

## FCC Part 15.247

## TEST REPORT

For

**Cisco Systems, Inc.**

125 West Tasman Drive, San Jose, CA 95134, USA

**FCC ID: LDKPVDEO2618**

**Report Type:**  
Original Report

**Product Type:**  
Cisco Catalyst 9120AX Series Wi-Fi 6 Access Points

**Report Producer :** Eva Kao

**Report Number :** RXZ220627003RF02

**Report Date :** 2022-7-8

**Reviewed By:** Andy Shih *Andy Shih*

**Prepared By:** Bay Area Compliance Laboratories Corp.

(New Taipei Laboratory)

70, Lane 169, Sec. 2, Datong Road, Xizhi Dist.,

New Taipei City 22183, Taiwan, R.O.C.

Tel: +886 (2) 2647 6898

Fax: +886 (2) 2647 6895

www.bacl.com.tw



Revision History

| Revision | No.          | Report Number    | Issue Date | Description     | Author/<br>Revised by |
|----------|--------------|------------------|------------|-----------------|-----------------------|
| 0.0      | RXZ220627003 | RXZ220627003RF02 | 2022-7-8   | Original Report | Eva Kao               |



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# 1 General Information

## 1.1 Product Description for Equipment under Test (EUT)

|                                    |  |
|------------------------------------|--|
| Manufacturer                       | Cisco Systems, Inc.                                |
|                                    | 125 West Tasman Drive, San Jose, CA 95134, USA     |
| Brand(Trade) Name                  | CISCO  |
| Product (Equipment)                | Cisco Catalyst 9120AX Series Wi-Fi 6 Access Points |
| Main Model Name                    | C9120AXP-B   |
| Frequency Range                    | 2412~2462 MHz                                      |
| Modulation Technique               | DSSS , OFDM  |
| Power Operation<br>(Voltage Range) | 55Vdc from PoE port                                |
| Received Date                      | 2022/6/27  |
| Date of Test                       | 2022/6/30 ~ 2022/7/4                               |

\*All measurement and test data in this report was gathered from production sample serial number: RXZ220627003-01 (Assigned by BACL, New Taipei Laboratory).

## 1.2 Objective

This report is prepared on behalf of *Cisco Systems, Inc.* in accordance with Part 2, Subpart J, Part 15, Subparts A and C of the Federal Communication Commission's rules.

Wi-Fi and Chillwave leverage original test data (FCC ID: LDKROFSN2177) in accordance with FCC KDB 484596 D01. Wi-Fi and Chillwave will be verified by spot checking output power and radiated spurious emissions.

## 1.3 Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices



## 1.4 Statement

Decision Rule: No, (The test results do not include MU judgment)

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Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

The determination of the test results does not require consideration of the uncertainty of the measurement, unless the assessment is required by customer agreement, regulation or standard document specification.

Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is not responsible for the authenticity of the information provided by the applicant that affects the test results.

## 1.5 Measurement Uncertainty

| Parameter                  |               | Uncertainty     |
|----------------------------|---------------|-----------------|
| RF output power, conducted |               | $\pm 0.93$ (dB) |
| Emissions, radiated        | 30 MHz~1GHz   | $\pm 5.22$ (dB) |
|                            | 1 GHz~18 GHz  | $\pm 6.12$ (dB) |
|                            | 18 GHz~40 GHz | $\pm 4.99$ (dB) |
| Temperature                |               | $\pm 1.27$ °C   |
| Humidity                   |               | $\pm 3$ %       |

## 1.6 Environmental Conditions

| Test Site                    | Test Date            | Temperature (°C) | Relative Humidity (%) | ATM Pressure (hPa) | Test Engineer |
|------------------------------|----------------------|------------------|-----------------------|--------------------|---------------|
| Radiation Spurious Emissions | 2022/6/30 ~ 2022/7/4 | 22               | 47                    | 1010               | Aaron Pan     |
| Maximum Output Power         | 2022/7/4             | 23               | 51                    | 1010               | Jim Chen      |

## 1.7 Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) to collect test data is located on

☒ 70, Lane 169, Sec. 2, Datong Road, Xizhi Dist., New Taipei City 22183, Taiwan, R.O.C.

