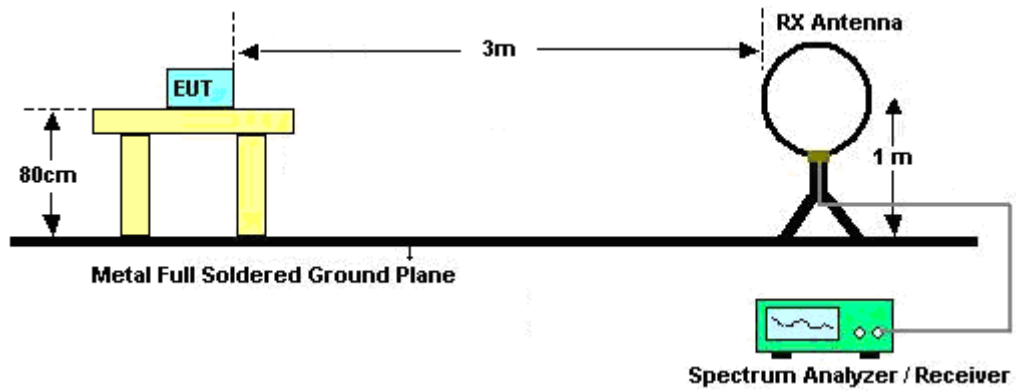
Please refer to the measuring equipment list in this test report.

### 3.5.3 Test Procedures

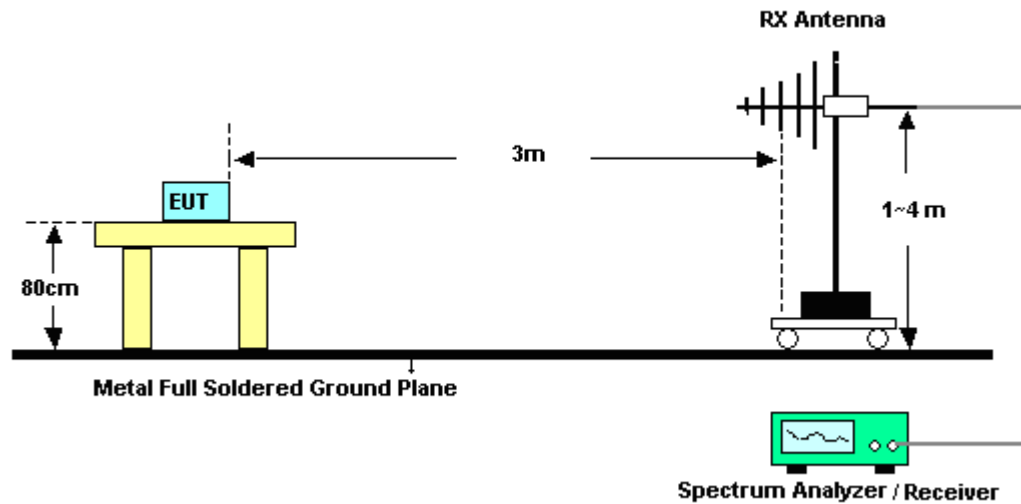
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.  
Section G) Unwanted emissions measurement.  
(1) Procedure for Unwanted Emissions Measurements Below 1000MHz
  - RBW = 120 kHz
  - VBW = 300 kHz
  - Detector = Peak
  - Trace mode = max hold  
(2) Procedure for 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 is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
3. The EUT is set 3 meters away from the receiving antenna which is mounted on the top of a variable height antenna tower.
4. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT is arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
7. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

### 3.5.4 Test Setup

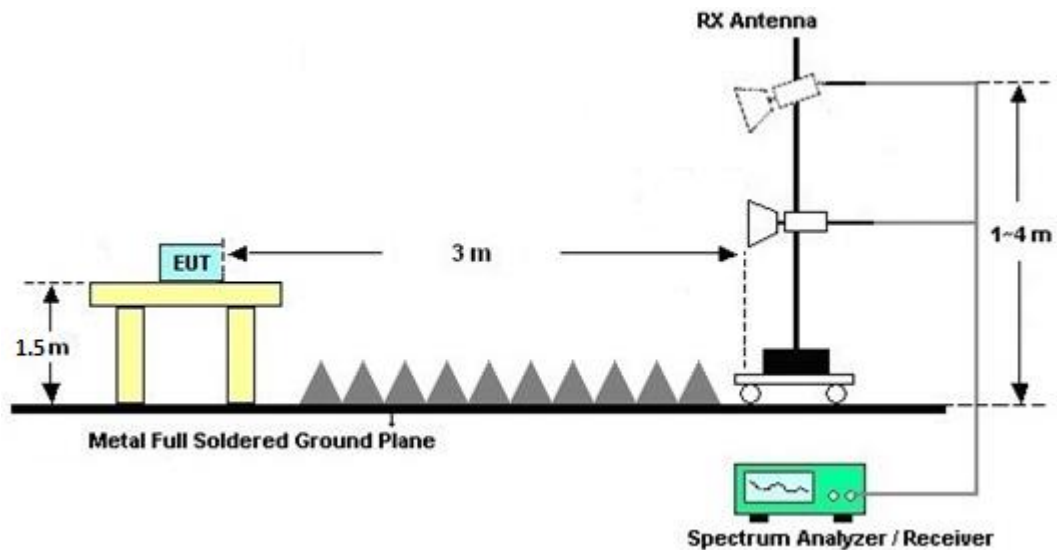
For radiated emissions below 30MHz



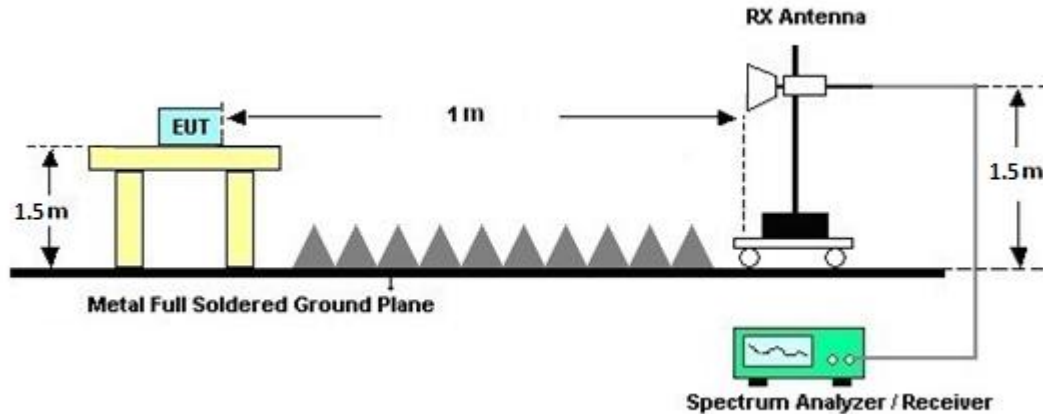
For radiated emissions from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

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

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

Please refer to Appendix B and C.

### 3.5.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.



## **3.6 Antenna Requirements**

### **3.6.1 Standard Applicable**

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

### **3.6.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.





## 4 List of Measuring Equipment

| Instrument        | Brand Name      | Model No.                          | Serial No.                                      | Characteristics           | Calibration Date | Test Date                       | Due Date      | Remark                |
|-------------------|-----------------|------------------------------------|-------------------------------------------------|---------------------------|------------------|---------------------------------|---------------|-----------------------|
| Hygrometer        | Testo           | 608-H1                             | 45142602                                        | N/A                       | Aug. 30, 2023    | Oct. 02, 2023~<br>Oct. 11, 2023 | Aug. 29, 2024 | Conducted (TH01-CA)   |
| Spectrum Analyzer | Rohde & Schwarz | FSV40                              | 101089                                          | 10Hz~40GHz                | May 22, 2023     | Oct. 02, 2023~<br>Oct. 11, 2023 | May 21, 2024  | Conducted (TH01-CA)   |
| RF Switch Box     | EM Electronics  | EMSW18                             | SW1070902                                       | N/A                       | Aug. 25, 2023    | Oct. 02, 2023~<br>Oct. 11, 2023 | Aug. 24, 2024 | Conducted (TH01-CA)   |
| Loop Antenna      | R&S             | HFH2-Z2E                           | 100840                                          | 9kHz~30MHz                | Jun. 29, 2023    | Oct. 25, 2023~<br>Nov. 07, 2023 | Jun. 28, 2024 | Radiation (03CH02-CA) |
| Bilog Antenna     | TESEQ           | 6111D                              | 54683                                           | 30MHz~1GHz                | Nov. 01, 2022    | Oct. 25, 2023~<br>Nov. 07, 2023 | Oct. 31, 2023 | Radiation (03CH02-CA) |
| Horn Antenna      | SCHWARZBECK     | BBHA 9120D                         | 02140                                           | 1GHz~18GHz                | Jan. 09, 2023    | Oct. 25, 2023~<br>Nov. 07, 2023 | Jan. 08, 2024 | Radiation (03CH02-CA) |
| Horn Antenna      | SCHWARZBECK     | BBHA9170                           | 00841                                           | 18GHz~40GHz               | Aug. 22, 2023    | Oct. 25, 2023~<br>Nov. 07, 2023 | Aug. 21, 2024 | Radiation (03CH02-CA) |
| Amplifier         | SONOMA          | 310N                               | 372240                                          | N/A                       | May 03, 2023     | Oct. 25, 2023~<br>Nov. 07, 2023 | May 02, 2024  | Radiation (03CH02-CA) |
| Preamplifier      | Keysight        | 83017A                             | MY53270323                                      | 1GHz~26.5GHz              | May 04, 2023     | Oct. 25, 2023~<br>Nov. 07, 2023 | May 03, 2024  | Radiation (03CH02-CA) |
| Preamplifier      | E-instrument    | ERA-100M-18<br>G-56-01-A70         | EC1900252                                       | 1GHz~18GHz                | May 23, 2023     | Oct. 25, 2023~<br>Nov. 07, 2023 | May 22, 2024  | Radiation (03CH02-CA) |
| Preamplifier      | EMEC            | EMC18G40G                          | 060725                                          | 18GHz~40GHz               | May 04, 2023     | Oct. 25, 2023~<br>Nov. 07, 2023 | May 03, 2024  | Radiation (03CH02-CA) |
| RF Cable          | HUBER+SUHNER    | SUCOFLEX 102                       | 804209/2,<br>802406/2,<br>802875/2,<br>802952/2 | N/A                       | Nov. 14, 2022    | Oct. 25, 2023~<br>Nov. 07, 2023 | Nov. 13, 2023 | Radiation (03CH02-CA) |
| High Pass Filter  | WOKEN           | WFIL-H8000-2<br>5000F-01           | WR32BNW2B<br>1                                  | 8G~25G                    | Jun. 05, 2023    | Oct. 25, 2023~<br>Nov. 07, 2023 | Jun. 04, 2024 | Radiation (03CH02-CA) |
| Filter            | Wainwright      | WLK12-1200-1<br>272-11000-40<br>SS | SN2                                             | 1.2GHz Low<br>Pass Filter | Jun. 05, 2023    | Oct. 25, 2023~<br>Nov. 07, 2023 | Jun. 04, 2024 | Radiation (03CH02-CA) |
| Hygrometer        | TESEO           | 608-H1                             | 45142602                                        | N/A                       | Aug.30, 2023     | Oct. 25, 2023~<br>Nov. 07, 2023 | Aug. 29, 2024 | Radiation (03CH02-CA) |
| Controller        | ChainTek        | EM-1000                            | 060876                                          | NA                        | N/A              | Oct. 25, 2023~<br>Nov. 07, 2023 | N/A           | Radiation (03CH02-CA) |
| Antenna Mast      | ChainTek        | MBS-520-1                          | N/A                                             | 1m~4m                     | N/A              | Oct. 25, 2023~<br>Nov. 07, 2023 | N/A           | Radiation (03CH02-CA) |
| Turn Table        | ChainTek        | T-200-S-1                          | N/A                                             | 0~360 Degree              | N/A              | Oct. 25, 2023~<br>Nov. 07, 2023 | N/A           | Radiation (03CH02-CA) |
| Software          | Audix           | E3                                 | N/A                                             | N/A                       | N/A              | Oct. 25, 2023~<br>Nov. 07, 2023 | N/A           | Radiation (03CH02-CA) |

## 5 Measurement Uncertainty

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

|                                                                             |        |
|-----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2U_c(y)$ ) | 4.5 dB |
|-----------------------------------------------------------------------------|--------|

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

|                                                                             |        |
|-----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2U_c(y)$ ) | 4.9 dB |
|-----------------------------------------------------------------------------|--------|

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

|                                                                             |        |
|-----------------------------------------------------------------------------|--------|
| Measuring Uncertainty for a Level of Confidence<br>of 95% ( $U = 2U_c(y)$ ) | 5.2 dB |
|-----------------------------------------------------------------------------|--------|

## Appendix A. Test Result of Conducted Test Items

|                |                       |                    |           |    |
|----------------|-----------------------|--------------------|-----------|----|
| Test Engineer: | Venkata Kondepudi     | Temperature:       | 19.3~22.8 | °C |
| Test Date:     | 2023/10/02~2023/10/11 | Relative Humidity: | 48.4~59.1 | %  |

## EIRP

UNII-5

| BW                                    | Mode   | Carrier | Frequency (MHz) | Ant #        | Power setting Atten | Power setting ADAK | Condcuted Power (dBm) | MIMO factor (dB) | Directional Gain (dBi) | Total Conducted power (dBm) | Total EIRP (dBm) | EIRP Limit (dBm) |
|---------------------------------------|--------|---------|-----------------|--------------|---------------------|--------------------|-----------------------|------------------|------------------------|-----------------------------|------------------|------------------|
| 40+40+40+40 Contiguous Mode           | Mode 1 | C0      | 5965            | Ant 0 of 0-3 | 18                  | -1.5               | 11.95                 | 6.02             | 14.90                  | 20.97                       | 35.87            | 36               |
|                                       |        | C2      | 6005            | Ant 0 of 0-3 |                     | 2.3                |                       |                  | 14.90                  |                             |                  | 36               |
|                                       |        | C1      | 6045            | Ant 4 of 4-7 | 18                  | -1.5               | 11.93                 | 6.02             | 14.90                  |                             |                  | 36               |
|                                       |        | C3      | 6085            | Ant 4 of 4-7 |                     | 0.2                |                       |                  | 14.90                  |                             |                  | 36               |
|                                       | Mode 2 | C0      | 6125            | Ant 0 of 0-3 | 18                  | -1.5               | 11.92                 | 6.02             | 14.90                  | 20.96                       | 35.86            | 36               |
|                                       |        | C2      | 6165            | Ant 0 of 0-3 |                     | 2                  |                       |                  | 14.90                  |                             |                  | 36               |
|                                       |        | C1      | 6205            | Ant 4 of 4-7 | 18                  | -2.3               | 11.93                 | 6.02             | 14.90                  |                             |                  | 36               |
|                                       |        | C3      | 6245            | Ant 4 of 4-7 |                     | 0.6                |                       |                  | 14.90                  |                             |                  | 36               |
|                                       | Mode 3 | C0      | 6285            | Ant 0 of 0-3 | 18                  | -1.5               | 11.92                 | 6.02             | 14.90                  | 20.96                       | 35.86            | 36               |
|                                       |        | C2      | 6325            | Ant 0 of 0-3 |                     | 1.9                |                       |                  | 14.90                  |                             |                  | 36               |
|                                       |        | C1      | 6365            | Ant 4 of 4-7 | 18                  | -0.6               | 11.94                 | 6.02             | 14.90                  |                             |                  | 36               |
|                                       |        | C3      | 6405            | Ant 4 of 4-7 |                     | 1.1                |                       |                  | 14.90                  |                             |                  | 36               |
| 40 + 40 + 40 + 40 Non-Contiguous Mode | Mode 4 | C0      | 5965            | Ant 0 of 0-3 | 18                  | -2.2               | 8.94                  | 6.02             | 14.90                  | 20.97                       | 35.87            | 36               |
|                                       |        | C2      | 6085            | Ant 0 of 0-3 | 18                  | 2.3                | 8.90                  | 6.02             | 14.90                  |                             |                  | 36               |
|                                       |        | C1      | 6205            | Ant 4 of 4-7 | 18                  | 2.2                | 8.94                  | 6.02             | 14.90                  |                             |                  | 36               |
|                                       |        | C3      | 6405            | Ant 4 of 4-7 | 18                  | 1.2                | 8.92                  | 6.02             | 14.90                  |                             |                  | 36               |

Note:

Antenna Gain = 14.9dBi

The device is driving cross-polarized antenna, which has 4 horizontal polarization antenna and 4 vertical polarization antenna

Directional Gain (4H/4V) = 14.9dBi + 10log(Ntx = 4 / Nss = 4) = 14.9dBi

UNII-7

| BW                                    | Mode   | Carrier | Frequency (MHz) | Ant #        | Power setting Atten | Power setting ADAK | Condcuted Power (dBm) | MIMO factor (dB) | Directional Gain (dBi) | Total Conducted power (dBm) | Total EIRP (dBm) | EIRP Limit (dBm) |
|---------------------------------------|--------|---------|-----------------|--------------|---------------------|--------------------|-----------------------|------------------|------------------------|-----------------------------|------------------|------------------|
| 40+40+40+40 Contiguous Mode           | Mode 1 | C0      | 6545            | Ant 0 of 0-3 | 18                  | -0.5               | 11.82                 | 6.02             | 15.00                  | 20.84                       | 35.84            | 36               |
|                                       |        | C2      | 6585            | Ant 0 of 0-3 |                     | 4.4                |                       |                  | 15.00                  |                             |                  | 36               |
|                                       |        | C1      | 6625            | Ant 4 of 4-7 | 18                  | 0.4                | 11.8                  | 6.02             | 15.00                  |                             |                  | 36               |
|                                       |        | C3      | 6665            | Ant 4 of 4-7 |                     | 1.2                |                       |                  | 15.00                  |                             |                  | 36               |
|                                       | Mode 2 | C0      | 6645            | Ant 0 of 0-3 | 18                  | 0.7                | 11.8                  | 6.02             | 15.00                  | 20.85                       | 35.85            | 36               |
|                                       |        | C2      | 6685            | Ant 0 of 0-3 |                     | 5.8                |                       |                  | 15.00                  |                             |                  | 36               |
|                                       |        | C1      | 6725            | Ant 4 of 4-7 | 18                  | 1.2                | 11.83                 | 6.02             | 15.00                  |                             |                  | 36               |
|                                       |        | C3      | 6765            | Ant 4 of 4-7 |                     | 2.4                |                       |                  | 15.00                  |                             |                  | 36               |
|                                       | Mode 3 | C0      | 6735            | Ant 0 of 0-3 | 18                  | 1.6                | 11.84                 | 6.02             | 15.00                  | 20.87                       | 35.87            | 36               |
|                                       |        | C2      | 6775            | Ant 0 of 0-3 |                     | 6.7                |                       |                  | 15.00                  |                             |                  | 36               |
|                                       |        | C1      | 6815            | Ant 4 of 4-7 | 18                  | 2.5                | 11.83                 | 6.02             | 15.00                  |                             |                  | 36               |
|                                       |        | C3      | 6855            | Ant 4 of 4-7 |                     | 3.3                |                       |                  | 15.00                  |                             |                  | 36               |
| 40 + 40 + 40 + 40 Non-Contiguous Mode | Mode 4 | C0      | 6545            | Ant 0 of 0-3 | 18                  | -0.6               | 8.82                  | 6.02             | 15.00                  | 20.86                       | 35.86            | 36               |
|                                       |        | C2      | 6645            | Ant 0 of 0-3 | 18                  | 5.9                | 8.83                  | 6.02             | 15.00                  |                             |                  | 36               |
|                                       |        | C1      | 6745            | Ant 4 of 4-7 | 18                  | 1.5                | 8.82                  | 6.02             | 15.00                  |                             |                  | 36               |
|                                       |        | C3      | 6855            | Ant 4 of 4-7 | 18                  | 3.8                | 8.8                   | 6.02             | 15.00                  |                             |                  | 36               |

Note:

Antenna Gain = 15.0dBi

The device is driving cross-polarized antenna, which has 4 horizontal polarization antenna and 4 vertical polarization antenna

Directional Gain (4H/4V) = 15.0dBi + 10log(Ntx = 4 / Nss = 4) = 15.0dBi

## EIRP PSD

UNII-5

| BW                                    | Mode   | Carrier | Frequency (MHz) | Power setting Atten | Power setting ADAK | Condcuted PSD (dBm/MHz) | MIMO factor (dB) | Directional Gain (dBi) | Total Conducted PSD (dBm/MHz) | Total EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) |
|---------------------------------------|--------|---------|-----------------|---------------------|--------------------|-------------------------|------------------|------------------------|-------------------------------|--------------------------|--------------------------|
| 40+40+40+40 Contiguous Mode           | Mode 1 | C0      | 5965            | 18                  | -1.5               | -5.5                    | 6.02             | 14.90                  | 0.73                          | 15.63                    | 23                       |
|                                       |        | C2      | 6005            |                     | 2.3                |                         |                  | 14.90                  |                               |                          | 23                       |
|                                       |        | C1      | 6045            | 18                  | -1.5               | -5.29                   | 6.02             | 14.90                  |                               |                          | 23                       |
|                                       |        | C3      | 6085            |                     | 0.2                |                         |                  | 14.90                  |                               |                          | 23                       |
|                                       | Mode 2 | C0      | 6125            | 18                  | -1.5               | -5.45                   | 6.02             | 14.90                  | 0.57                          | 15.47                    | 23                       |
|                                       |        | C2      | 6165            |                     | 2                  |                         |                  | 14.90                  |                               |                          | 23                       |
|                                       |        | C1      | 6205            | 18                  | -2.3               | -5.51                   | 6.02             | 14.90                  |                               |                          | 23                       |
|                                       |        | C3      | 6245            |                     | 0.6                |                         |                  | 14.90                  |                               |                          | 23                       |
|                                       | Mode 3 | C0      | 6285            | 18                  | -1.5               | -5.61                   | 6.02             | 14.90                  | 0.43                          | 15.33                    | 23                       |
|                                       |        | C2      | 6325            |                     | 1.9                |                         |                  | 14.90                  |                               |                          | 23                       |
|                                       |        | C1      | 6365            | 18                  | -0.6               | -5.59                   | 6.02             | 14.90                  |                               |                          | 23                       |
|                                       |        | C3      | 6405            |                     | 1.1                |                         |                  | 14.90                  |                               |                          | 23                       |
| 40 + 40 + 40 + 40 Non-Contiguous Mode | Mode 4 | C0      | 5965            | 18                  | -2.2               | -5.26                   | 6.02             | 14.90                  | 0.76                          | 15.66                    | 23                       |
|                                       |        | C2      | 6085            | 18                  | 2.3                | -5.67                   | 6.02             | 14.90                  |                               |                          | 23                       |
|                                       |        | C1      | 6205            | 18                  | 2.2                | -5.63                   | 6.02             | 14.90                  |                               |                          | 23                       |
|                                       |        | C3      | 6405            | 18                  | 1.2                | -5.86                   | 6.02             | 14.90                  |                               |                          | 23                       |

Note:

Antenna Gain = 14.9dBi

The device is driving cross-polarized antenna, which has 4 horizontal polarization antenna and 4 vertical polarization antenna

Directional Gain (4H/4V) = 14.9dBi + 10log(Ntx = 4 / Nss = 4) = 14.9dBi

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| BW                                    | Mode   | Carrier | Frequency (MHz) | Power setting Atten | Power setting ADAK | Condcuted PSD (dBm/MHz) | MIMO factor (dB) | Directional Gain (dBi) | Total Conducted PSD (dBm/MHz) | Total EIRP PSD (dBm/MHz) | EIRP PSD Limit (dBm/MHz) |
|---------------------------------------|--------|---------|-----------------|---------------------|--------------------|-------------------------|------------------|------------------------|-------------------------------|--------------------------|--------------------------|
| 40+40+40+40 Contiguous Mode           | Mode 1 | C0      | 6545            | 18                  | -0.5               | -5.58                   | 6.02             | 15.00                  | 0.55                          | 15.55                    | 23                       |
|                                       |        | C2      | 6585            |                     | 4.4                |                         |                  | 15.00                  |                               |                          | 23                       |
|                                       |        | C1      | 6625            | 18                  | 0.4                | -5.47                   | 6.02             | 15.00                  |                               |                          | 23                       |
|                                       |        | C3      | 6665            |                     | 1.2                |                         |                  | 15.00                  |                               |                          | 23                       |
|                                       | Mode 2 | C0      | 6645            | 18                  | 0.7                | -5.59                   | 6.02             | 15.00                  | 3.96                          | 18.96                    | 23                       |
|                                       |        | C2      | 6685            |                     | 5.8                |                         |                  | 15.00                  |                               |                          | 23                       |
|                                       |        | C1      | 6725            | 18                  | 1.2                | -2.06                   | 6.02             | 15.00                  |                               |                          | 23                       |
|                                       |        | C3      | 6765            |                     | 2.4                |                         |                  | 15.00                  |                               |                          | 23                       |
|                                       | Mode 3 | C0      | 6735            | 18                  | 1.6                | -5.4                    | 6.02             | 15.00                  | 0.62                          | 15.62                    | 23                       |
|                                       |        | C2      | 6775            |                     | 6.7                |                         |                  | 15.00                  |                               |                          | 23                       |
|                                       |        | C1      | 6815            | 18                  | 2.5                | -2.34                   | 6.02             | 15.00                  |                               |                          | 23                       |
|                                       |        | C3      | 6855            |                     | 3.3                |                         |                  | 15.00                  |                               |                          | 23                       |
| 40 + 40 + 40 + 40 Non-Contiguous Mode | Mode 4 | C0      | 6545            | 18                  | -0.6               | -5.95                   | 6.02             | 15.00                  | 0.45                          | 15.45                    | 23                       |
|                                       |        | C2      | 6645            | 18                  | 5.9                | -5.81                   | 6.02             | 15.00                  |                               |                          | 23                       |
|                                       |        | C1      | 6745            | 18                  | 1.5                | -5.57                   | 6.02             | 15.00                  |                               |                          | 23                       |
|                                       |        | C3      | 6855            | 18                  | 3.8                | -6.02                   | 6.02             | 15.00                  |                               |                          | 23                       |

Note:

Antenna Gain = 15.0dBi

The device is driving cross-polarized antenna, which has 4 horizontal polarization antenna and 4 vertical polarization antenna

Directional Gain (4H/4V) = 15.0dBi + 10log(Ntx = 4 / Nss = 4) = 15.0dBi

**Bandwidth**

UNII-5

| BW                                       | Mode   | Carrier | Frequency (MHz) | Power setting Atten | Power setting ADAK | 26dB BW (MHz) | OBW (MHz) |
|------------------------------------------|--------|---------|-----------------|---------------------|--------------------|---------------|-----------|
| 40+40+40+40<br>Contiguous Mode           | Mode 1 | C0      | 5965            | 18                  | -1.5               | 79.92         | 76.60     |
|                                          |        | C2      | 6005            |                     | 2.3                |               |           |
|                                          |        | C1      | 6045            | 18                  | -1.5               | 79.76         | 76.60     |
|                                          |        | C3      | 6085            |                     | 0.2                |               |           |
|                                          | Mode 2 | C0      | 6125            | 18                  | -1.5               | 79.76         | 76.60     |
|                                          |        | C2      | 6165            |                     | 2                  |               |           |
|                                          |        | C1      | 6205            | 18                  | -2.3               | 79.76         | 76.60     |
|                                          |        | C3      | 6245            |                     | 0.6                |               |           |
|                                          | Mode 3 | C0      | 6285            | 18                  | -1.5               | 79.76         | 76.60     |
|                                          |        | C2      | 6325            |                     | 1.9                |               |           |
|                                          |        | C1      | 6365            | 18                  | -0.6               | 79.76         | 76.60     |
|                                          |        | C3      | 6405            |                     | 1.1                |               |           |
| 40 + 40 + 40 + 40<br>Non-Contiguous Mode | Mode 4 | C0      | 5965            | 18                  | -2.2               | 38.21         | 37.26     |
|                                          |        | C2      | 6085            | 18                  | 2.3                | 38.16         | 37.26     |
|                                          |        | C1      | 6205            | 18                  | 2.2                | 38.16         | 37.26     |
|                                          |        | C3      | 6405            | 18                  | 1.2                | 38.19         | 37.26     |

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| BW                                       | Mode   | Carrier | Frequency (MHz) | Power setting Atten | Power setting ADAK | 26dB BW (MHz) | OBW (MHz) |
|------------------------------------------|--------|---------|-----------------|---------------------|--------------------|---------------|-----------|
| 40+40+40+40<br>Contiguous Mode           | Mode 1 | C0      | 6545            | 18                  | -0.5               | 79.76         | 76.36     |
|                                          |        | C2      | 6585            |                     | 4.4                |               |           |
|                                          |        | C1      | 6625            | 18                  | 0.4                | 79.68         | 76.36     |
|                                          |        | C3      | 6665            |                     | 1.2                |               |           |
|                                          | Mode 2 | C0      | 6645            | 18                  | 0.7                | 79.76         | 76.36     |
|                                          |        | C2      | 6685            |                     | 5.8                |               |           |
|                                          |        | C1      | 6725            | 18                  | 1.2                | 79.68         | 76.48     |
|                                          |        | C3      | 6765            |                     | 2.4                |               |           |
|                                          | Mode 3 | C0      | 6735            | 18                  | 1.6                | 79.76         | 76.48     |
|                                          |        | C2      | 6775            |                     | 6.7                |               |           |
|                                          |        | C1      | 6815            | 18                  | 2.5                | 79.68         | 76.36     |
|                                          |        | C3      | 6855            |                     | 3.3                |               |           |
| 40 + 40 + 40 + 40<br>Non-Contiguous Mode | Mode 4 | C0      | 6545            | 18                  | -0.6               | 38.18         | 37.06     |
|                                          |        | C2      | 6645            | 18                  | 5.9                | 38.18         | 37.16     |
|                                          |        | C1      | 6745            | 18                  | 1.5                | 38.18         | 37.06     |
|                                          |        | C3      | 6855            | 18                  | 3.8                | 38.18         | 37.16     |



## **Appendix B. Radiated Spurious Emission**

|                        |             |                            |               |
|------------------------|-------------|----------------------------|---------------|
| <b>Test Engineer :</b> | Thinh Hoang | <b>Temperature :</b>       | 19.5 ~ 21.9°C |
|                        |             | <b>Relative Humidity :</b> | 49.1 ~ 57.1%  |



## UNII-5 - 5925~6425MHz

## Multiple carrier\_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| WIFI                                                                                                        | Note | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|-------------------------------------------------------------------------------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                                                                                        |      |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 16Tx                                                                                                        |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| Multiple<br>carrier_<br>contiguous<br>40M+40M+<br>40M+40M<br>5965 MHz<br>+6005MHz<br>+6045 MHz<br>+6085 MHz |      | 5884.91   | 66.1       | -22.1  | 88.2       | 48.43  | 34.25    | 13.13  | 29.71  | 200    | 186     | P     | H     |
|                                                                                                             |      | 5884.91   | 62.71      | -5.49  | 68.2       | 45.04  | 34.25    | 13.13  | 29.71  | 200    | 186     | A     | H     |
|                                                                                                             | *    | 5965      | 111.9      | -      | -          | 94.23  | 34.22    | 13.21  | 29.76  | 200    | 186     | P     | H     |
|                                                                                                             | *    | 6005      | 110.19     | -      | -          | 92.52  | 34.21    | 13.26  | 29.8   | 200    | 186     | P     | H     |
|                                                                                                             | *    | 6045      | 110.9      | -      | -          | 93.23  | 34.21    | 13.31  | 29.85  | 200    | 186     | P     | H     |
|                                                                                                             | *    | 6085      | 111.27     | -      | -          | 93.58  | 34.23    | 13.36  | 29.9   | 200    | 186     | P     | H     |
|                                                                                                             |      | 5802      | 60.91      | -7.29  | 68.2       | 43.53  | 34.03    | 13.04  | 29.69  | 200    | 186     | A     | H     |
|                                                                                                             |      | 5886      | 63.15      | -5.05  | 68.2       | 45.47  | 34.26    | 13.13  | 29.71  | 200    | 186     | A     | H     |
|                                                                                                             | *    | 5965      | 102.13     | -      | -          | 84.46  | 34.22    | 13.21  | 29.76  | 200    | 186     | A     | H     |
|                                                                                                             | *    | 6005      | 100.76     | -      | -          | 83.09  | 34.21    | 13.26  | 29.8   | 200    | 186     | A     | H     |
|                                                                                                             | *    | 6045      | 105.67     | -      | -          | 88     | 34.21    | 13.31  | 29.85  | 200    | 186     | A     | H     |
|                                                                                                             | *    | 6085      | 101.5      | -      | -          | 83.81  | 34.23    | 13.36  | 29.9   | 200    | 186     | A     | H     |
|                                                                                                             |      | 6124      | 63.09      | -5.11  | 68.2       | 45.42  | 34.23    | 13.4   | 29.96  | 200    | 186     | A     | H     |
|                                                                                                             |      | 6208      | 61.43      | -6.77  | 68.2       | 43.8   | 34.25    | 13.51  | 30.13  | 200    | 186     | A     | H     |
|                                                                                                             |      | 7398      | 52.68      | -1.32  | 54         | 31.12  | 36.57    | 14.71  | 29.72  | 200    | 186     | A     | H     |
|                                                                                                             |      | 5805      | 63.14      | -25.06 | 88.2       | 45.74  | 34.04    | 13.05  | 29.69  | 200    | 158     | P     | V     |
|                                                                                                             |      | 5805      | 60.05      | -8.15  | 68.2       | 42.65  | 34.04    | 13.05  | 29.69  | 200    | 158     | A     | V     |
|                                                                                                             | *    | 5965      | 103.06     | -      | -          | 85.39  | 34.22    | 13.21  | 29.76  | 200    | 158     | P     | V     |
|                                                                                                             | *    | 6005      | 101.27     | -      | -          | 83.6   | 34.21    | 13.26  | 29.8   | 200    | 158     | P     | V     |
|                                                                                                             | *    | 6045      | 98.77      | -      | -          | 81.1   | 34.21    | 13.31  | 29.85  | 200    | 158     | P     | V     |
|                                                                                                             | *    | 6085      | 101.02     | -      | -          | 83.33  | 34.23    | 13.36  | 29.9   | 200    | 158     | P     | V     |
|                                                                                                             |      | 5802      | 60.11      | -8.09  | 68.2       | 42.73  | 34.03    | 13.04  | 29.69  | 200    | 158     | A     | V     |
|                                                                                                             |      | 5844      | 56.24      | -11.96 | 68.2       | 38.64  | 34.2     | 13.09  | 29.69  | 200    | 158     | A     | V     |
|                                                                                                             | *    | 5965      | 93.44      | -      | -          | 75.77  | 34.22    | 13.21  | 29.76  | 200    | 158     | A     | V     |





| WIFI<br>Ant.<br>16Tx                                                                                        | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M+<br>40M+40M<br>5965 MHz<br>+6005MHz<br>+6045 MHz<br>+6085 MHz | *                                                                                           | 6005                 | 94.68               | -                | -                           | 77.01                   | 34.21                         | 13.26                  | 29.8                       | 200                  | 158                     | A                     | V             |
|                                                                                                             | *                                                                                           | 6045                 | 95.15               | -                | -                           | 77.48                   | 34.21                         | 13.31                  | 29.85                      | 200                  | 158                     | A                     | V             |
|                                                                                                             | *                                                                                           | 6085                 | 91.11               | -                | -                           | 73.42                   | 34.23                         | 13.36                  | 29.9                       | 200                  | 158                     | A                     | V             |
|                                                                                                             |                                                                                             | 6124                 | 55.93               | -12.27           | 68.2                        | 38.26                   | 34.23                         | 13.4                   | 29.96                      | 200                  | 158                     | A                     | V             |
|                                                                                                             |                                                                                             | 6166                 | 54.28               | -13.92           | 68.2                        | 36.63                   | 34.23                         | 13.46                  | 30.04                      | 200                  | 158                     | A                     | V             |
|                                                                                                             |                                                                                             | 7384                 | 52.61               | -1.39            | 54                          | 31.03                   | 36.63                         | 14.69                  | 29.74                      | 200                  | 158                     | A                     | V             |
| Remark                                                                                                      | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