Bay Area Compliance Laboratories Corp. (New Taipei Laboratory) is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3732) and the FCC designation No.TW3732 under the Mutual Recognition Agreement (MRA) in FCC Test.



## 2 System Test Configuration

### 2.1 Equipment Modifications

No modification was made to the EUT.

### 2.2 Test Mode

Mode 1: WIFI 2.4GHz XOR + WIFI 5GHz Regular + WIFI 2.4GHz Aux + BLE

Mode 2: WIFI 2.4G XOR + WIFI 5GHz Regular + WIFI 5GHz Aux + BLE

Mode 3: WIFI 5G XOR + WIFI 5GHz Regular + WIFI 2.4GHz Aux + BLE

Mode 4: WIFI 5G XOR + WIFI 5GHz Regular + WIFI 5GHz Aux + BLE

Radiated spurious emissions for Transmitting simultaneously test: Mode 1-4.

### 2.3 Support Equipment List and Details

| Description | Manufacturer | Model Number | S/N                |
|-------------|--------------|--------------|--------------------|
| POE Adapter | CISCO        | SB-PWR-INJ2  | C18426663000003170 |
| NB          | DELL         | E6410        | 8N7PXN1            |

### 2.4 External Cable List and Details

| Cable Description         | Length (m) | From | To          |
|---------------------------|------------|------|-------------|
| RJ-45 Cable               | 1          | EUT  | POE Adapter |
| RJ-45 to USB Serial Cable | 2          | EUT  | NB          |

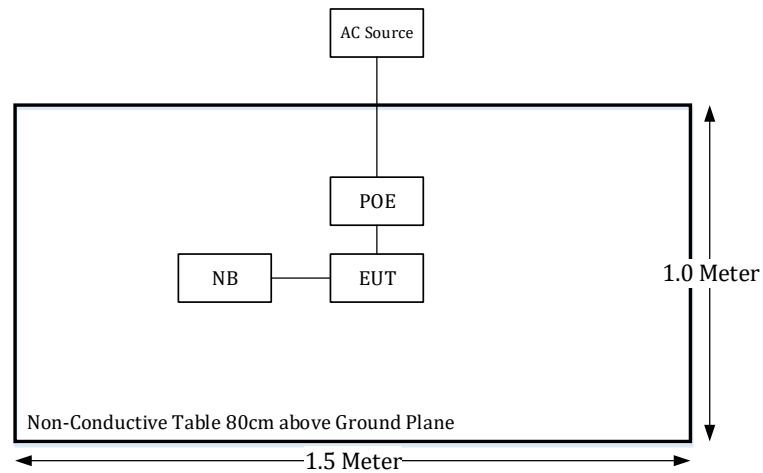


## 2.5 Block Diagram of Test Setup

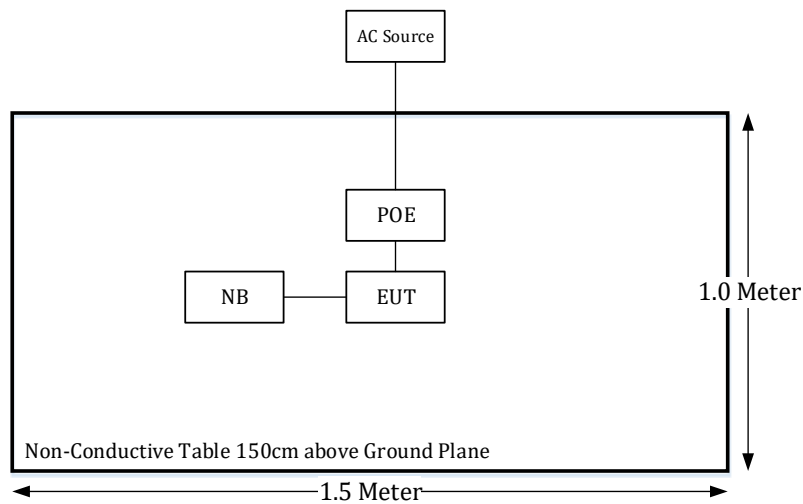
See test photographs attached in setup photos for the actual connections between EUT and support equipment.

### Radiation:

Below 1GHz:



Above 1GHz:





### 3 Summary of Test Results

| FCC Rules                    | Description of Test       | Results    |
|------------------------------|---------------------------|------------|
| §15.247(i), §1.1307(b)(3)(i) | RF Exposure               | Compliance |
| §15.205, §15.209, §15.247(d) | Spurious Emissions        | Compliance |
| §15.247(b)(3)                | Maximum Peak Output Power | Compliance |

\*Note: The output power for each radio and each frequency band already verified.

The test report presented the worst modes and channels.



## 4 Test Equipment List and Details

| Description                        | Manufacturer                   | Model                    | Serial Number    | Calibration Date | Calibration Due Date |
|------------------------------------|--------------------------------|--------------------------|------------------|------------------|----------------------|
| Radiation 3M Room (966-A)          |                                |                          |                  |                  |                      |
| Bilog Antenna with 6 dB Attenuator | SUNOL SCIENCES & MINI-CIRCUITS | JB6/UNAT-6+              | A050115/15542_01 | 2022/02/14       | 2023/02/13           |
| Horn Antenna                       | EMCO                           | 3115                     | 9809-55583       | 2021/8/26        | 2022/8/25            |
| Horn Antenna                       | ETS-Lindgren                   | 3116                     | 62638            | 2021/8/11        | 2022/8/10            |
| Preamplifier                       | Sonoma                         | 310N                     | 130602           | 2022/6/8         | 2023/6/7             |
| Preamplifier                       | A.H. system Inc.               | PAM-0118P                | 466              | 2021/11/4        | 2022/11/3            |
| Microwave Preamplifier             | EM Electronics Corporation     | EM18G40G                 | 60656            | 2021/12/27       | 2022/12/26           |
| Spectrum Analyzer                  | Rohde & Schwarz                | FSV40                    | 101435           | 2021/12/27       | 2022/12/26           |
| EMI Test Receiver                  | Rohde & Schwarz                | ESR7                     | 101419           | 2021/11/9        | 2022/11/8            |
| Micro flex Cable                   | UTIFLEX                        | UFB197C-1-2362-70U-70U   | 225757-001       | 2022/1/24        | 2023/1/23            |
| Coaxial Cable                      | COMMATE                        | PEWC                     | 8Dr              | 2021/12/24       | 2022/12/23           |
| Coaxial Cable                      | UTIFLEX                        | UFB311A-Q-1440-300300    | 220490-006       | 2022/1/24        | 2023/1/23            |
| Coaxial Cable                      | JUNFLON                        | J12J102248-00-B-5        | AUG-07-15-044    | 2021/12/24       | 2022/12/23           |
| Cable                              | EMC                            | EMC105-SM-SM-10000       | 201003           | 2022/1/24        | 2023/1/23            |
| Coaxial Cable                      | ROSNOL                         | K1K50-UP0264-K1K50-450CM | 160309-1         | 2022/1/24        | 2023/1/23            |
| Coaxial Cable                      | ROSNOL                         | K1K50-UP0264-K1K50-50CM  | 15120-1          | 2022/1/18        | 2023/1/17            |
| Software                           | Audix                          | e3                       | 18621a bac1      | N.C.R            | N.C.R                |
| Conducted Room                     |                                |                          |                  |                  |                      |
| Cable                              | UTIFLEX                        | UFA210A                  | 9435             | 2021/10/5        | 2022/10/4            |
| Power Sensor                       | KEYSIGHT                       | U2021XA                  | MY54080018       | 2021/1/28        | 2022/1/27            |
| Attenuator                         | MINI-CIRCUITS                  | BW-S10W5+                | 1419             | 2021/1/28        | 2022/1/27            |