| WIFI<br>Ant.<br>16Tx                                                                                                       | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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>Multiple<br/>carrier_<br/>contiguous<br/>40M+40M+<br/>40M+40M<br/>6125 MHz<br/>+6165 MHz<br/>+6205 MHz<br/>+6245MHz</b> | *                                                                                           | 6125                 | 110.26              | -                | -                           | 92.58                   | 34.23                         | 13.41                  | 29.96                      | 200                  | 194                     | P                     | H             |
|                                                                                                                            | *                                                                                           | 6165                 | 111.97              | -                | -                           | 94.31                   | 34.23                         | 13.46                  | 30.03                      | 200                  | 194                     | P                     | H             |
|                                                                                                                            | *                                                                                           | 6205                 | 109.41              | -                | -                           | 91.77                   | 34.25                         | 13.51                  | 30.12                      | 200                  | 194                     | P                     | H             |
|                                                                                                                            | *                                                                                           | 6245                 | 111.26              | -                | -                           | 93.59                   | 34.32                         | 13.56                  | 30.21                      | 200                  | 194                     | P                     | H             |
|                                                                                                                            |                                                                                             | 5963                 | 62.5                | -5.7             | 68.2                        | 44.83                   | 34.22                         | 13.21                  | 29.76                      | 200                  | 189                     | A                     | H             |
|                                                                                                                            |                                                                                             | 6047                 | 62.67               | -5.53            | 68.2                        | 45                      | 34.21                         | 13.31                  | 29.85                      | 200                  | 189                     | A                     | H             |
|                                                                                                                            | *                                                                                           | 6125                 | 100.36              | -                | -                           | 82.68                   | 34.23                         | 13.41                  | 29.96                      | 200                  | 189                     | A                     | H             |
|                                                                                                                            | *                                                                                           | 6165                 | 101.98              | -                | -                           | 84.32                   | 34.23                         | 13.46                  | 30.03                      | 200                  | 189                     | A                     | H             |
|                                                                                                                            | *                                                                                           | 6205                 | 104.51              | -                | -                           | 86.87                   | 34.25                         | 13.51                  | 30.12                      | 200                  | 189                     | A                     | H             |
|                                                                                                                            | *                                                                                           | 6245                 | 101.42              | -                | -                           | 83.75                   | 34.32                         | 13.56                  | 30.21                      | 200                  | 189                     | A                     | H             |
|                                                                                                                            |                                                                                             | 6362                 | 61.41               | -6.79            | 68.2                        | 43.61                   | 34.6                          | 13.7                   | 30.5                       | 200                  | 189                     | A                     | H             |
|                                                                                                                            |                                                                                             | 7370                 | 52.49               | -1.51            | 54                          | 30.89                   | 36.69                         | 14.67                  | 29.76                      | 200                  | 189                     | A                     | H             |
|                                                                                                                            | *                                                                                           | 6125                 | 106.41              | -                | -                           | 88.73                   | 34.23                         | 13.41                  | 29.96                      | 200                  | 170                     | P                     | V             |
|                                                                                                                            | *                                                                                           | 6165                 | 104.13              | -                | -                           | 86.47                   | 34.23                         | 13.46                  | 30.03                      | 200                  | 170                     | P                     | V             |
|                                                                                                                            | *                                                                                           | 6205                 | 97.52               | -                | -                           | 79.88                   | 34.25                         | 13.51                  | 30.12                      | 200                  | 170                     | P                     | V             |
|                                                                                                                            | *                                                                                           | 6245                 | 100                 | -                | -                           | 82.33                   | 34.32                         | 13.56                  | 30.21                      | 200                  | 170                     | P                     | V             |
|                                                                                                                            |                                                                                             | 5963                 | 60.33               | -7.87            | 68.2                        | 42.66                   | 34.22                         | 13.21                  | 29.76                      | 200                  | 170                     | A                     | V             |
|                                                                                                                            | *                                                                                           | 6125                 | 96.45               | -                | -                           | 78.77                   | 34.23                         | 13.41                  | 29.96                      | 200                  | 170                     | A                     | V             |
|                                                                                                                            | *                                                                                           | 6165                 | 99.8                | -                | -                           | 82.14                   | 34.23                         | 13.46                  | 30.03                      | 200                  | 170                     | A                     | V             |
|                                                                                                                            | *                                                                                           | 6205                 | 94.62               | -                | -                           | 76.98                   | 34.25                         | 13.51                  | 30.12                      | 200                  | 170                     | A                     | V             |
|                                                                                                                            | *                                                                                           | 6245                 | 90.19               | -                | -                           | 72.52                   | 34.32                         | 13.56                  | 30.21                      | 200                  | 170                     | A                     | V             |
|                                                                                                                            |                                                                                             | 7398                 | 52.53               | -1.47            | 54                          | 30.97                   | 36.57                         | 14.71                  | 29.72                      | 200                  | 170                     | A                     | V             |
| <b>Remark</b>                                                                                                              | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



| WIFI<br>Ant.<br>16Tx                                                                                         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 ) |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M+<br>40M+40M<br>6285 MHz<br>+6325 MHz<br>+6365 MHz<br>+6405 MHz | *                                                                                           | 6285                 | 106.51              | -                | -                           | 88.8                      | 34.43                         | 13.61                  | 30.33                      | 200                  | 193                     | P                       | H               |
|                                                                                                              | *                                                                                           | 6325                 | 111.34              | -                | -                           | 93.58                     | 34.53                         | 13.66                  | 30.43                      | 200                  | 193                     | P                       | H               |
|                                                                                                              | *                                                                                           | 6365                 | 109.23              | -                | -                           | 91.41                     | 34.61                         | 13.71                  | 30.5                       | 200                  | 193                     | P                       | H               |
|                                                                                                              | *                                                                                           | 6405                 | 111.17              | -                | -                           | 93.27                     | 34.7                          | 13.75                  | 30.55                      | 200                  | 193                     | P                       | H               |
|                                                                                                              |                                                                                             | 6124                 | 63.63               | -4.57            | 68.2                        | 45.96                     | 34.23                         | 13.4                   | 29.96                      | 200                  | 193                     | A                       | H               |
|                                                                                                              |                                                                                             | 6208                 | 62.42               | -5.78            | 68.2                        | 44.79                     | 34.25                         | 13.51                  | 30.13                      | 200                  | 193                     | A                       | H               |
|                                                                                                              | *                                                                                           | 6285                 | 99.25               | -                | -                           | 81.54                     | 34.43                         | 13.61                  | 30.33                      | 200                  | 193                     | A                       | H               |
|                                                                                                              | *                                                                                           | 6325                 | 101.34              | -                | -                           | 83.58                     | 34.53                         | 13.66                  | 30.43                      | 200                  | 193                     | A                       | H               |
|                                                                                                              | *                                                                                           | 6365                 | 102.43              | -                | -                           | 84.61                     | 34.61                         | 13.71                  | 30.5                       | 200                  | 193                     | A                       | H               |
|                                                                                                              | *                                                                                           | 6405                 | 101.22              | -                | -                           | 83.32                     | 34.7                          | 13.75                  | 30.55                      | 200                  | 193                     | A                       | H               |
|                                                                                                              |                                                                                             | 6446                 | 57.85               | -10.35           | 68.2                        | 39.84                     | 34.83                         | 13.78                  | 30.6                       | 200                  | 193                     | A                       | H               |
|                                                                                                              |                                                                                             | 6523                 | 61.82               | -6.38            | 68.2                        | 43.54                     | 35.16                         | 13.83                  | 30.71                      | 200                  | 193                     | A                       | H               |
|                                                                                                              |                                                                                             | 7377                 | 52.7                | -1.3             | 54                          | 31.11                     | 36.66                         | 14.68                  | 29.75                      | 200                  | 193                     | A                       | H               |
|                                                                                                              | *                                                                                           | 6285                 | 104.2               | -                | -                           | 86.49                     | 34.43                         | 13.61                  | 30.33                      | 200                  | 183                     | P                       | V               |
|                                                                                                              | *                                                                                           | 6325                 | 107.9               | -                | -                           | 90.14                     | 34.53                         | 13.66                  | 30.43                      | 200                  | 183                     | P                       | V               |
|                                                                                                              | *                                                                                           | 6365                 | 97.94               | -                | -                           | 80.12                     | 34.61                         | 13.71                  | 30.5                       | 200                  | 183                     | P                       | V               |
|                                                                                                              | *                                                                                           | 6405                 | 99.94               | -                | -                           | 82.04                     | 34.7                          | 13.75                  | 30.55                      | 200                  | 183                     | P                       | V               |
|                                                                                                              |                                                                                             | 6124                 | 56.79               | -11.41           | 68.2                        | 39.12                     | 34.23                         | 13.4                   | 29.96                      | 200                  | 183                     | A                       | V               |
|                                                                                                              |                                                                                             | 6208                 | 55.42               | -12.78           | 68.2                        | 37.79                     | 34.25                         | 13.51                  | 30.13                      | 200                  | 183                     | A                       | V               |
|                                                                                                              | *                                                                                           | 6285                 | 100.12              | -                | -                           | 82.41                     | 34.43                         | 13.61                  | 30.33                      | 200                  | 183                     | A                       | V               |
|                                                                                                              | *                                                                                           | 6325                 | 97.91               | -                | -                           | 80.15                     | 34.53                         | 13.66                  | 30.43                      | 200                  | 183                     | A                       | V               |
|                                                                                                              | *                                                                                           | 6365                 | 90.91               | -                | -                           | 73.09                     | 34.61                         | 13.71                  | 30.5                       | 200                  | 183                     | A                       | V               |
|                                                                                                              | *                                                                                           | 6405                 | 90.01               | -                | -                           | 72.11                     | 34.7                          | 13.75                  | 30.55                      | 200                  | 183                     | A                       | V               |
|                                                                                                              |                                                                                             | 6446                 | 61.44               | -6.76            | 68.2                        | 43.43                     | 34.83                         | 13.78                  | 30.6                       | 200                  | 183                     | A                       | V               |
|                                                                                                              |                                                                                             | 6488                 | 54.61               | -13.59           | 68.2                        | 36.48                     | 34.98                         | 13.81                  | 30.66                      | 200                  | 183                     | A                       | V               |
|                                                                                                              |                                                                                             | 7391                 | 52.46               | -1.54            | 54                          | 30.89                     | 36.6                          | 14.7                   | 29.73                      | 200                  | 183                     | A                       | V               |
| Remark                                                                                                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



## UNII-5 - 5925~6425MHz

## Multiple carrier\_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| WIFI                                                                                                         | Note | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------------------------------------------------------------------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                                                                                         |      |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 16Tx                                                                                                         |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>5965 MHz<br>+6005 MHz<br>+6045 MHz<br>+6085 MHz |      | 11930     | 46.64      | -27.36 | 74         | 55.54  | 38.77    | 18.98  | 66.65  | -      | -       | P     | H     |
|                                                                                                              |      | 12010     | 47.43      | -26.57 | 74         | 55.83  | 38.96    | 19.04  | 66.4   | -      | -       | P     | H     |
|                                                                                                              |      | 12090     | 47.4       | -26.6  | 74         | 55.45  | 39.19    | 19.11  | 66.35  | -      | -       | P     | H     |
|                                                                                                              |      | 12170     | 47.88      | -26.12 | 74         | 55.77  | 39.27    | 19.17  | 66.33  | -      | -       | A     | H     |
|                                                                                                              |      | 17895     | 53.44      | -20.56 | 74         | 56.58  | 42.65    | 23.74  | 69.53  | -      | -       | P     | H     |
|                                                                                                              |      | 17895     | 43.31      | -10.69 | 54         | 46.45  | 42.65    | 23.74  | 69.53  | -      | -       | A     | H     |
|                                                                                                              |      | 18015     | 35.61      | -38.39 | 74         | 37.49  | 37.72    | 14.14  | 53.74  | -      | -       | P     | H     |
|                                                                                                              |      | 18135     | 35.43      | -38.57 | 74         | 38.16  | 37.85    | 14.2   | 54.78  | -      | -       | P     | H     |
|                                                                                                              |      | 18255     | 35.74      | -38.26 | 74         | 38.61  | 37.92    | 14.25  | 55.04  | -      | -       | P     | H     |
|                                                                                                              |      | 11930     | 46.64      | -27.36 | 74         | 55.54  | 38.77    | 18.98  | 66.65  | -      | -       | P     | H     |
|                                                                                                              |      | 12010     | 47.49      | -26.51 | 74         | 55.89  | 38.96    | 19.04  | 66.4   | -      | -       | P     | V     |
|                                                                                                              |      | 12090     | 48.41      | -25.59 | 74         | 56.46  | 39.19    | 19.11  | 66.35  | -      | -       | P     | V     |
|                                                                                                              |      | 12090     | 38.08      | -15.92 | 54         | 46.13  | 39.19    | 19.11  | 66.35  | -      | -       | A     | V     |
|                                                                                                              |      | 12170     | 47.96      | -26.04 | 74         | 55.85  | 39.27    | 19.17  | 66.33  | -      | -       | P     | V     |
|                                                                                                              |      | 17895     | 53.22      | -20.78 | 74         | 56.36  | 42.65    | 23.74  | 69.53  | -      | -       | P     | V     |
|                                                                                                              |      | 17895     | 43.31      | -10.69 | 54         | 46.45  | 42.65    | 23.74  | 69.53  | -      | -       | A     | V     |
|                                                                                                              |      | 18015     | 36.19      | -37.81 | 74         | 37.92  | 37.87    | 14.14  | 53.74  | -      | -       | P     | V     |
|                                                                                                              |      | 18135     | 34.32      | -39.68 | 74         | 36.94  | 37.96    | 14.2   | 54.78  | -      | -       | P     | V     |
|                                                                                                              |      | 18255     | 34.52      | -39.48 | 74         | 37.29  | 38.02    | 14.25  | 55.04  | -      | -       | P     | V     |



| WIFI<br>Ant.<br>16Tx                                                                                         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|--------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>6125 MHz<br>+6165 MHz<br>+6205 MHz<br>+6245 MHz |      | 12250                | 47.95               | -26.05           | 74                          | 55.93                   | 39.22                         | 19.24                  | 66.44                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 12330                | 46.41               | -27.59           | 74                          | 54.67                   | 39.05                         | 19.32                  | 66.63                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 12410                | 47.33               | -26.67           | 74                          | 55.72                   | 38.95                         | 19.38                  | 66.72                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 12490                | 47.5                | -26.5            | 74                          | 55.65                   | 38.96                         | 19.45                  | 66.56                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 18375                | 36.43               | -37.57           | 74                          | 38.69                   | 37.96                         | 14.31                  | 54.53                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 18495                | 34.97               | -39.03           | 74                          | 36.32                   | 38.06                         | 14.37                  | 53.78                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 18615                | 36.66               | -37.34           | 74                          | 37.39                   | 38.08                         | 14.43                  | 53.24                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 18735                | 37.69               | -36.31           | 74                          | 37.98                   | 38.12                         | 14.49                  | 52.9                       | -                    | -                       | P                     | H             |
|                                                                                                              |      | 12250                | 48.3                | -25.7            | 74                          | 56.28                   | 39.22                         | 19.24                  | 66.44                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 12250                | 38.44               | -15.56           | 54                          | 46.42                   | 39.22                         | 19.24                  | 66.44                      | -                    | -                       | A                     | V             |
|                                                                                                              |      | 12330                | 47                  | -27              | 74                          | 55.26                   | 39.05                         | 19.32                  | 66.63                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 12410                | 47.61               | -26.39           | 74                          | 56                      | 38.95                         | 19.38                  | 66.72                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 12490                | 46.69               | -27.31           | 74                          | 54.84                   | 38.96                         | 19.45                  | 66.56                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 18375                | 36.27               | -37.73           | 74                          | 38.47                   | 38.02                         | 14.31                  | 54.53                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 18495                | 36.59               | -37.41           | 74                          | 37.82                   | 38.18                         | 14.37                  | 53.78                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 18615                | 37.1                | -36.9            | 74                          | 37.7                    | 38.21                         | 14.43                  | 53.24                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 18735                | 37.82               | -36.18           | 74                          | 38.06                   | 38.17                         | 14.49                  | 52.9                       | -                    | -                       | P                     | V             |



| WIFI<br>Ant.<br>16Tx                                                                                         | Note                                                                                                                                                                                                                                   | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>6285 MHz<br>+6325 MHz<br>+6365 MHz<br>+6405 MHz |                                                                                                                                                                                                                                        | 12570                | 47.83               | -26.17           | 74                          | 55.57                   | 39.06                         | 19.52                  | 66.32                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 12650                | 47.87               | -26.13           | 74                          | 55.35                   | 39.18                         | 19.59                  | 66.25                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 12730                | 47.81               | -40.39           | 88.2                        | 55.32                   | 39.31                         | 19.65                  | 66.47                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 12810                | 48.01               | -40.19           | 88.2                        | 55.63                   | 39.5                          | 19.73                  | 66.85                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 18855                | 37.62               | -36.38           | 74                          | 37.81                   | 38.15                         | 14.55                  | 52.89                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 18975                | 37.08               | -36.92           | 74                          | 37.72                   | 38.09                         | 14.61                  | 53.34                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 19095                | 35.49               | -38.51           | 74                          | 36.77                   | 38.04                         | 14.67                  | 53.99                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 19217.52             | 36.42               | -37.58           | 74                          | 37.7                    | 38.02                         | 14.73                  | 54.03                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 12570                | 47.66               | -26.34           | 74                          | 55.4                    | 39.06                         | 19.52                  | 66.32                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 12650                | 48.92               | -25.08           | 74                          | 56.4                    | 39.18                         | 19.59                  | 66.25                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 12650                | 38.61               | -15.39           | 54                          | 46.09                   | 39.18                         | 19.59                  | 66.25                      | -                    | -                       | A                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 12730                | 47.97               | -40.23           | 88.2                        | 55.48                   | 39.31                         | 19.65                  | 66.47                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 12810                | 48.43               | -39.77           | 88.2                        | 56.05                   | 39.5                          | 19.73                  | 66.85                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 18855                | 38.08               | -35.92           | 74                          | 38.21                   | 38.21                         | 14.55                  | 52.89                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 18975                | 36.07               | -37.93           | 74                          | 36.65                   | 38.15                         | 14.61                  | 53.34                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 19095                | 35.94               | -38.06           | 74                          | 37.08                   | 38.18                         | 14.67                  | 53.99                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 19215                | 36.09               | -37.91           | 74                          | 37.33                   | 38.07                         | 14.73                  | 54.04                      | -                    | -                       | P                     | V             |
| Remark                                                                                                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