**\*Statement of Traceability:** BACL Corp. attests that all of the calibrations on the equipment items listed above were traceable to the SI System of Units via the R.O.C. Center for Measurement Standards of the Electronics Testing Center, Taiwan (ETC) or to another internationally recognized National Metrology Institute (NMI), and were compliant with the current Taiwan Accreditation Foundation (TAF) requirement



## 5 FCC §15.247(i), § 1.1307(b)(3)(i) – RF Exposure

### 5.1 Applicable Standard

According to subpart 15.247(i) and subpart §1.1307(b)(3)(i), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

For single RF sources (*i.e.*, any single fixed RF source, mobile device, or portable device, as defined in paragraph (b)(2) of this section): A single RF source is exempt if:

(A) The available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption may not be used in conjunction with other exemption criteria other than those in paragraph (b)(3)(ii)(A) of this section. Medical implant devices may only use this exemption and that in paragraph (b)(3)(ii)(A);

(B) Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold  $P_{th}$  (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive).  $P_{th}$  is given by:

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left( \frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

and

$$ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases}$$



## 5.2 RF Exposure Evaluation Result

The EUT can be used in the following modes, selecting the worst mode for evaluation.

Mode 1: 2.4G XOR + 5G Regular + 2.4G Aux + BLE

Mode 2: 2.4G XOR + 5G Regular + 5G Aux + BLE

Mode 3: 5G XOR + 5G Regular + 2.4G Aux + BLE

Mode 4: 5G XOR + 5G Regular + 5G Aux + BLE

### Worst case is Mode 1 :

Project info

| Band             | Freq (MHz) | Tune-up Power (dBm) | Ant Gain (dBi) | Distances (mm) | Duty (%) | Tune-up Power (mW) | ERP (dBm) | ERP (mW) |
|------------------|------------|---------------------|----------------|----------------|----------|--------------------|-----------|----------|
| BLE              | 2480       | 5                   | 13             | 300            | 100%     | 3.16               | 15.85     | 38.46    |
| do0 2.4GHz XOR   | 2462       | 22                  | 13             | 300            | 100%     | 158.49             | 32.85     | 1927.52  |
| d01 5GHz Regular | 5850       | 23                  | 13             | 300            | 100%     | 199.53             | 33.85     | 2426.61  |
| do4 2.4G Aux     | 2462       | 16                  | 13             | 300            | 100%     | 39.81              | 26.85     | 484.17   |

### Option A

The available maximum time-averaged power is no more than 1 mW

| Band             | Freq (MHz) | Result Option A |
|------------------|------------|-----------------|
| BLE              | 2480       | not exempt      |
| do0 2.4GHz XOR   | 2462       | not exempt      |
| d01 5GHz Regular | 5850       | not exempt      |
| do4 2.4G Aux     | 2462       | not exempt      |

### Option B

The available maximum time-averaged power or effective radiated power (ERP), whichever is greater.

This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive).

| Band             | Freq (MHz) | Pth (mW) | X     | ERP 20cm (mW) | Ratio | Result Option B |
|------------------|------------|----------|-------|---------------|-------|-----------------|
| BLE              | 2480       | 3060.00  | 1.905 | 3060          | 0.01  | exempt          |
| do0 2.4GHz XOR   | 2462       | 3060.00  | 1.903 | 3060          | 0.63  | exempt          |
| d01 5GHz Regular | 5850       | 3060.00  | 2.091 | 3060          | 0.79  | exempt          |
| do4 2.4G Aux     | 2462       | 3060.00  | 1.903 | 3060          | 0.16  | exempt          |

### Simultaneous Analysis :

| Band                            | Freq (MHz) | PSD Require | PSD (mW/cm <sup>2</sup> ) | PSD Limit (mW/cm <sup>2</sup> ) | Simultaneous TX | Ratio |
|---------------------------------|------------|-------------|---------------------------|---------------------------------|-----------------|-------|
| BLE                             | 2480       | exempt      | 0.006                     | 1.000                           | O               | 0.006 |
| do0 2.4GHz XOR                  | 2462       | exempt      | 0.280                     | 1.000                           | O               | 0.280 |
| d01 5GHz Regular                | 5850       | exempt      | 0.352                     | 1.000                           | O               | 0.352 |
| do4 2.4G Aux                    | 2462       | exempt      | 0.070                     | 1.000                           | O               | 0.070 |
| Simultaneous Analysis (Limit 1) |            |             |                           |                                 |                 | 0.708 |

**Result:** The EUT meets exemption requirement- RF exposure evaluation greater than **30cm** distance.



## 6 FCC §15.209, §15.205 , §15.247(d) – Spurious Emissions

### 6.1 Applicable Standard

As Per FCC §15.205(a) except as show in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

| MHz                 | MHz                   | MHz             | GHz           |
|---------------------|-----------------------|-----------------|---------------|
| 0.090 – 0.110       | 16.42 – 16.423        | 608 – 614       | 4.5 – 5.15    |
| 0.495 – 0.505       | 16.69475 – 16.69525   | 960 – 1240      | 5.35 – 5.46   |
| 2.1735 – 2.1905     | 16.80425 – 16.80475   | 1300 – 1427     | 7.25 – 7.75   |
| 4.125 – 4.128       | 25.5 – 25.67          | 1435 – 1626.5   | 8.025 – 8.5   |
| 4.17725 – 4.17775   | 37.5 – 38.25          | 1645.5 – 1646.5 | 9.0 – 9.2     |
| 4.20725 – 4.20775   | 73 – 74.6             | 1660 – 1710     | 9.3 – 9.5     |
| 6.215 – 6.218       | 74.8 – 75.2           | 1718.8 – 1722.2 | 10.6 – 12.7   |
| 6.26775 – 6.26825   | 108 – 121.94          | 2200 – 2300     | 13.25 – 13.4  |
| 6.31175 – 6.31225   | 123 – 138             | 2310 – 2390     | 14.47 – 14.5  |
| 8.291 – 8.294       | 149.9 – 150.05        | 2483.5 – 2500   | 15.35 – 16.2  |
| 8.362 – 8.366       | 156.52475 – 156.52525 | 2690 – 2900     | 17.7 – 21.4   |
| 8.37625 – 8.38675   | 156.7 – 156.9         | 3260 – 3267     | 22.01 – 23.12 |
| 8.41425 – 8.41475   | 162.0125 – 167.17     | 3.332 – 3.339   | 23.6 – 24.0   |
| 12.29 – 12.293      | 167.72 – 173.2        | 3.3458 – 3.358  | 31.2 – 31.8   |
| 12.51975 – 12.52025 | 240 – 285             | 3.600 – 4.400   | 36.43 – 36.5  |
| 12.57675 – 12.57725 | 322 – 335.4           |                 | Above 38.6    |
| 13.36 – 13.41       | 399.9 – 410           |                 |               |

As per FCC §15.209(a): Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency (MHz) | Field Strength (micro volts/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 1: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