## UNII-5 - 5925~6425MHz

## Multiple Non-carrier\_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| WIFI                                                                                                             | Note | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------------------------------------------------------------------------------------------|------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                                                                                             |      |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 16Tx                                                                                                             |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| Multiple<br>carrier_<br>Non-contiguous<br>40M+40M+<br>40M+40M<br>5965 MHz<br>+6085 MHz<br>+6205 MHz<br>+6405 MHz |      | 5870.34   | 62.93      | -25.27 | 88.2       | 45.28  | 34.24    | 13.11  | 29.7   | 200    | 181     | P     | H     |
|                                                                                                                  |      | 5925      | 53.22      | -14.98 | 68.2       | 35.54  | 34.25    | 13.17  | 29.74  | 200    | 181     | A     | H     |
|                                                                                                                  | *    | 5965      | 112.25     | -      | -          | 94.58  | 34.22    | 13.21  | 29.76  | 200    | 181     | P     | H     |
|                                                                                                                  | *    | 6085      | 107.55     | -      | -          | 89.86  | 34.23    | 13.36  | 29.9   | 200    | 181     | P     | H     |
|                                                                                                                  | *    | 6205      | 114.77     | -      | -          | 97.13  | 34.25    | 13.51  | 30.12  | 200    | 181     | P     | H     |
|                                                                                                                  | *    | 6405      | 108.08     | -      | -          | 90.18  | 34.7     | 13.75  | 30.55  | 200    | 181     | P     | H     |
|                                                                                                                  |      | 5725      | 64.02      | -4.18  | 68.2       | 47.14  | 33.61    | 12.97  | 29.7   | 200    | 181     | A     | H     |
|                                                                                                                  | *    | 5965      | 102.11     | -      | -          | 84.44  | 34.22    | 13.21  | 29.76  | 200    | 181     | A     | H     |
|                                                                                                                  | *    | 6085      | 97.65      | -      | -          | 79.96  | 34.23    | 13.36  | 29.9   | 200    | 181     | A     | H     |
|                                                                                                                  | *    | 6205      | 105        | -      | -          | 87.36  | 34.25    | 13.51  | 30.12  | 200    | 181     | A     | H     |
|                                                                                                                  | *    | 6405      | 98.18      | -      | -          | 80.28  | 34.7     | 13.75  | 30.55  | 200    | 181     | A     | H     |
|                                                                                                                  |      | 6446      | 60.57      | -7.63  | 68.2       | 42.56  | 34.83    | 13.78  | 30.6   | 200    | 181     | A     | H     |
|                                                                                                                  |      | 6684      | 63.95      | -4.25  | 68.2       | 44.87  | 36       | 13.96  | 30.88  | 200    | 181     | A     | H     |
|                                                                                                                  |      | 7412      | 52.65      | -1.35  | 54         | 31.14  | 36.52    | 14.72  | 29.73  | 200    | 181     | A     | H     |
|                                                                                                                  |      | 5909.28   | 59.39      | -28.81 | 88.2       | 41.71  | 34.26    | 13.15  | 29.73  | 200    | 187     | P     | V     |
|                                                                                                                  |      | 5845.26   | 49.53      | -18.67 | 68.2       | 31.93  | 34.2     | 13.09  | 29.69  | 200    | 187     | A     | V     |
|                                                                                                                  | *    | 5965      | 105.43     | -      | -          | 87.76  | 34.22    | 13.21  | 29.76  | 200    | 187     | P     | V     |
|                                                                                                                  | *    | 6085      | 106.62     | -      | -          | 88.93  | 34.23    | 13.36  | 29.9   | 200    | 187     | P     | V     |
|                                                                                                                  | *    | 6205      | 99.41      | -      | -          | 81.77  | 34.25    | 13.51  | 30.12  | 200    | 187     | P     | V     |
|                                                                                                                  | *    | 6405      | 98.87      | -      | -          | 80.97  | 34.7     | 13.75  | 30.55  | 200    | 187     | P     | V     |
|                                                                                                                  |      | 5487      | 49.93      | -18.27 | 68.2       | 33.86  | 33.06    | 12.71  | 29.7   | 200    | 187     | A     | V     |
|                                                                                                                  |      | 5725      | 52         | -16.2  | 68.2       | 35.12  | 33.61    | 12.97  | 29.7   | 200    | 187     | A     | V     |
|                                                                                                                  | *    | 5965      | 98.89      | -      | -          | 81.22  | 34.22    | 13.21  | 29.76  | 200    | 187     | A     | V     |



| WIFI<br>Ant.<br>16Tx                                                                                             | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>Non-contiguous<br>40M+40M+<br>40M+40M<br>5965 MHz<br>+6085 MHz<br>+6205 MHz<br>+6405 MHz | *                                                                                           | 6085                 | 96.75               | -                | -                           | 79.06                   | 34.23                         | 13.36                  | 29.9                       | 200                  | 187                     | A                     | V             |
|                                                                                                                  | *                                                                                           | 6205                 | 92.84               | -                | -                           | 75.2                    | 34.25                         | 13.51                  | 30.12                      | 200                  | 187                     | A                     | V             |
|                                                                                                                  | *                                                                                           | 6405                 | 89.09               | -                | -                           | 71.19                   | 34.7                          | 13.75                  | 30.55                      | 200                  | 187                     | A                     | V             |
|                                                                                                                  |                                                                                             | 6446                 | 61.86               | -6.34            | 68.2                        | 43.85                   | 34.83                         | 13.78                  | 30.6                       | 200                  | 187                     | A                     | V             |
|                                                                                                                  |                                                                                             | 6726                 | 55.01               | -13.19           | 68.2                        | 35.84                   | 36.06                         | 14.01                  | 30.9                       | 200                  | 187                     | A                     | V             |
|                                                                                                                  |                                                                                             | 7419                 | 52.65               | -1.35            | 54                          | 31.17                   | 36.49                         | 14.73                  | 29.74                      | 200                  | 187                     | A                     | V             |
| Remark                                                                                                           | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |





## UNII-5 - 5925~6425MHz

## Multiple Non-carrier\_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| WIFI                                                                                                             | Note                                                                                                                                                                                                                                   | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.                                                                                                             |                                                                                                                                                                                                                                        |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 16Tx                                                                                                             |                                                                                                                                                                                                                                        | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| Multiple<br>carrier_<br>Non-contiguous<br>40M+40M<br>+40M+40M<br>5965 MHz<br>+6085 MHz<br>+6205 MHz<br>+6405 MHz |                                                                                                                                                                                                                                        | 11930     | 46.66      | -27.34 | 74         | 55.56  | 38.77    | 18.98  | 66.65  | -      | -       | P     | H     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 12170     | 47.69      | -26.31 | 74         | 55.58  | 39.27    | 19.17  | 66.33  | -      | -       | P     | H     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 12410     | 47.09      | -26.91 | 74         | 55.48  | 38.95    | 19.38  | 66.72  | -      | -       | P     | H     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 12810     | 47.94      | -40.26 | 88.2       | 55.56  | 39.5     | 19.73  | 66.85  | -      | -       | P     | H     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 17895     | 53.91      | -20.09 | 74         | 57.05  | 42.65    | 23.74  | 69.53  | -      | -       | P     | H     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 17895     | 43.47      | -10.53 | 54         | 46.61  | 42.65    | 23.74  | 69.53  | -      | -       | A     | H     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 18255     | 33.5       | -40.5  | 74         | 36.37  | 37.92    | 14.25  | 55.04  | -      | -       | P     | H     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 18615     | 36.19      | -37.81 | 74         | 36.92  | 38.08    | 14.43  | 53.24  | -      | -       | P     | H     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 19215     | 35.37      | -38.63 | 74         | 36.66  | 38.02    | 14.73  | 54.04  | -      | -       | P     | H     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 11930     | 47.11      | -26.89 | 74         | 56.01  | 38.77    | 18.98  | 66.65  | -      | -       | P     | V     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 12170     | 48.12      | -25.88 | 74         | 56.01  | 39.27    | 19.17  | 66.33  | -      | -       | P     | V     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 12170     | 38.21      | -15.79 | 54         | 46.1   | 39.27    | 19.17  | 66.33  | -      | -       | A     | V     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 12410     | 46.96      | -27.04 | 74         | 55.35  | 38.95    | 19.38  | 66.72  | -      | -       | P     | V     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 12810     | 48.54      | -39.66 | 88.2       | 56.16  | 39.5     | 19.73  | 66.85  | -      | -       | P     | V     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 17895     | 53.72      | -20.28 | 74         | 56.86  | 42.65    | 23.74  | 69.53  | -      | -       | P     | V     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 17895     | 43.38      | -10.62 | 54         | 46.52  | 42.65    | 23.74  | 69.53  | -      | -       | A     | V     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 18255     | 33.69      | -40.31 | 74         | 36.46  | 38.02    | 14.25  | 55.04  | -      | -       | P     | V     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 18615     | 35.8       | -38.2  | 74         | 36.4   | 38.21    | 14.43  | 53.24  | -      | -       | P     | V     |
|                                                                                                                  |                                                                                                                                                                                                                                        | 19215     | 35.59      | -38.41 | 74         | 36.83  | 38.07    | 14.73  | 54.04  | -      | -       | P     | V     |
| Remark                                                                                                           | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |           |            |        |            |        |          |        |        |        |         |       |       |



## UNII 7 - 6525~6875MHz

## Multiple carrier\_contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| WIFI<br>Ant.<br>16Tx                                                                                         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|--------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>6445 MHz<br>+6585 MHz<br>+6625 MHz<br>+6665 MHz | *    | 6545                 | 105.73              | -                | -                           | 87.33                   | 35.3                          | 13.84                  | 30.74                      | 178                  | 191                     | P                     | H             |
|                                                                                                              | *    | 6585                 | 111.95              | -                | -                           | 93.25                   | 35.62                         | 13.87                  | 30.79                      | 178                  | 191                     | P                     | H             |
|                                                                                                              | *    | 6625                 | 110.23              | -                | -                           | 91.3                    | 35.86                         | 13.9                   | 30.83                      | 178                  | 191                     | P                     | H             |
|                                                                                                              | *    | 6665                 | 110.94              | -                | -                           | 91.88                   | 35.99                         | 13.94                  | 30.87                      | 178                  | 191                     | P                     | H             |
|                                                                                                              |      | 6383                 | 61.46               | -6.74            | 68.2                        | 43.6                    | 34.65                         | 13.73                  | 30.52                      | 178                  | 191                     | A                     | H             |
|                                                                                                              |      | 6467                 | 63.78               | -4.42            | 68.2                        | 45.72                   | 34.9                          | 13.79                  | 30.63                      | 178                  | 191                     | A                     | H             |
|                                                                                                              | *    | 6545                 | 99.56               | -                | -                           | 81.16                   | 35.3                          | 13.84                  | 30.74                      | 178                  | 191                     | A                     | H             |
|                                                                                                              | *    | 6585                 | 102.41              | -                | -                           | 83.71                   | 35.62                         | 13.87                  | 30.79                      | 178                  | 191                     | A                     | H             |
|                                                                                                              | *    | 6625                 | 100.25              | -                | -                           | 81.32                   | 35.86                         | 13.9                   | 30.83                      | 178                  | 191                     | A                     | H             |
|                                                                                                              | *    | 6665                 | 100.92              | -                | -                           | 81.86                   | 35.99                         | 13.94                  | 30.87                      | 178                  | 191                     | A                     | H             |
|                                                                                                              |      | 6705                 | 57.89               | -10.31           | 68.2                        | 38.77                   | 36.03                         | 13.98                  | 30.89                      | 178                  | 191                     | A                     | H             |
|                                                                                                              |      | 6782                 | 62.81               | -5.39            | 68.2                        | 43.64                   | 36.06                         | 14.06                  | 30.95                      | 178                  | 191                     | A                     | H             |
|                                                                                                              |      | 6824                 | 56.78               | -11.42           | 68.2                        | 37.69                   | 35.99                         | 14.11                  | 31.01                      | 178                  | 191                     | A                     | H             |
|                                                                                                              |      | 7398                 | 52.68               | -1.32            | 54                          | 31.12                   | 36.57                         | 14.71                  | 29.72                      | 178                  | 191                     | A                     | H             |
|                                                                                                              | *    | 6545                 | 106.72              | -                | -                           | 88.32                   | 35.3                          | 13.84                  | 30.74                      | 182                  | 179                     | P                     | V             |
|                                                                                                              | *    | 6585                 | 109.77              | -                | -                           | 91.07                   | 35.62                         | 13.87                  | 30.79                      | 182                  | 179                     | P                     | V             |
|                                                                                                              | *    | 6625                 | 99.97               | -                | -                           | 81.04                   | 35.86                         | 13.9                   | 30.83                      | 182                  | 179                     | P                     | V             |
|                                                                                                              | *    | 6665                 | 100.41              | -                | -                           | 81.35                   | 35.99                         | 13.94                  | 30.87                      | 182                  | 179                     | P                     | V             |



| WIFI<br>Ant.<br>16Tx                                                                                         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>6445 MHz<br>+6585 MHz<br>+6625 MHz<br>+6665 MHz |                                                                                             | 6383                 | 61.18               | -7.02            | 68.2                        | 43.32                   | 34.65                         | 13.73                  | 30.52                      | 182                  | 179                     | A                     | V             |
|                                                                                                              |                                                                                             | 6425                 | 56.88               | -11.32           | 68.2                        | 38.93                   | 34.76                         | 13.77                  | 30.58                      | 182                  | 179                     | A                     | V             |
|                                                                                                              |                                                                                             | 6467                 | 55.98               | -12.22           | 68.2                        | 37.92                   | 34.9                          | 13.79                  | 30.63                      | 182                  | 179                     | A                     | V             |
|                                                                                                              | *                                                                                           | 6545                 | 99.67               | -                | -                           | 81.27                   | 35.3                          | 13.84                  | 30.74                      | 182                  | 179                     | A                     | V             |
|                                                                                                              | *                                                                                           | 6585                 | 99.77               | -                | -                           | 81.07                   | 35.62                         | 13.87                  | 30.79                      | 182                  | 179                     | A                     | V             |
|                                                                                                              | *                                                                                           | 6625                 | 91.38               | -                | -                           | 72.45                   | 35.86                         | 13.9                   | 30.83                      | 182                  | 179                     | A                     | V             |
|                                                                                                              | *                                                                                           | 6665                 | 90.47               | -                | -                           | 71.41                   | 35.99                         | 13.94                  | 30.87                      | 182                  | 179                     | A                     | V             |
|                                                                                                              |                                                                                             | 6705                 | 60.28               | -7.92            | 68.2                        | 41.16                   | 36.03                         | 13.98                  | 30.89                      | 182                  | 179                     | A                     | V             |
|                                                                                                              |                                                                                             | 6747                 | 54.76               | -13.44           | 68.2                        | 35.53                   | 36.1                          | 14.03                  | 30.9                       | 182                  | 179                     | A                     | V             |
|                                                                                                              |                                                                                             | 7370                 | 52.53               | -1.47            | 54                          | 30.93                   | 36.69                         | 14.67                  | 29.76                      | 182                  | 179                     | A                     | V             |
| Remark                                                                                                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



| WIFI<br>Ant.<br>16Tx                                                                                         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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 ) |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|---------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-------------------------|-----------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>6645 MHz<br>+6685 MHz<br>+6725 MHz<br>+6765 MHz | *                                                                                           | 6645                 | 107.73              | -                | -                           | 88.7                      | 35.95                         | 13.93                  | 30.85                      | 185                  | 188                     | P                       | H               |
|                                                                                                              | *                                                                                           | 6685                 | 112.88              | -                | -                           | 93.78                     | 36.01                         | 13.97                  | 30.88                      | 185                  | 188                     | P                       | H               |
|                                                                                                              | *                                                                                           | 6725                 | 110.44              | -                | -                           | 91.27                     | 36.06                         | 14.01                  | 30.9                       | 185                  | 188                     | P                       | H               |
|                                                                                                              | *                                                                                           | 6765                 | 111.26              | -                | -                           | 92.05                     | 36.08                         | 14.05                  | 30.92                      | 185                  | 188                     | P                       | H               |
|                                                                                                              |                                                                                             | 6488                 | 60.75               | -7.45            | 68.2                        | 42.62                     | 34.98                         | 13.81                  | 30.66                      | 185                  | 188                     | A                       | H               |
|                                                                                                              |                                                                                             | 6565                 | 65.53               | -2.67            | 68.2                        | 46.99                     | 35.45                         | 13.86                  | 30.77                      | 185                  | 188                     | A                       | H               |
|                                                                                                              | *                                                                                           | 6645                 | 100.18              | -                | -                           | 81.15                     | 35.95                         | 13.93                  | 30.85                      | 185                  | 188                     | A                       | H               |
|                                                                                                              | *                                                                                           | 6685                 | 103.09              | -                | -                           | 83.99                     | 36.01                         | 13.97                  | 30.88                      | 185                  | 188                     | A                       | H               |
|                                                                                                              | *                                                                                           | 6725                 | 100.49              | -                | -                           | 81.32                     | 36.06                         | 14.01                  | 30.9                       | 185                  | 188                     | A                       | H               |
|                                                                                                              | *                                                                                           | 6765                 | 101.29              | -                | -                           | 82.08                     | 36.08                         | 14.05                  | 30.92                      | 185                  | 188                     | A                       | H               |
|                                                                                                              |                                                                                             | 6887                 | 62.32               | -5.88            | 68.2                        | 43.33                     | 35.84                         | 14.18                  | 31.03                      | 185                  | 188                     | A                       | H               |
|                                                                                                              |                                                                                             | 6922                 | 56.77               | -11.43           | 68.2                        | 37.76                     | 35.8                          | 14.22                  | 31.01                      | 185                  | 188                     | A                       | H               |
|                                                                                                              |                                                                                             | 7370                 | 52.55               | -1.45            | 54                          | 30.95                     | 36.69                         | 14.67                  | 29.76                      | 185                  | 188                     | A                       | H               |
|                                                                                                              | *                                                                                           | 6645                 | 106.49              | -                | -                           | 87.46                     | 35.95                         | 13.93                  | 30.85                      | 176                  | 179                     | P                       | V               |
|                                                                                                              | *                                                                                           | 6685                 | 109.61              | -                | -                           | 90.51                     | 36.01                         | 13.97                  | 30.88                      | 176                  | 179                     | P                       | V               |
|                                                                                                              | *                                                                                           | 6725                 | 101.13              | -                | -                           | 81.96                     | 36.06                         | 14.01                  | 30.9                       | 176                  | 179                     | P                       | V               |
|                                                                                                              | *                                                                                           | 6765                 | 101.14              | -                | -                           | 81.93                     | 36.08                         | 14.05                  | 30.92                      | 176                  | 179                     | P                       | V               |
|                                                                                                              |                                                                                             | 6488                 | 61.74               | -6.46            | 68.2                        | 43.61                     | 34.98                         | 13.81                  | 30.66                      | 176                  | 179                     | A                       | V               |
|                                                                                                              |                                                                                             | 6523                 | 55.41               | -12.79           | 68.2                        | 37.13                     | 35.16                         | 13.83                  | 30.71                      | 176                  | 179                     | A                       | V               |
|                                                                                                              |                                                                                             | 6565                 | 54.66               | -13.54           | 68.2                        | 36.12                     | 35.45                         | 13.86                  | 30.77                      | 176                  | 179                     | A                       | V               |
|                                                                                                              | *                                                                                           | 6645                 | 99.47               | -                | -                           | 80.44                     | 35.95                         | 13.93                  | 30.85                      | 176                  | 179                     | A                       | V               |
|                                                                                                              | *                                                                                           | 6685                 | 99.66               | -                | -                           | 80.56                     | 36.01                         | 13.97                  | 30.88                      | 176                  | 179                     | A                       | V               |
|                                                                                                              | *                                                                                           | 6725                 | 91.92               | -                | -                           | 72.75                     | 36.06                         | 14.01                  | 30.9                       | 176                  | 179                     | A                       | V               |
|                                                                                                              | *                                                                                           | 6765                 | 91.65               | -                | -                           | 72.44                     | 36.08                         | 14.05                  | 30.92                      | 176                  | 179                     | A                       | V               |
|                                                                                                              |                                                                                             | 6803                 | 61.1                | -7.1             | 68.2                        | 41.98                     | 36.02                         | 14.08                  | 30.98                      | 176                  | 179                     | A                       | V               |
|                                                                                                              |                                                                                             | 6845                 | 55.35               | -12.85           | 68.2                        | 36.31                     | 35.95                         | 14.13                  | 31.04                      | 176                  | 179                     | A                       | V               |
|                                                                                                              |                                                                                             | 7398                 | 52.7                | -1.3             | 54                          | 31.14                     | 36.57                         | 14.71                  | 29.72                      | 176                  | 179                     | A                       | V               |
| Remark                                                                                                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                           |                               |                        |                            |                      |                         |                         |                 |