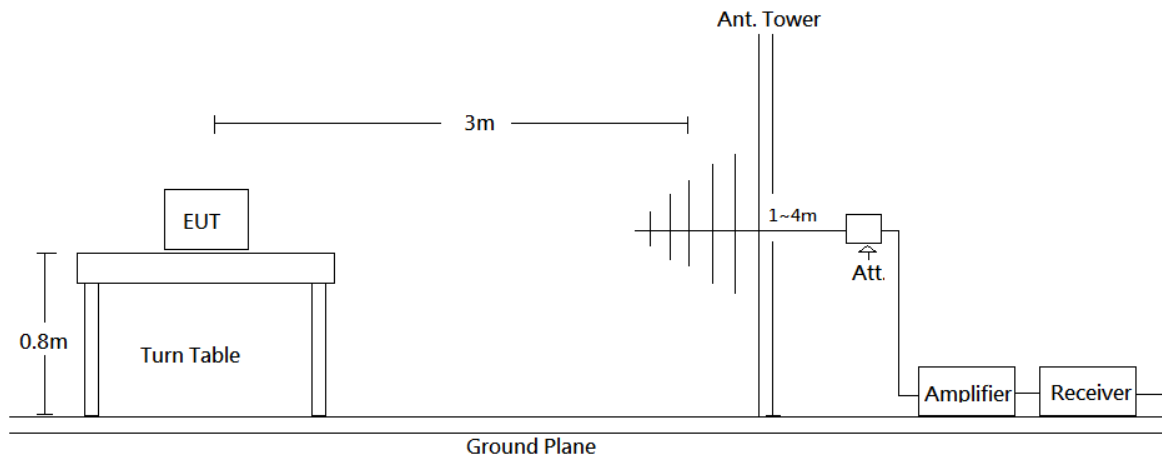
As per FCC §15.247 (d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under



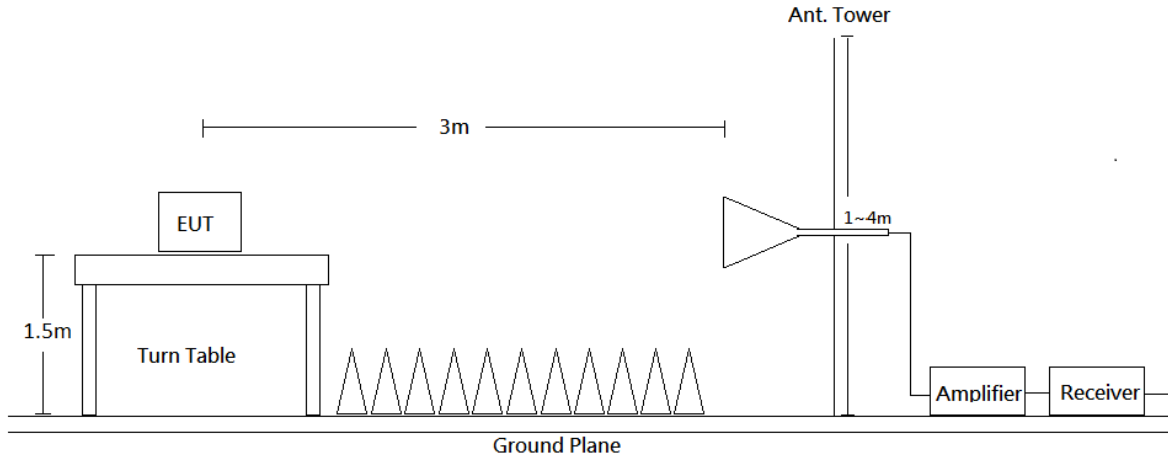
paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

## 6.2 EUT Setup

Below 1 GHz:



Above 1 GHz:



Radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC Part 15.209 and FCC 15.247 Limits.



### 6.3 EMI Test Receiver & Spectrum Analyzer Setup

The system was investigated from 30 MHz to 26.5 GHz. During the radiated emission test, the EMI test receiver was set with the following configurations measurement method 6.3 in ANSI C63.10.

| Frequency Range | RBW     | VBW   | Duty cycle | Measurement method |
|-----------------|---------|-------|------------|--------------------|
| 30-1000 MHz     | 120 kHz | /     | /          | QP                 |
| Above 1 GHz     | 1 MHz   | 3 MHz | /          | PK                 |
|                 | 1 MHz   | 10 Hz | >98%       | Ave                |
|                 | 1 MHz   | 1/T   | <98%       | Ave                |

Note: T is minimum transmission duration

### 6.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the Quasi-peak detector mode from 30 MHz to 1 GHz and PK and average detector modes for frequencies above 1 GHz.

### 6.5 Corrected Factor & Margin Calculation

The Correct Factor is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Correct Factor} = \text{Antenna Factor} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Result} - \text{Limit}$$

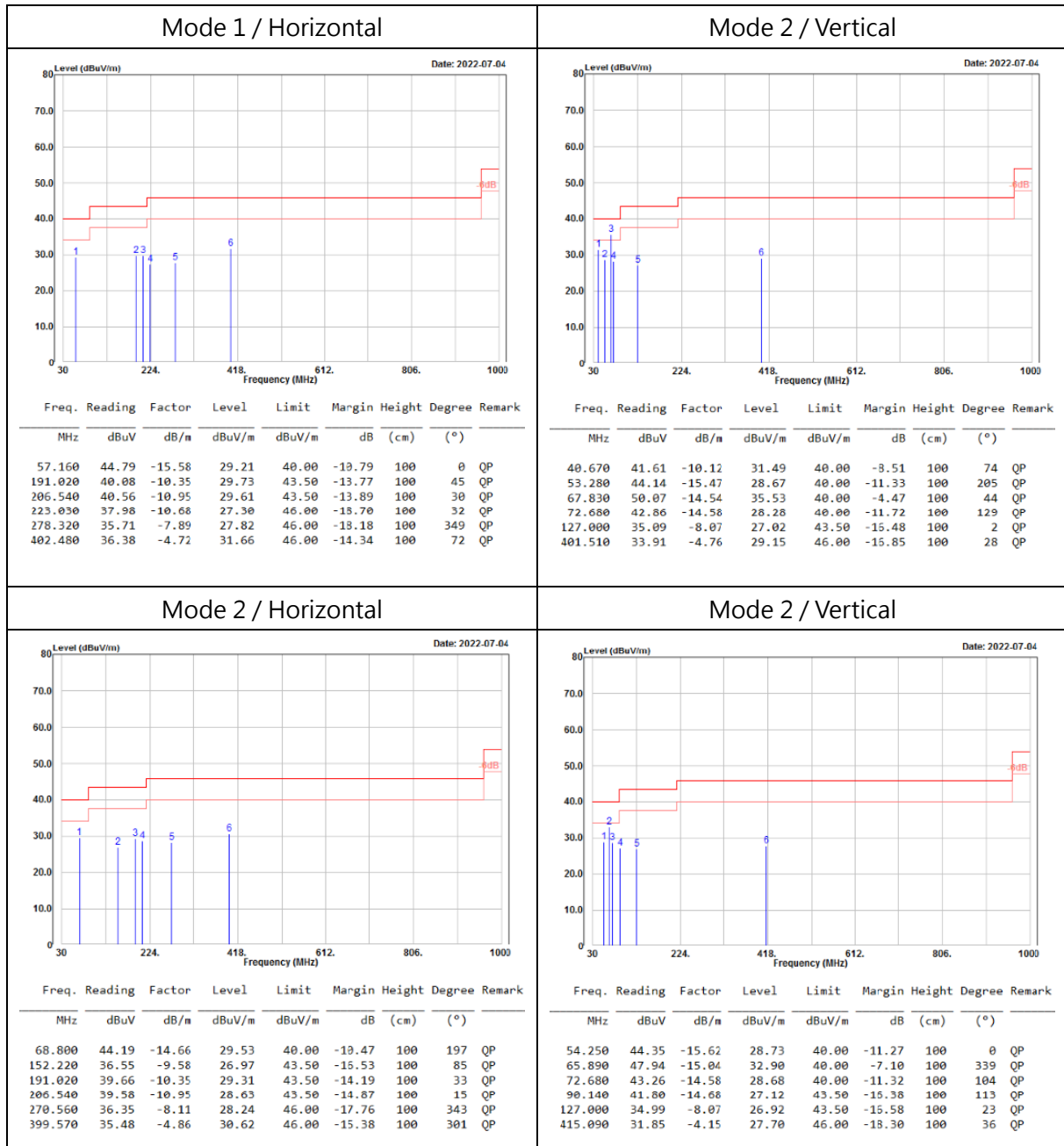


## 6.6 Test Results

Test Mode: Transmitting

Transmitting simultaneously test:

30MHz-1GHz:



Level (Result) = Reading + Factor.