| WIFI<br>Ant.<br>16Tx                                                                                         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|--------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>6735 MHz<br>+6775 MHz<br>+6815 MHz<br>+6855 MHz | *    | 6735                 | 109.9               | -                | -                           | 90.7                    | 36.08                         | 14.02                  | 30.9                       | 188                  | 182                     | P                     | H             |
|                                                                                                              | *    | 6775                 | 112.83              | -                | -                           | 93.65                   | 36.06                         | 14.06                  | 30.94                      | 188                  | 182                     | P                     | H             |
|                                                                                                              | *    | 6815                 | 108.65              | -                | -                           | 89.54                   | 36                            | 14.1                   | 30.99                      | 188                  | 182                     | P                     | H             |
|                                                                                                              | *    | 6855                 | 109.19              | -                | -                           | 90.16                   | 35.93                         | 14.14                  | 31.04                      | 188                  | 182                     | P                     | H             |
|                                                                                                              |      | 6572                 | 61.05               | -7.15            | 68.2                        | 42.46                   | 35.51                         | 13.86                  | 30.78                      | 188                  | 182                     | A                     | H             |
|                                                                                                              |      | 6656                 | 64.95               | -3.25            | 68.2                        | 45.89                   | 35.98                         | 13.94                  | 30.86                      | 188                  | 182                     | A                     | H             |
|                                                                                                              |      | 6698                 | 58.63               | -9.57            | 68.2                        | 39.52                   | 36.02                         | 13.98                  | 30.89                      | 188                  | 182                     | A                     | H             |
|                                                                                                              | *    | 6735                 | 100.51              | -                | -                           | 81.31                   | 36.08                         | 14.02                  | 30.9                       | 188                  | 182                     | A                     | H             |
|                                                                                                              | *    | 6775                 | 102.78              | -                | -                           | 83.6                    | 36.06                         | 14.06                  | 30.94                      | 188                  | 182                     | A                     | H             |
|                                                                                                              | *    | 6815                 | 99.1                | -                | -                           | 79.99                   | 36                            | 14.1                   | 30.99                      | 188                  | 182                     | A                     | H             |
|                                                                                                              | *    | 6855                 | 99.18               | -                | -                           | 80.15                   | 35.93                         | 14.14                  | 31.04                      | 188                  | 182                     | A                     | H             |
|                                                                                                              |      | 6978                 | 60.7                | -7.5             | 68.2                        | 41.5                    | 35.89                         | 14.28                  | 30.97                      | 188                  | 182                     | A                     | H             |
|                                                                                                              |      | 7384                 | 52.62               | -1.38            | 54                          | 31.04                   | 36.63                         | 14.69                  | 29.74                      | 188                  | 182                     | A                     | H             |
|                                                                                                              |      | 7203.96              | 59.98               | -28.22           | 88.2                        | 38.89                   | 36.9                          | 14.47                  | 30.28                      | 188                  | 182                     | P                     | H             |
|                                                                                                              |      | 7239.34              | 51.08               | -17.12           | 68.2                        | 29.68                   | 37.03                         | 14.52                  | 30.15                      | 188                  | 182                     | A                     | H             |
|                                                                                                              | *    | 6735                 | 107.24              | -                | -                           | 88.04                   | 36.08                         | 14.02                  | 30.9                       | 180                  | 173                     | P                     | V             |
|                                                                                                              | *    | 6775                 | 110.23              | -                | -                           | 91.05                   | 36.06                         | 14.06                  | 30.94                      | 180                  | 173                     | P                     | V             |
|                                                                                                              | *    | 6815                 | 102.47              | -                | -                           | 83.36                   | 36                            | 14.1                   | 30.99                      | 180                  | 173                     | P                     | V             |
|                                                                                                              | *    | 6855                 | 101.91              | -                | -                           | 82.88                   | 35.93                         | 14.14                  | 31.04                      | 180                  | 173                     | P                     | V             |



| WIFI<br>Ant.<br>16Tx                                                                                         | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>6735 MHz<br>+6775 MHz<br>+6815 MHz<br>+6855 MHz |                                                                                             | 6572                 | 60.44               | -7.76            | 68.2                        | 41.85                   | 35.51                         | 13.86                  | 30.78                      | 180                  | 173                     | A                     | V             |
|                                                                                                              |                                                                                             | 6614                 | 54.92               | -13.28           | 68.2                        | 36.05                   | 35.8                          | 13.89                  | 30.82                      | 180                  | 173                     | A                     | V             |
|                                                                                                              |                                                                                             | 6656                 | 53.95               | -14.25           | 68.2                        | 34.89                   | 35.98                         | 13.94                  | 30.86                      | 180                  | 173                     | A                     | V             |
|                                                                                                              | *                                                                                           | 6735                 | 98.47               | -                | -                           | 79.27                   | 36.08                         | 14.02                  | 30.9                       | 180                  | 173                     | A                     | V             |
|                                                                                                              | *                                                                                           | 6775                 | 100.28              | -                | -                           | 81.1                    | 36.06                         | 14.06                  | 30.94                      | 180                  | 173                     | A                     | V             |
|                                                                                                              | *                                                                                           | 6815                 | 92.19               | -                | -                           | 73.08                   | 36                            | 14.1                   | 30.99                      | 180                  | 173                     | A                     | V             |
|                                                                                                              | *                                                                                           | 6855                 | 91.98               | -                | -                           | 72.95                   | 35.93                         | 14.14                  | 31.04                      | 180                  | 173                     | A                     | V             |
|                                                                                                              |                                                                                             | 6894                 | 60.41               | -7.79            | 68.2                        | 41.42                   | 35.83                         | 14.19                  | 31.03                      | 180                  | 173                     | A                     | V             |
|                                                                                                              |                                                                                             | 6936                 | 55.88               | -12.32           | 68.2                        | 36.84                   | 35.8                          | 14.24                  | 31                         | 180                  | 173                     | A                     | V             |
|                                                                                                              |                                                                                             | 6978                 | 52.58               | -15.62           | 68.2                        | 33.38                   | 35.89                         | 14.28                  | 30.97                      | 180                  | 173                     | A                     | V             |
|                                                                                                              |                                                                                             | 7398                 | 52.64               | -1.36            | 54                          | 31.08                   | 36.57                         | 14.71                  | 29.72                      | 180                  | 173                     | A                     | V             |
| Remark                                                                                                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



## UNII 7 - 6525~6875MHz

## Multiple carrier\_contiguous 40M+40M+40M+40M (Harmonic @ 3m)

| WIFI<br>Ant.<br>16Tx                                                                                        | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|-------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>6545 MHz<br>+6585 MHz<br>+6625 MHz<br>+6665MHz |      | 13090                | 48.8                | -39.4            | 88.2                        | 56.07                   | 39.74                         | 19.97                  | 66.98                      | -                    | -                       | P                     | H             |
|                                                                                                             |      | 13170                | 48.38               | -39.82           | 88.2                        | 55.83                   | 39.8                          | 20.03                  | 67.28                      | -                    | -                       | P                     | H             |
|                                                                                                             |      | 13250                | 48.4                | -25.6            | 74                          | 55.86                   | 39.96                         | 20.11                  | 67.53                      | -                    | -                       | P                     | H             |
|                                                                                                             |      | 13250                | 39.03               | -14.97           | 54                          | 46.49                   | 39.96                         | 20.11                  | 67.53                      | -                    | -                       | A                     | H             |
|                                                                                                             |      | 13330                | 50.44               | -23.56           | 74                          | 57.49                   | 40.1                          | 20.18                  | 67.33                      | -                    | -                       | P                     | H             |
|                                                                                                             |      | 13330                | 39.46               | -14.54           | 54                          | 46.51                   | 40.1                          | 20.18                  | 67.33                      | -                    | -                       | A                     | H             |
|                                                                                                             |      | 19635                | 38.63               | -35.37           | 74                          | 37.45                   | 37.97                         | 14.93                  | 51.72                      | -                    | -                       | P                     | H             |
|                                                                                                             |      | 19755                | 38.81               | -35.19           | 74                          | 37.37                   | 37.96                         | 14.99                  | 51.51                      | -                    | -                       | P                     | H             |
|                                                                                                             |      | 19875                | 37.33               | -36.67           | 74                          | 35.68                   | 37.98                         | 15.05                  | 51.38                      | -                    | -                       | P                     | H             |
|                                                                                                             |      | 19995                | 36                  | -38              | 74                          | 34.7                    | 37.99                         | 15.11                  | 51.8                       | -                    | -                       | P                     | H             |
|                                                                                                             |      | 13090                | 48.24               | -39.96           | 88.2                        | 55.51                   | 39.74                         | 19.97                  | 66.98                      | -                    | -                       | P                     | V             |
|                                                                                                             |      | 13170                | 49.14               | -39.06           | 88.2                        | 56.59                   | 39.8                          | 20.03                  | 67.28                      | -                    | -                       | P                     | V             |
|                                                                                                             |      | 13250                | 48.72               | -25.28           | 74                          | 56.18                   | 39.96                         | 20.11                  | 67.53                      | -                    | -                       | P                     | V             |
|                                                                                                             |      | 13250                | 39.08               | -14.92           | 54                          | 46.54                   | 39.96                         | 20.11                  | 67.53                      | -                    | -                       | A                     | V             |
|                                                                                                             |      | 13330                | 49.15               | -24.85           | 74                          | 56.2                    | 40.1                          | 20.18                  | 67.33                      | -                    | -                       | P                     | V             |
|                                                                                                             |      | 13330                | 39.47               | -14.53           | 54                          | 46.52                   | 40.1                          | 20.18                  | 67.33                      | -                    | -                       | A                     | V             |
|                                                                                                             |      | 19635                | 37.37               | -36.63           | 74                          | 36.11                   | 38.05                         | 14.93                  | 51.72                      | -                    | -                       | P                     | V             |
|                                                                                                             |      | 19755                | 38.23               | -35.77           | 74                          | 36.68                   | 38.07                         | 14.99                  | 51.51                      | -                    | -                       | P                     | V             |
|                                                                                                             |      | 19875                | 36.88               | -37.12           | 74                          | 35.12                   | 38.09                         | 15.05                  | 51.38                      | -                    | -                       | P                     | V             |
|                                                                                                             |      | 19995                | 37.22               | -36.78           | 74                          | 35.82                   | 38.09                         | 15.11                  | 51.8                       | -                    | -                       | P                     | V             |



| WIFI<br>Ant.<br>16Tx                                                                                         | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|--------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>6645 MHz<br>+6685 MHz<br>+6725 MHz<br>+6765 MHz |      | 13290                | 48.87               | -25.13           | 74                          | 56.18                   | 40.03                         | 20.14                  | 67.48                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 13290                | 39.07               | -14.93           | 54                          | 46.38                   | 40.03                         | 20.14                  | 67.48                      | -                    | -                       | A                     | H             |
|                                                                                                              |      | 13370                | 49.97               | -24.03           | 74                          | 56.65                   | 40.21                         | 20.21                  | 67.1                       | -                    | -                       | P                     | H             |
|                                                                                                              |      | 13370                | 39.59               | -14.41           | 54                          | 46.27                   | 40.21                         | 20.21                  | 67.1                       | -                    | -                       | A                     | H             |
|                                                                                                              |      | 13450                | 49.82               | -38.38           | 88.2                        | 55.6                    | 40.55                         | 20.28                  | 66.61                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 13530                | 51.4                | -36.8            | 88.2                        | 56.85                   | 40.74                         | 20.35                  | 66.54                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 19935                | 36.32               | -37.68           | 74                          | 34.77                   | 37.99                         | 15.08                  | 51.52                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 20055                | 37.86               | -36.14           | 74                          | 36.44                   | 38.05                         | 15.16                  | 51.79                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 20175                | 37.64               | -36.36           | 74                          | 36.32                   | 38.1                          | 15.27                  | 52.05                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 20295                | 37.65               | -36.35           | 74                          | 35.81                   | 38.17                         | 15.38                  | 51.71                      | -                    | -                       | P                     | H             |
|                                                                                                              |      | 13290                | 48.1                | -25.9            | 74                          | 55.41                   | 40.03                         | 20.14                  | 67.48                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 13290                | 39.1                | -14.9            | 54                          | 46.41                   | 40.03                         | 20.14                  | 67.48                      | -                    | -                       | A                     | V             |
|                                                                                                              |      | 13370                | 49.33               | -24.67           | 74                          | 56.01                   | 40.21                         | 20.21                  | 67.1                       | -                    | -                       | P                     | V             |
|                                                                                                              |      | 13370                | 39.62               | -14.38           | 54                          | 46.3                    | 40.21                         | 20.21                  | 67.1                       | -                    | -                       | A                     | V             |
|                                                                                                              |      | 13450                | 49.06               | -39.14           | 88.2                        | 54.84                   | 40.55                         | 20.28                  | 66.61                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 13530                | 50.15               | -38.05           | 88.2                        | 55.6                    | 40.74                         | 20.35                  | 66.54                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 19935                | 36.37               | -37.63           | 74                          | 34.72                   | 38.09                         | 15.08                  | 51.52                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 20055                | 36.91               | -37.09           | 74                          | 35.41                   | 38.13                         | 15.16                  | 51.79                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 20175                | 38.1                | -35.9            | 74                          | 36.78                   | 38.1                          | 15.27                  | 52.05                      | -                    | -                       | P                     | V             |
|                                                                                                              |      | 20295                | 37.19               | -36.81           | 74                          | 35.47                   | 38.05                         | 15.38                  | 51.71                      | -                    | -                       | P                     | V             |





| WIFI<br>Ant.<br>16Tx                                                                                         | Note                                                                                                                                                                                                                                   | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_<br>contiguous<br>40M+40M<br>+40M+40M<br>6735 MHz<br>+6775 MHz<br>+6815 MHz<br>+6855 MHz |                                                                                                                                                                                                                                        | 13470                | 49.2                | -39              | 88.2                        | 54.88                   | 40.6                          | 20.29                  | 66.57                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 13550                | 51.12               | -37.08           | 88.2                        | 56.53                   | 40.78                         | 20.36                  | 66.55                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 13630                | 49.97               | -38.23           | 88.2                        | 55.95                   | 40.73                         | 20.43                  | 67.14                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 13710                | 49.71               | -38.49           | 88.2                        | 55.8                    | 40.7                          | 20.5                   | 67.29                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 20205                | 37.88               | -36.12           | 74                          | 36.6                    | 38.1                          | 15.3                   | 52.12                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 20325                | 37.87               | -36.13           | 74                          | 35.89                   | 38.18                         | 15.41                  | 51.61                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 20445                | 37.32               | -36.68           | 74                          | 34.52                   | 38.21                         | 15.52                  | 50.93                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 20565                | 38.59               | -35.41           | 74                          | 34.93                   | 38.26                         | 15.63                  | 50.23                      | -                    | -                       | P                     | H             |
|                                                                                                              |                                                                                                                                                                                                                                        | 13470                | 49.71               | -38.49           | 88.2                        | 55.39                   | 40.6                          | 20.29                  | 66.57                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 13550                | 50.32               | -37.88           | 88.2                        | 55.73                   | 40.78                         | 20.36                  | 66.55                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 13630                | 49.55               | -38.65           | 88.2                        | 55.53                   | 40.73                         | 20.43                  | 67.14                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 13710                | 49.42               | -38.78           | 88.2                        | 55.51                   | 40.7                          | 20.5                   | 67.29                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 20205                | 37.18               | -36.82           | 74                          | 35.92                   | 38.08                         | 15.3                   | 52.12                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 20325                | 36.81               | -37.19           | 74                          | 34.93                   | 38.08                         | 15.41                  | 51.61                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 20445                | 38.21               | -35.79           | 74                          | 35.45                   | 38.17                         | 15.52                  | 50.93                      | -                    | -                       | P                     | V             |
|                                                                                                              |                                                                                                                                                                                                                                        | 20565                | 39.55               | -34.45           | 74                          | 35.96                   | 38.19                         | 15.63                  | 50.23                      | -                    | -                       | P                     | V             |
| Remark                                                                                                       | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



## UNII 7 - 6525~6875MHz

## Multiple carrier\_non-contiguous 40M+40M+40M+40M (Band Edge @ 3m)

| WIFI<br>Ant.<br>16Tx                                                                                             | Note | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|------------------------------------------------------------------------------------------------------------------|------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
| Multiple<br>carrier_non-<br>contiguous<br>40M+40M<br>+40M+40M<br>6545 MHz<br>+6645 MHz<br>+6745 MHz<br>+6855 MHz |      | 5906.01              | 60.01               | -28.19           | 88.2                        | 42.32                   | 34.26                         | 13.15                  | 29.72                      | 174                  | 216                     | P                     | H             |
|                                                                                                                  |      | 5805                 | 51.05               | -17.15           | 68.2                        | 33.65                   | 34.04                         | 13.05                  | 29.69                      | 174                  | 216                     | A                     | H             |
|                                                                                                                  | *    | 6545                 | 105.04              | -                | -                           | 86.64                   | 35.3                          | 13.84                  | 30.74                      | 174                  | 216                     | P                     | H             |
|                                                                                                                  | *    | 6645                 | 93.27               | -                | -                           | 74.24                   | 35.95                         | 13.93                  | 30.85                      | 174                  | 216                     | P                     | H             |
|                                                                                                                  | *    | 6745                 | 101.9               | -                | -                           | 82.69                   | 36.09                         | 14.02                  | 30.9                       | 174                  | 216                     | P                     | H             |
|                                                                                                                  | *    | 6855                 | 102.28              | -                | -                           | 83.25                   | 35.93                         | 14.14                  | 31.04                      | 174                  | 216                     | P                     | H             |
|                                                                                                                  |      | 6145                 | 60.95               | -7.25            | 68.2                        | 43.29                   | 34.22                         | 13.43                  | 29.99                      | 174                  | 216                     | A                     | H             |
|                                                                                                                  |      | 6222                 | 54.88               | -13.32           | 68.2                        | 37.23                   | 34.28                         | 13.53                  | 30.16                      | 174                  | 216                     | A                     | H             |
|                                                                                                                  |      | 6348                 | 64.44               | -3.76            | 68.2                        | 46.65                   | 34.58                         | 13.69                  | 30.48                      | 174                  | 216                     | A                     | H             |
|                                                                                                                  |      | 6432                 | 55.79               | -12.41           | 68.2                        | 37.82                   | 34.78                         | 13.77                  | 30.58                      | 174                  | 216                     | A                     | H             |
|                                                                                                                  | *    | 6545                 | 95.14               | -                | -                           | 76.74                   | 35.3                          | 13.84                  | 30.74                      | 174                  | 216                     | A                     | H             |
|                                                                                                                  | *    | 6645                 | 89.99               | -                | -                           | 70.96                   | 35.95                         | 13.93                  | 30.85                      | 174                  | 216                     | A                     | H             |
|                                                                                                                  | *    | 6745                 | 97.7                | -                | -                           | 78.49                   | 36.09                         | 14.02                  | 30.9                       | 174                  | 216                     | A                     | H             |
|                                                                                                                  | *    | 6855                 | 92.21               | -                | -                           | 73.18                   | 35.93                         | 14.14                  | 31.04                      | 174                  | 216                     | A                     | H             |
|                                                                                                                  |      | 6943                 | 55.09               | -13.11           | 68.2                        | 36.06                   | 35.79                         | 14.24                  | 31                         | 174                  | 216                     | A                     | H             |
|                                                                                                                  |      | 7146                 | 56.68               | -11.52           | 68.2                        | 36.12                   | 36.62                         | 14.43                  | 30.49                      | 174                  | 216                     | A                     | H             |
|                                                                                                                  |      | 7398                 | 52.51               | -1.49            | 54                          | 30.95                   | 36.57                         | 14.71                  | 29.72                      | 174                  | 216                     | A                     | H             |
|                                                                                                                  |      | 7162.16              | 61.36               | -26.84           | 88.2                        | 40.65                   | 36.7                          | 14.44                  | 30.43                      | 174                  | 216                     | P                     | H             |
|                                                                                                                  |      | 7144.68              | 56.59               | -11.61           | 68.2                        | 36.05                   | 36.61                         | 14.43                  | 30.5                       | 174                  | 216                     | A                     | H             |
|                                                                                                                  |      | 5893.8               | 59.08               | -29.12           | 88.2                        | 41.4                    | 34.26                         | 13.14                  | 29.72                      | 172                  | 178                     | P                     | V             |
|                                                                                                                  |      | 5805                 | 48.93               | -19.27           | 68.2                        | 31.53                   | 34.04                         | 13.05                  | 29.69                      | 172                  | 178                     | A                     | V             |
|                                                                                                                  | *    | 6545                 | 106.43              | -                | -                           | 88.03                   | 35.3                          | 13.84                  | 30.74                      | 172                  | 178                     | P                     | V             |
|                                                                                                                  | *    | 6645                 | 110.56              | -                | -                           | 91.53                   | 35.95                         | 13.93                  | 30.85                      | 172                  | 178                     | P                     | V             |
|                                                                                                                  | *    | 6745                 | 101.61              | -                | -                           | 82.4                    | 36.09                         | 14.02                  | 30.9                       | 172                  | 178                     | P                     | V             |
|                                                                                                                  | *    | 6855                 | 102.12              | -                | -                           | 83.09                   | 35.93                         | 14.14                  | 31.04                      | 172                  | 178                     | P                     | V             |



| WIFI<br>Ant.<br>16Tx | Note                                                                                        | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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) |
|----------------------|---------------------------------------------------------------------------------------------|----------------------|---------------------|------------------|-----------------------------|-------------------------|-------------------------------|------------------------|----------------------------|----------------------|-------------------------|-----------------------|---------------|
|                      |                                                                                             | 6145                 | 60.65               | -7.55            | 68.2                        | 42.99                   | 34.22                         | 13.43                  | 29.99                      | 172                  | 178                     | A                     | V             |
|                      |                                                                                             | 6222                 | 57.39               | -10.81           | 68.2                        | 39.74                   | 34.28                         | 13.53                  | 30.16                      | 172                  | 178                     | A                     | V             |
|                      |                                                                                             | 6348                 | 57.01               | -11.19           | 68.2                        | 39.22                   | 34.58                         | 13.69                  | 30.48                      | 172                  | 178                     | A                     | V             |
|                      | *                                                                                           | 6545                 | 99.43               | -                | -                           | 81.03                   | 35.3                          | 13.84                  | 30.74                      | 172                  | 178                     | A                     | V             |
|                      | *                                                                                           | 6645                 | 100.53              | -                | -                           | 81.5                    | 35.95                         | 13.93                  | 30.85                      | 172                  | 178                     | A                     | V             |
|                      | *                                                                                           | 6745                 | 92.33               | -                | -                           | 73.12                   | 36.09                         | 14.02                  | 30.9                       | 172                  | 178                     | A                     | V             |
|                      | *                                                                                           | 6855                 | 92.35               | -                | -                           | 73.32                   | 35.93                         | 14.14                  | 31.04                      | 172                  | 178                     | A                     | V             |
|                      |                                                                                             | 6943                 | 60.7                | -7.5             | 68.2                        | 41.67                   | 35.79                         | 14.24                  | 31                         | 172                  | 178                     | A                     | V             |
|                      |                                                                                             | 7062                 | 53.96               | -14.24           | 68.2                        | 34.18                   | 36.18                         | 14.36                  | 30.76                      | 172                  | 178                     | A                     | V             |
|                      |                                                                                             | 7412                 | 52.6                | -1.4             | 54                          | 31.09                   | 36.52                         | 14.72                  | 29.73                      | 172                  | 178                     | A                     | V             |
|                      |                                                                                             | 7212.32              | 60.96               | -27.24           | 88.2                        | 39.8                    | 36.93                         | 14.48                  | 30.25                      | 172                  | 178                     | P                     | V             |
|                      |                                                                                             | 7244.24              | 51.2                | -17              | 68.2                        | 29.76                   | 37.05                         | 14.52                  | 30.13                      | 172                  | 178                     | A                     | V             |
| <b>Remark</b>        | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |

**UNII 7 - 6525~6875MHz**
**Multiple carrier\_non-contiguous 40M+40M+40M+40M (Harmonic @ 3m)**

| WIFI<br>Ant.<br>16Tx                                                                                                            | Note                                                                                                                                                                                                                                   | Frequency<br>( MHz ) | Level<br>( dBμV/m ) | Margin<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>Multiple<br/>carrier_non-<br/>contiguous<br/>40M+40M<br/>+40M+40M<br/>6545 MHz<br/>+6645 MHz<br/>+6745 MHz<br/>+6855 MHz</b> |                                                                                                                                                                                                                                        | 13090                | 48.82               | -39.38           | 88.2                        | 56.09                   | 39.74                         | 19.97                  | 66.98                      | -                    | -                       | P                     | H             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 13290                | 49.6                | -24.4            | 74                          | 56.91                   | 40.03                         | 20.14                  | 67.48                      | -                    | -                       | P                     | H             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 13290                | 39.08               | -14.92           | 54                          | 46.39                   | 40.03                         | 20.14                  | 67.48                      | -                    | -                       | A                     | H             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 13490                | 50.62               | -37.58           | 88.2                        | 56.2                    | 40.65                         | 20.31                  | 66.54                      | -                    | -                       | P                     | H             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 13710                | 50.65               | -37.55           | 88.2                        | 56.74                   | 40.7                          | 20.5                   | 67.29                      | -                    | -                       | P                     | H             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 19635                | 38.74               | -35.26           | 74                          | 37.56                   | 37.97                         | 14.93                  | 51.72                      | -                    | -                       | P                     | H             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 19935                | 36.76               | -37.24           | 74                          | 35.21                   | 37.99                         | 15.08                  | 51.52                      | -                    | -                       | P                     | H             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 20235                | 37.55               | -36.45           | 74                          | 36.07                   | 38.13                         | 15.33                  | 51.98                      | -                    | -                       | P                     | H             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 20565                | 38.85               | -35.15           | 74                          | 35.19                   | 38.26                         | 15.63                  | 50.23                      | -                    | -                       | P                     | H             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 13090                | 49.02               | -39.18           | 88.2                        | 56.29                   | 39.74                         | 19.97                  | 66.98                      | -                    | -                       | P                     | V             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 13290                | 49.12               | -24.88           | 74                          | 56.43                   | 40.03                         | 20.14                  | 67.48                      | -                    | -                       | P                     | V             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 13490                | 51.32               | -36.88           | 88.2                        | 56.9                    | 40.65                         | 20.31                  | 66.54                      | -                    | -                       | P                     | V             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 13490                | 40.83               | -27.37           | 68.2                        | 46.41                   | 40.65                         | 20.31                  | 66.54                      | -                    | -                       | A                     | V             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 13710                | 49.88               | -38.32           | 88.2                        | 55.97                   | 40.7                          | 20.5                   | 67.29                      | -                    | -                       | P                     | V             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 19635                | 37.53               | -36.47           | 74                          | 36.27                   | 38.05                         | 14.93                  | 51.72                      | -                    | -                       | P                     | V             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 19935                | 37.79               | -36.21           | 74                          | 36.14                   | 38.09                         | 15.08                  | 51.52                      | -                    | -                       | P                     | V             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 20235                | 37.66               | -36.34           | 74                          | 36.24                   | 38.07                         | 15.33                  | 51.98                      | -                    | -                       | P                     | V             |
|                                                                                                                                 |                                                                                                                                                                                                                                        | 20565                | 38.59               | -35.41           | 74                          | 35                      | 38.19                         | 15.63                  | 50.23                      | -                    | -                       | P                     | V             |
| <b>Remark</b>                                                                                                                   | 1. No other spurious found.<br>2. All results are PASS against Peak and Average limit line.<br>3. The emission position marked as "-" means no suspected emission found with sufficient margin against limit line or noise floor only. |                      |                     |                  |                             |                         |                               |                        |                            |                      |                         |                       |               |



## Emission below 1GHz

(LF @ 3m)

| WIFI   | Note                                                                                                                                                   | Frequency | Level      | Margin | Limit      | Read   | Antenna  | Path   | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
| Ant.   |                                                                                                                                                        |           |            |        | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
| 16Tx   |                                                                                                                                                        | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| LF     |                                                                                                                                                        | 129.91    | 29.49      | -14.01 | 43.5       | 42.27  | 17.7     | 1.91   | 32.46  | -      | -       | P     | H     |
|        |                                                                                                                                                        | 283.17    | 35.95      | -10.05 | 46         | 46.6   | 18.8     | 2.84   | 32.42  | -      | -       | P     | H     |
|        |                                                                                                                                                        | 581.93    | 38.26      | -7.74  | 46         | 40.68  | 25.88    | 4.04   | 32.51  | -      | -       | P     | H     |
|        |                                                                                                                                                        | 741.98    | 41.59      | -4.41  | 46         | 40.9   | 28.04    | 4.57   | 32.33  | 129    | 340     | Q     | H     |
|        |                                                                                                                                                        | 761.38    | 41.19      | -4.81  | 46         | 39.95  | 28.4     | 4.63   | 32.2   | -      | -       | P     | H     |
|        |                                                                                                                                                        | 940.83    | 36.31      | -9.69  | 46         | 31.45  | 30.53    | 5.15   | 31.17  | -      | -       | P     | H     |
|        |                                                                                                                                                        |           |            |        |            |        |          |        |        |        |         |       | H     |
|        |                                                                                                                                                        |           |            |        |            |        |          |        |        |        |         |       | H     |
|        |                                                                                                                                                        | 115.36    | 31.04      | -12.46 | 43.5       | 44.3   | 17.32    | 1.81   | 32.47  | -      | -       | P     | V     |
|        |                                                                                                                                                        | 221.09    | 33.73      | -12.27 | 46         | 48.3   | 15.31    | 2.51   | 32.48  | -      | -       | P     | V     |
|        |                                                                                                                                                        | 581.93    | 40.6       | -5.4   | 46         | 43.02  | 25.88    | 4.04   | 32.51  | -      | -       | P     | V     |
|        |                                                                                                                                                        | 741.98    | 44.19      | -1.81  | 46         | 43.5   | 28.04    | 4.57   | 32.33  | 135    | 10      | Q     | V     |
|        |                                                                                                                                                        | 761.38    | 42.5       | -3.5   | 46         | 41.26  | 28.4     | 4.63   | 32.2   | -      | -       | P     | V     |
|        |                                                                                                                                                        | 940.83    | 38.7       | -7.3   | 46         | 33.84  | 30.53    | 5.15   | 31.17  | -      | -       | P     | V     |
|        |                                                                                                                                                        |           |            |        |            |        |          |        |        |        |         |       | V     |
|        |                                                                                                                                                        |           |            |        |            |        |          |        |        |        |         |       | V     |
| Remark | 1. No other spurious found.                                                                                                                            |           |            |        |            |        |          |        |        |        |         |       |       |
|        | 2. All results are PASS against limit line.                                                                                                            |           |            |        |            |        |          |        |        |        |         |       |       |
|        | 3. The emission position marked as “-” means no suspected emission found and emission level has at least 6dB margin against limit or noise floor only. |           |            |        |            |        |          |        |        |        |         |       |       |



**Note symbol**

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

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

| WIFI    | Note | Frequency | Level      | Margin | Limit      | Read     | Antenna  | Path   | Preamp | Ant    | Table   | Peak    | Pol.    |
|---------|------|-----------|------------|--------|------------|----------|----------|--------|--------|--------|---------|---------|---------|
| Ant.    |      |           |            |        | Line       | Level    | Factor   | Loss   | Factor | Pos    | Pos     | Avg.    |         |
| 16Tx    |      | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | ( dBμV ) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | ( P/A ) | ( H/V ) |
| 802.11a |      | 5925      | 55.45      | -32.75 | 88.2       | 54.51    | 32.22    | 4.58   | 35.86  | 103    | 308     | P       | H       |
| CH 01   |      |           |            |        |            |          |          |        |        |        |         |         |         |
| 5955MHz |      | 5925      | 43.54      | -24.66 | 68.2       | 42.6     | 32.22    | 4.58   | 35.86  | 103    | 308     | A       | H       |

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

**For Peak Limit @ 5925MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)  
= 55.45 (dBμV/m)
2. Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -32.75(dB)

**For Average Limit @ 5925MHz:**

1. Level(dBμV/m)  
= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)  
= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)  
= 43.54 (dBμV/m)
2. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)  
= 43.54(dBμV/m) – 54(dBμV/m)  
= -24.66(dB)

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



## Appendix D. Radiated Spurious Emission Plots

|                 |             |                     |               |
|-----------------|-------------|---------------------|---------------|
| Test Engineer : | Thinh Hoang | Temperature :       | 19.5 ~ 21.9°C |
|                 |             | Relative Humidity : | 49.1 ~ 57.1%  |

### Note symbol

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



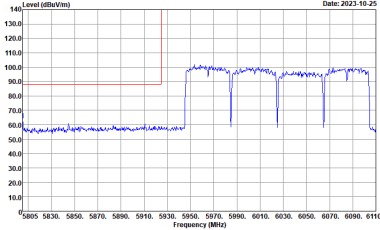
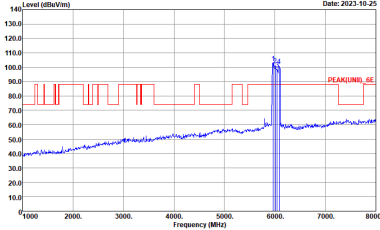
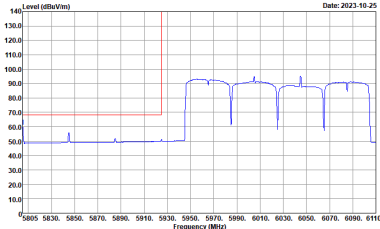
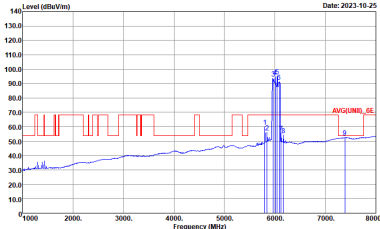


## UNII-5 - 5925~6425MHz

Multiple carrier\_contiguous 40M +40M +40M +40M(Band Edge @ 3m)

|      | UNII-5 5925~6425MHz Band Edge @ 3m                                                                                                      |                                                                                                                                      |
|------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | multiple carrier_contiguous 40+40+40+40M 5965+6005+6045+6085MHz                                                                         |                                                                                                                                      |
| 16Tx | Horizontal                                                                                                                              | Fundamental                                                                                                                          |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>     | <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>     |



|      | UNII-5 5925~6425MHz Band Edge @ 3m                                                                                                                                                                                              |                                                                                                                                                                                                                               |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | multiple carrier_contiguous 40+40+40+40M 5965+6005+6045+6085MHz                                                                                                                                                                 |                                                                                                                                                                                                                               |
| 16Tx | Vertical                                                                                                                                                                                                                        | Fundamental                                                                                                                                                                                                                   |
| Peak | <div><p>Site : 03CH02-CA<br/>Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH02-CA<br/>Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p></div>   | <div><p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p></div>   |

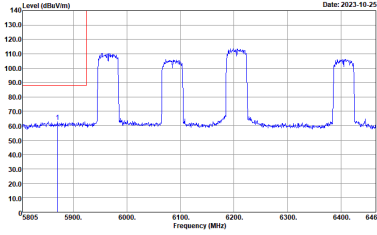
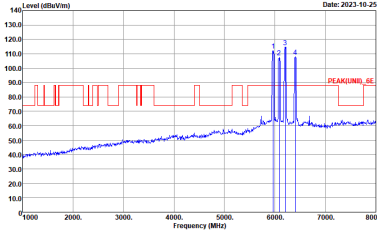
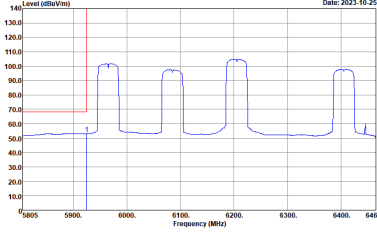
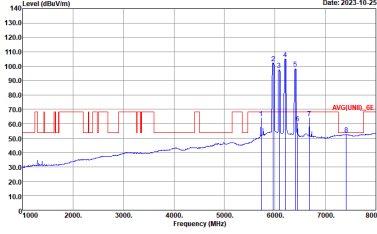


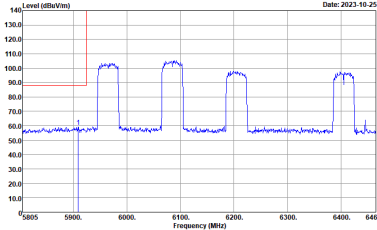
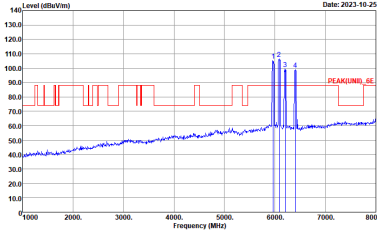
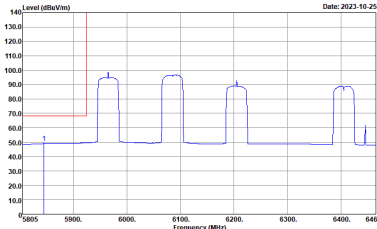
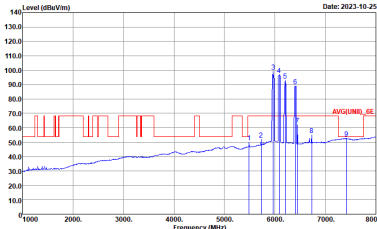
|      | UNII-5 5925~6425MHz Fundamental @ 3m                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                   |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | multiple carrier_contiguous 40+40+40+40M 6125+6165+6205+6245MHz                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                   |
| 16Tx | Horizontal                                                                                                                                                                                                                                                                                                                                                                            | Vertical                                                                                                                                                                                                                                                                                                                                                                          |
| Peak | <p>Horizontal Peak Spectrum Plot showing Level (dBm/100kHz) vs Frequency (MHz) from 1000 to 8000 MHz. The plot shows a red line for the signal and a blue line for the noise floor. A peak is visible around 6100 MHz. The date is 2023-10-25.</p> <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Vertical Peak Spectrum Plot showing Level (dBm/100kHz) vs Frequency (MHz) from 1000 to 8000 MHz. The plot shows a red line for the signal and a blue line for the noise floor. A peak is visible around 6100 MHz. The date is 2023-10-25.</p> <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Horizontal Avg. Spectrum Plot showing Level (dBm/100kHz) vs Frequency (MHz) from 1000 to 8000 MHz. The plot shows a red line for the signal and a blue line for the noise floor. A peak is visible around 6100 MHz. The date is 2023-10-25.</p> <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>     | <p>Vertical Avg. Spectrum Plot showing Level (dBm/100kHz) vs Frequency (MHz) from 1000 to 8000 MHz. The plot shows a red line for the signal and a blue line for the noise floor. A peak is visible around 6100 MHz. The date is 2023-10-25.</p> <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>     |



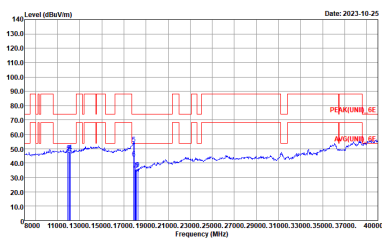
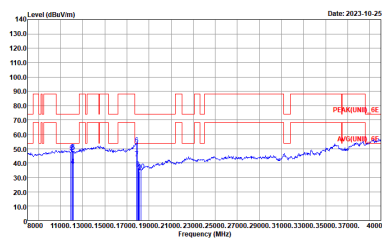
|      | UNII-5 5925~6425MHz Fundamental @ 3m                                                                                               |                                                                                                                                  |
|------|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| ANT  | multiple carrier_contiguous 40+40+40+40M 6285+6325+6365+6405MHz                                                                    |                                                                                                                                  |
| 16Tx | Horizontal                                                                                                                         | Vertical                                                                                                                         |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>     | <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>     |

**UNII-5 5925~6425MHz**
**Multiple carrier\_non contiguous 40+40+40+40M (Band Edge @ 3m)**

| UNII-5 5925~6425MHz Band Edge @ 3m |                                                                                                                                                                                                                         |                                                                                                                                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                                | multiple carrier_non contiguous 40+40+40+40M 5965+6085+6205+6405MHz                                                                                                                                                     |                                                                                                                                                                                                                       |
| 16Tx                               | Horizontal                                                                                                                                                                                                              | Fundamental                                                                                                                                                                                                           |
| Peak                               |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE(UNIT)_AE 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_AE 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
|                                    |  <p>Site : 03CH02-CA<br/>Condition : AV6_BE(UNIT)_AE 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNIT)_AE 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |

|      | UNII-5 5925~6425MHz Band Edge @ 3m                                                                                                                                                                                      |                                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | multiple carrier_ non contiguous 40+40+40+40M<br>5965+6085+6205+6405 MHz                                                                                                                                                |                                                                                                                                                                                                                       |
| 16Tx | Vertical                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                           |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |

**UNII-5 - 5925~6425MHz**
**multiple carrier\_contiguous 40+40+40+40 (Harmonic @ 3m)**

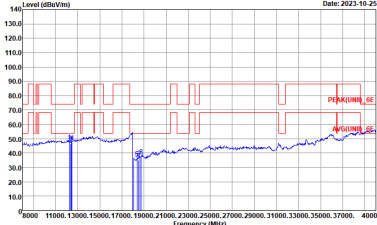
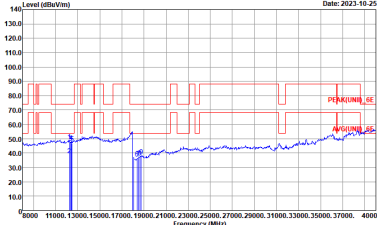
|                                | UNII-5 5925~6425MHz Harmonic @ 3m                                                                                                                                         |                                                                                                                                                                          |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | multiple carrier_contiguous 40+40+40+40M 5965+6005+6045+6085MHz                                                                                                           |                                                                                                                                                                          |
| 16Tx                           | Horizontal                                                                                                                                                                | Vertical                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |

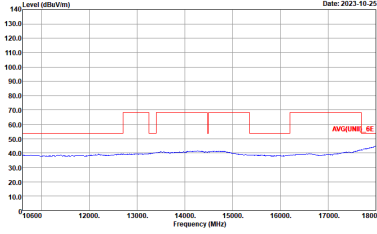
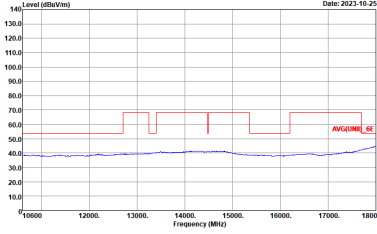
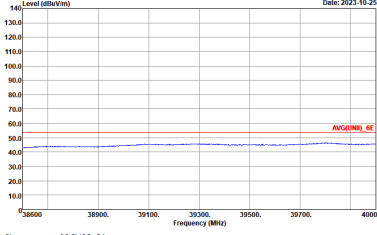
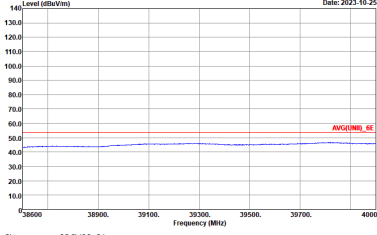


|                       | UNII-5 5925~6425MHz Harmonic @ 3m                                                      |                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| ANT                   | multiple carrier_contiguous 40+40+40+40M 5965+6005+6045+6085MHz                        |                                                                                      |
| 16Tx                  | Horizontal                                                                             | Vertical                                                                             |
| 10.6G<br>~18G<br>Avg. | <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>   | <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>   |
| 38.6G<br>~40G<br>Avg. | <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> | <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



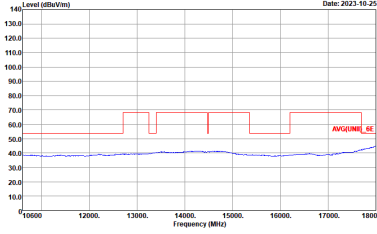
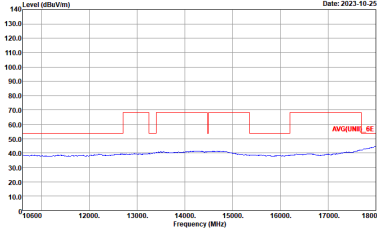
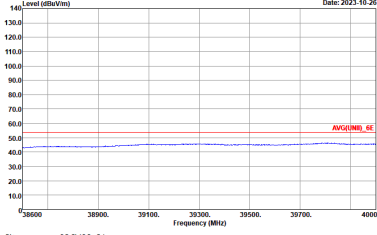
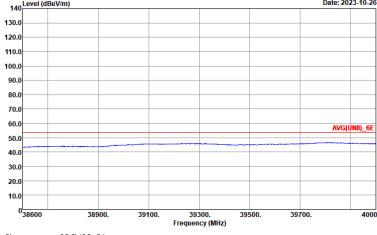


|              | UNII-5 5925~6425MHz Harmonic @ 3m                                                                                                                                                   |                                                                                                                                                                                    |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | multiple carrier_contiguous 40+40+40+40M 6125+6165+6205+6245MHz                                                                                                                     |                                                                                                                                                                                    |
| 16Tx         | Horizontal                                                                                                                                                                          | Vertical                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p></div> | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p></div> |

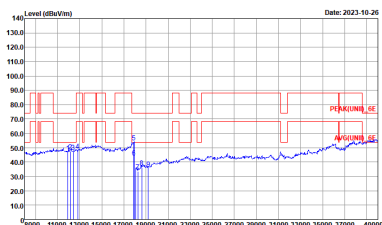
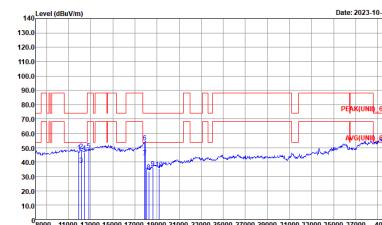
|                                                    | <b>UNII-5 5925~6425MHz Harmonic @ 3m</b>                                                                                                                                   |                                                                                                                                                                           |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ANT</b>                                         | <b>multiple carrier_contiguous 40+40+40+40M 6125+6165+6205+6245MHz</b>                                                                                                     |                                                                                                                                                                           |
| <b>16Tx</b>                                        | <b>Horizontal</b>                                                                                                                                                          | <b>Vertical</b>                                                                                                                                                           |
| <b>10.6G</b><br><br><b>~18G</b><br><br><b>Avg.</b> |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>     |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>     |
|                                                    |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |
| <b>38.6G</b><br><br><b>~40G</b><br><br><b>Avg.</b> |                                                                                                                                                                            |                                                                                                                                                                           |



|              | UNII-5 5925~6425MHz Harmonic @ 3m                                                                                                        |                                                                                                                                        |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | multiple carrier_contiguous 40+40+40+40M 6285+6325+6365+6405MHz                                                                          |                                                                                                                                        |
| 16Tx         | Horizontal                                                                                                                               | Vertical                                                                                                                               |
| Peak<br>Avg. | <div><p>Level (dBm/Hz) Date: 2023-10-25</p><p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p></div> | <div><p>Level (dBm/Hz) Date: 2023-10-25</p><p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p></div> |

|                                                    | <b>UNII-5 5925~6425MHz Harmonic @ 3m</b>                                                                                                                                   |                                                                                                                                                                           |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ANT</b>                                         | <b>multiple carrier_contiguous 40+40+40+40M 6285+6325+6365+6405MHz</b>                                                                                                     |                                                                                                                                                                           |
| <b>16Tx</b>                                        | <b>Horizontal</b>                                                                                                                                                          | <b>Vertical</b>                                                                                                                                                           |
| <b>10.6G</b><br><br><b>~18G</b><br><br><b>Avg.</b> |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL</p>     |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL</p>     |
|                                                    |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNIT)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNIT)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |

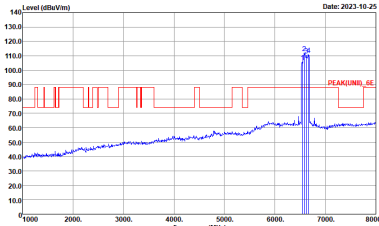
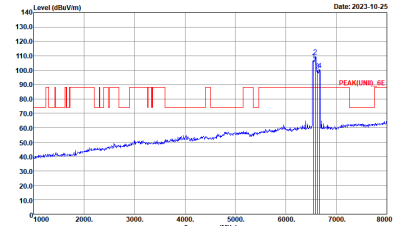
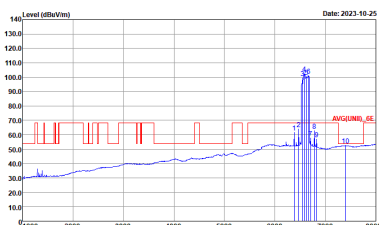
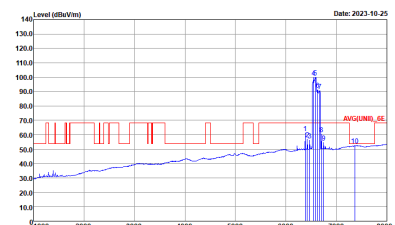
**UNII-5 5925~6425MHz**
**multiple carrier\_non contiguous 40+40+40+40M (Harmonic @ 3m)**

|              | UNII-5 5925~6425MHz Harmonic @ 3m                                                                                                                                         |                                                                                                                                                                          |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | multiple carrier_non contiguous 40+40+40+40M 5965+6085+6205+6405MHz                                                                                                       |                                                                                                                                                                          |
| 16Tx         | Horizontal                                                                                                                                                                | Vertical                                                                                                                                                                 |
| Peak<br>Avg. |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



|                       | UNII-5 5925~6425MHz Harmonic @ 3m                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                   | multiple carrier_ non contiguous 40+40+40+40M 5965+6085+6205+6405MHz                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                              |
| 16Tx                  | Horizontal                                                                                                                                                                                                                                                                                     | Vertical                                                                                                                                                                                                                                                                                     |
| 10.6G<br>~18G<br>Avg. | <p>Level (dBm/100MHz) vs Frequency (MHz) for 10.6G. The plot shows a red line with peaks at 13000, 14000, 15000, and 16000 MHz, and a blue line representing the noise floor. The date is 2023-10-25.</p> <p>Site : 03CH02-CA<br/>Condition : AV6(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL</p> | <p>Level (dBm/100MHz) vs Frequency (MHz) for 10.6G. The plot shows a red line with peaks at 13000, 14000, 15000, and 16000 MHz, and a blue line representing the noise floor. The date is 2023-10-25.</p> <p>Site : 03CH02-CA<br/>Condition : AV6(UNIT)_6E 3m HORN_02140_230109 VERTICAL</p> |
|                       | <p>Level (dBm/100MHz) vs Frequency (MHz) for 38.6G. The plot shows a red line with peaks at 38000, 39000, 39500, and 40000 MHz, and a blue line representing the noise floor. The date is 2023-10-26.</p> <p>Site : 03CH02-CA<br/>Condition : AV6_54 1m SHF_HORN_842_230717 HORIZONTAL</p>     | <p>Level (dBm/100MHz) vs Frequency (MHz) for 38.6G. The plot shows a red line with peaks at 38000, 39000, 39500, and 40000 MHz, and a blue line representing the noise floor. The date is 2023-10-26.</p> <p>Site : 03CH02-CA<br/>Condition : AV6_54 1m SHF_HORN_842_230717 VERTICAL</p>     |

**UNII-7 6525~6875MHz**
**multiple carrier\_contiguous 40+40+40+40M (Band Edge @ 3m)**

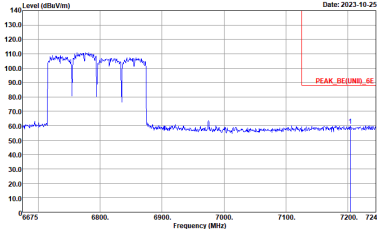
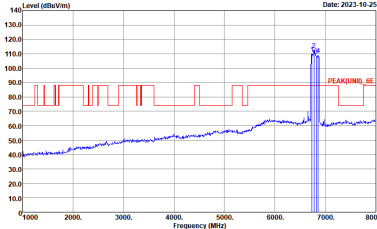
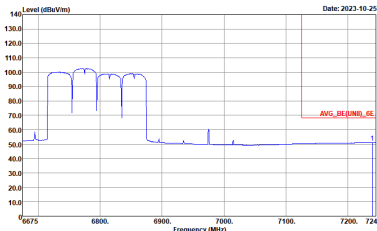
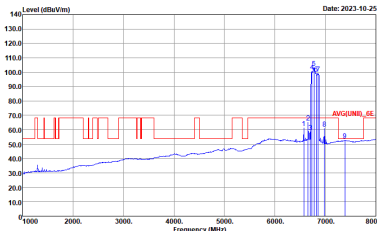
|             | <b>UNII-7 6525~6875MHz Fundamental @ 3m</b>                                                                                                                                                                          |                                                                                                                                                                                                                     |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ANT</b>  | <b>multiple carrier_contiguous 40+40+40+40M 6545+6585+6625+6665MHz</b>                                                                                                                                               |                                                                                                                                                                                                                     |
| <b>16Tx</b> | <b>Horizontal</b>                                                                                                                                                                                                    | <b>Vertical</b>                                                                                                                                                                                                     |
| <b>Peak</b> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| <b>Avg.</b> |  <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |



|      | UNII-7 6525~6875MHz Fundamental @ 3m                                                                                                                                                                    |                                                                                                                                                                                                       |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | multiple carrier_contiguous 40+40+40+40M 6645+6685+6725+6765 MHz                                                                                                                                        |                                                                                                                                                                                                       |
| 16Tx | Horizontal                                                                                                                                                                                              | Vertical                                                                                                                                                                                              |
| Peak | <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>Date: 2023-10-25</p> <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>Date: 2023-10-25</p> <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
|      | <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>Date: 2023-10-25</p> <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>     | <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>Date: 2023-10-25</p> <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>     |
| Avg. |                                                                                                                                                                                                         |                                                                                                                                                                                                       |



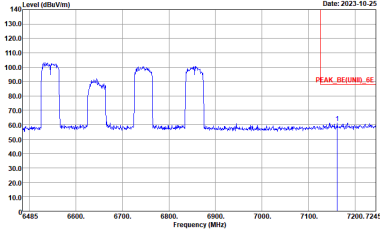
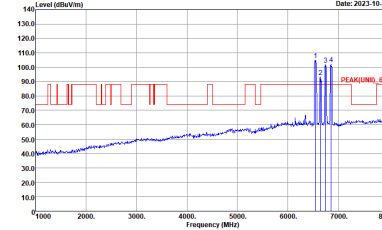
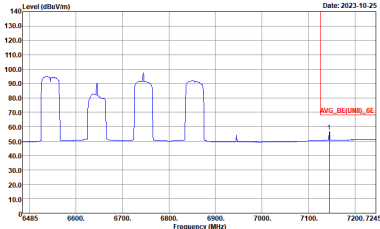
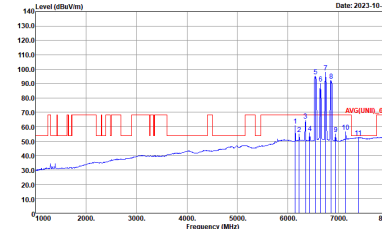


|      | UNII-7 6525~6875MHz Band Edge @ 3m                                                                                                                                                                                        |                                                                                                                                                                                                                         |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | multiple carrier_contiguous 40+40+40+40M 6735+6775+6815+6855 MHz                                                                                                                                                          |                                                                                                                                                                                                                         |
| 16Tx | Horizontal                                                                                                                                                                                                                | Fundamental                                                                                                                                                                                                             |
| Peak |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |



|      | UNII-7 6525~6875MHz Band Edge @ 3m                                                                                                             |                                                                                                                                             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| ANT  | multiple carrier_contiguous 40+40+40+40M 6735+6775+6815+6855 MHz                                                                               |                                                                                                                                             |
| 16Tx | Vertical                                                                                                                                       | Fundamental                                                                                                                                 |
| Peak | <div><p>Site : 03CH02-CA<br/>Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p></div> |
| Avg. | <div><p>Site : 03CH02-CA<br/>Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p></div>     | <div><p>Site : 03CH02-CA<br/>Condition : AVG(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p></div>     |

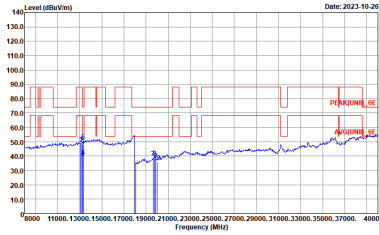
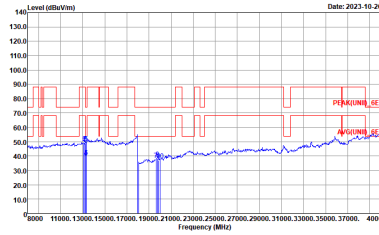
## multiple carrier\_non contiguous 40+40+40+40M (Band Edge @ 3m)

| UNII-7 6525~6875MHz Band Edge @ 3m |                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                                | multiple carrier_non contiguous 40+40+40+40M 6545+6645+6745+6855MHz                                                                                                                                                        |                                                                                                                                                                                                                          |
| 16Tx                               | Horizontal                                                                                                                                                                                                                 | Fundamental                                                                                                                                                                                                              |
| Peak                               |  <p>Site : 03CH02-CA<br/>Condition : PEAK_BE(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
|                                    |  <p>Site : 03CH02-CA<br/>Condition : AVG_BE(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |  <p>Site : 03CH02-CA<br/>Condition : AVG(UNIT1)_AE 3m HORN_02140_230109 HORIZONTAL<br/>: RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>   |
| Avg.                               |                                                                                                                                                                                                                            |                                                                                                                                                                                                                          |

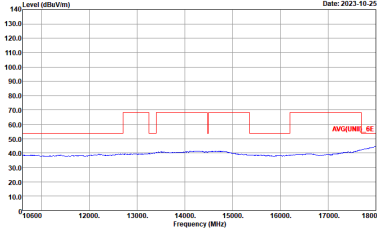
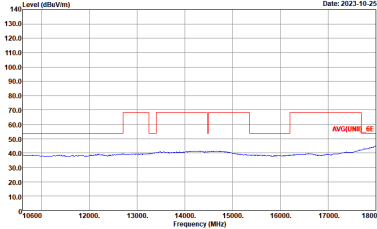
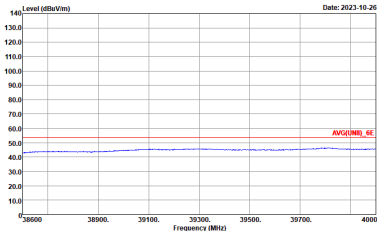
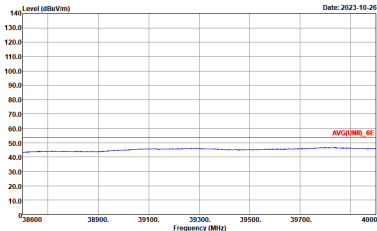


|      | UNII-7 6525~6875MHz Band Edge @ 3m                                                                                                  |                                                                                                                                  |
|------|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| ANT  | multiple carrier_ non contiguous 40+40+40M 6545+6645+6745+6855MHz                                                                   |                                                                                                                                  |
| 16Tx | Vertical                                                                                                                            | Fundamental                                                                                                                      |
| Peak | <p>Site : 03CH02-CA<br/>Condition : PEAK_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> | <p>Site : 03CH02-CA<br/>Condition : PEAK(FUND)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p> |
| Avg. | <p>Site : 03CH02-CA<br/>Condition : AVG_BE(UNIT)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>     | <p>Site : 03CH02-CA<br/>Condition : AVG(FUND)_6E 3m HORN_02140_230109 VERTICAL<br/>RBW:1000.000KHz VBW:0.010KHz SWT:Auto</p>     |

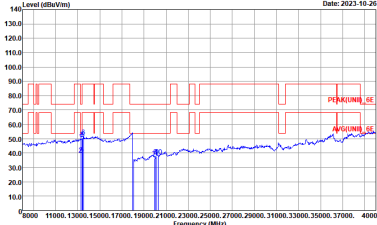
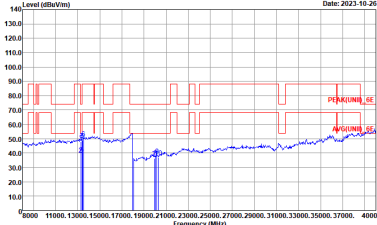
**UNII-7 6525~6875MHz**
**multiple carrier\_contiguous 40+40+40+40M (Harmonic @ 3m)**

|                                | UNII-7 6525~6875MHz Harmonic @ 3m                                                                                                                                         |                                                                                                                                                                          |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | multiple carrier_contiguous 40+40+40+40M 6545+6585+6625+6665MHz                                                                                                           |                                                                                                                                                                          |
| 16Tx                           | Horizontal                                                                                                                                                                | Vertical                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_84L_230822 HORIZONTAL</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_84L_230822 VERTICAL</p> |

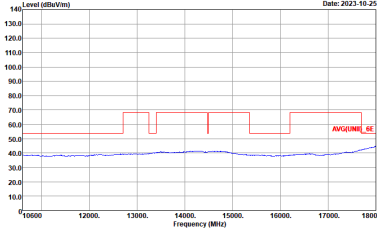
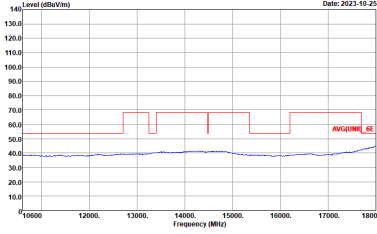
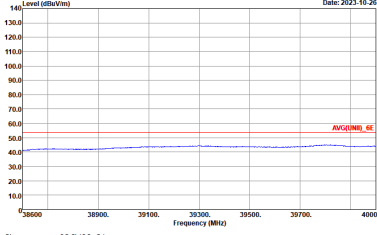
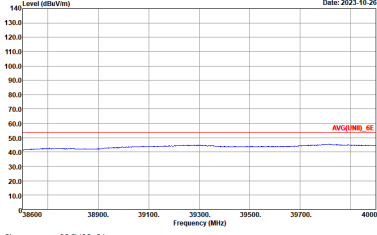


|                       | UNII-7 6525~6875MHz Harmonic @ 3m                                                                                                                                          |                                                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                   | multiple carrier_contiguous 40+40+40+40M 6545+6585+6625+6665MHz                                                                                                            |                                                                                                                                                                           |
| 16Tx                  | Horizontal                                                                                                                                                                 | Vertical                                                                                                                                                                  |
| 10.6G<br>~18G<br>Avg. |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>     |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>     |
| 38.6G<br>~40G<br>Avg. |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



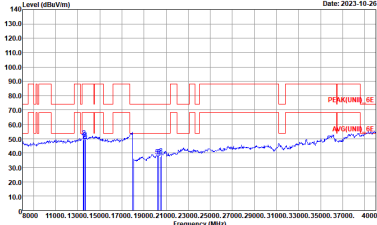
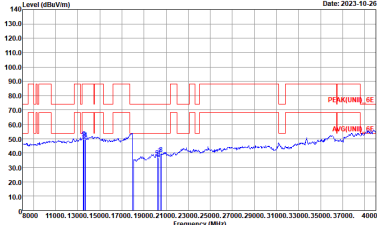
|              | UNII-7 6525~6875MHz Harmonic @ 3m                                                                                                                                                   |                                                                                                                                                                                    |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | multiple carrier_contiguous 40+40+40+40M 6645+6685+6725+6765 MHz                                                                                                                    |                                                                                                                                                                                    |
| 16Tx         | Horizontal                                                                                                                                                                          | Vertical                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p></div> | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p></div> |



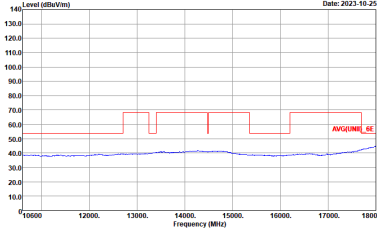
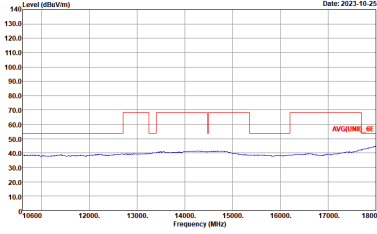
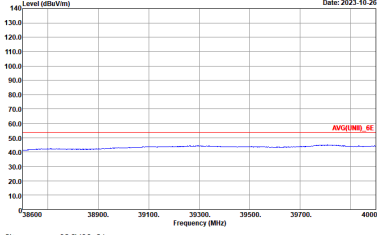
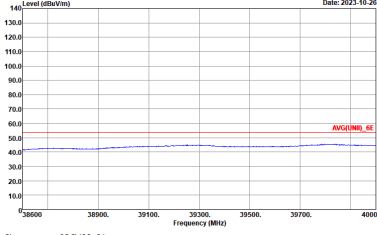
|                       | UNII-7 6525~6875MHz Harmonic @ 3m                                                                                                                                          |                                                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                   | multiple carrier_contiguous 40+40+40+40M 6645+6685+6725+6765 MHz                                                                                                           |                                                                                                                                                                           |
| 16Tx                  | Horizontal                                                                                                                                                                 | Vertical                                                                                                                                                                  |
| 10.6G<br>~18G<br>Avg. |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>     |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>     |
| 38.6G<br>~40G<br>Avg. |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



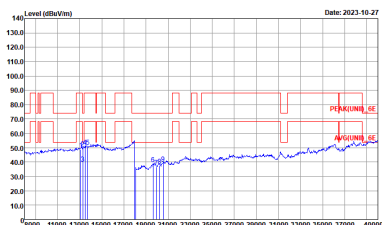
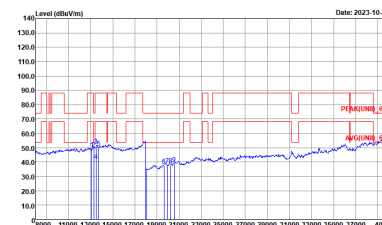


|              | UNII-7 6525~6875MHz Harmonic @ 3m                                                                                                                                                   |                                                                                                                                                                                    |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT          | multiple carrier_contiguous 40+40+40+40M 6735+6775+6815+6855MHz                                                                                                                     |                                                                                                                                                                                    |
| 16Tx         | Horizontal                                                                                                                                                                          | Vertical                                                                                                                                                                           |
| Peak<br>Avg. | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p></div> | <div><p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p></div> |

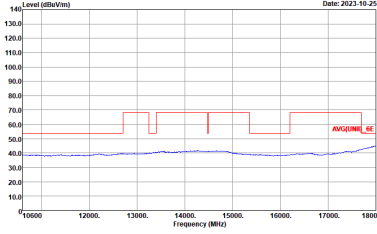
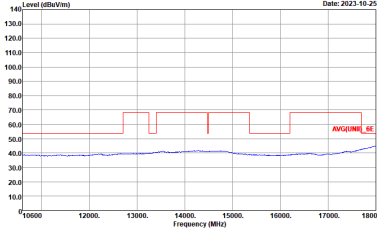
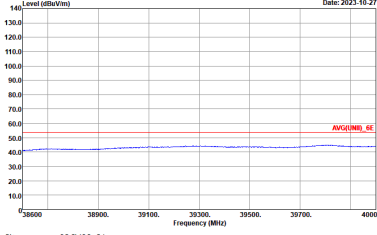
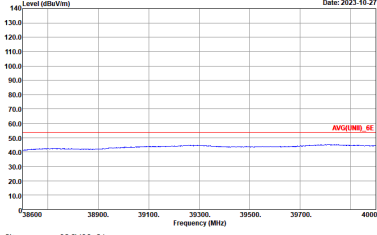


|                       | UNII-7 6525~6875MHz Harmonic @ 3m                                                                                                                                          |                                                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                   | multiple carrier_contiguous 40+40+40+40M 6735+6775+6815+6855MHz                                                                                                            |                                                                                                                                                                           |
| 16Tx                  | Horizontal                                                                                                                                                                 | Vertical                                                                                                                                                                  |
| 10.6G<br>~18G<br>Avg. |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>     |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>     |
| 38.6G<br>~40G<br>Avg. |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |

**UNII-7 6525~6875MHz**
**multiple carrier\_non contiguous 40+40+40+40M (Harmonic @ 3m)**

|                                | UNII-7 6525~6875MHz Harmonic @ 3m                                                                                                                                         |                                                                                                                                                                          |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                            | multiple carrier_non contiguous 40+40+40+40M 6545+6645+6745+6855 MHz                                                                                                      |                                                                                                                                                                          |
| 16Tx                           | Horizontal                                                                                                                                                                | Vertical                                                                                                                                                                 |
| <b>Peak</b><br><br><b>Avg.</b> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> |  <p>Site : 03CH02-CA<br/>Condition : PEAK(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |

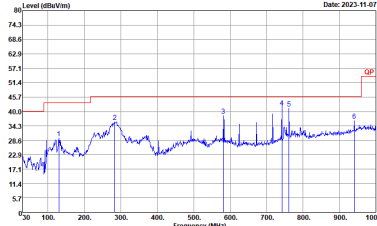
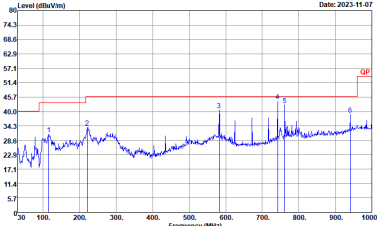


|                       | UNII-7 6525~6875MHz Harmonic @ 3m                                                                                                                                          |                                                                                                                                                                           |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT                   | multiple carrier_ non contiguous 40+40+40M 6545+6645+6745+6855 MHz                                                                                                         |                                                                                                                                                                           |
| 16Tx                  | Horizontal                                                                                                                                                                 | Vertical                                                                                                                                                                  |
| 10.6G<br>~18G<br>Avg. |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 HORIZONTAL</p>     |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 3m HORN_02140_230109 VERTICAL</p>     |
| 38.6G<br>~40G<br>Avg. |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 HORIZONTAL</p> |  <p>Site : 03CH02-CA<br/>Condition : AV6(UNII)_6E 1m SHF_HORN_841_230822 VERTICAL</p> |



Emission below 1GHz

6GHz (LF @ 3m)

|            | 6GHz                                                                                                                                                                    |                                                                                                                                                                        |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT        | 6GHz LF                                                                                                                                                                 |                                                                                                                                                                        |
| 16Tx       | Horizontal                                                                                                                                                              | Vertical                                                                                                                                                               |
| Peak<br>QP | <div><p>Site : 03CH02-CA<br/>Condition : QP 3m BIL06_50391_230816 HORIZONTAL</p></div> | <div><p>Site : 03CH02-CA<br/>Condition : QP 3m BIL06_50391_230816 VERTICAL</p></div> |
|            |                                                                                                                                                                         |                                                                                                                                                                        |



## Appendix E. Duty Cycle Plots

| Antenna        | Band         | Duty Cycle(%) | T(us) | 1/T(kHz) | VBW Setting |
|----------------|--------------|---------------|-------|----------|-------------|
| single carrier | 40+40+40+40M | 100.00        | -     | -        | 10Hz        |