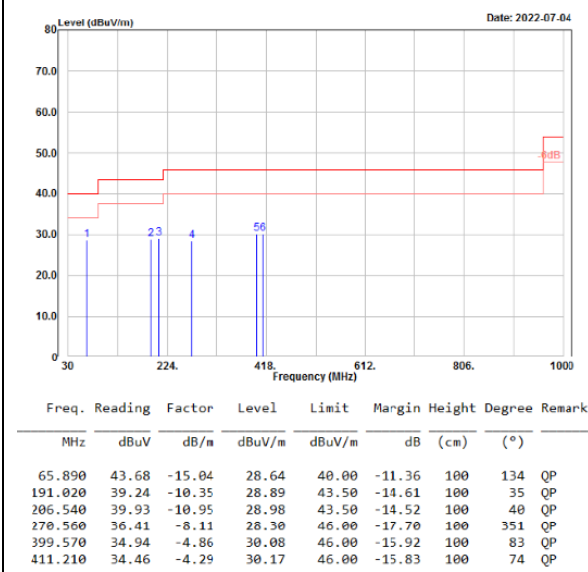
Margin = Level - Limit.

Factor = Antenna Factor + Cable Loss - Amplifier Gain.

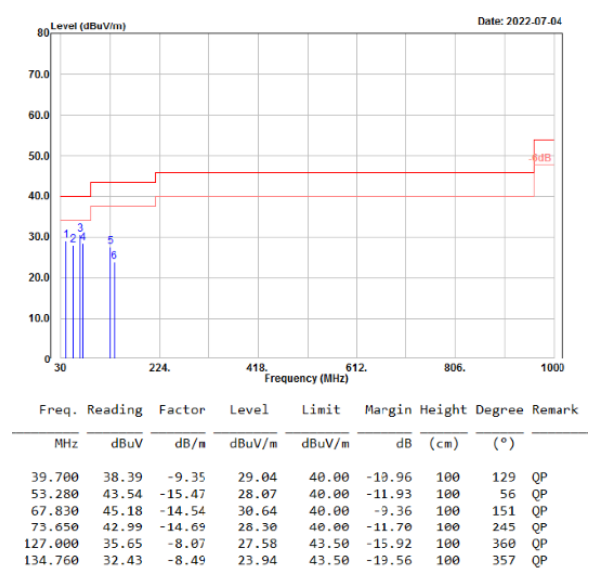
Spurious emissions more than 20 dB below the limit were not reported.



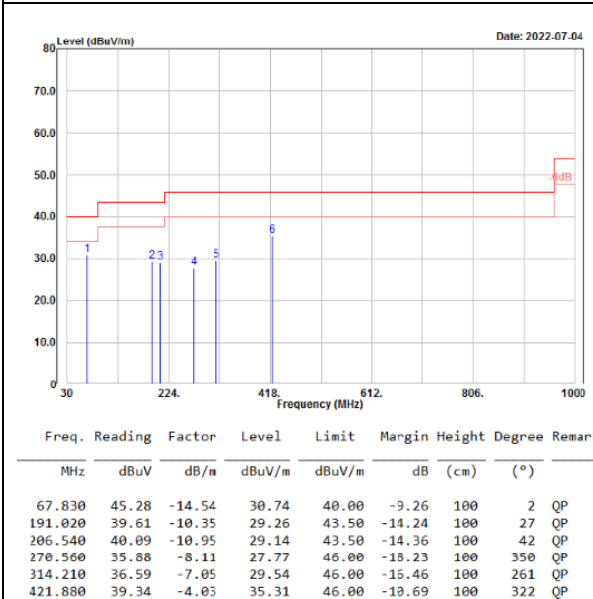
## Mode 3 / Horizontal



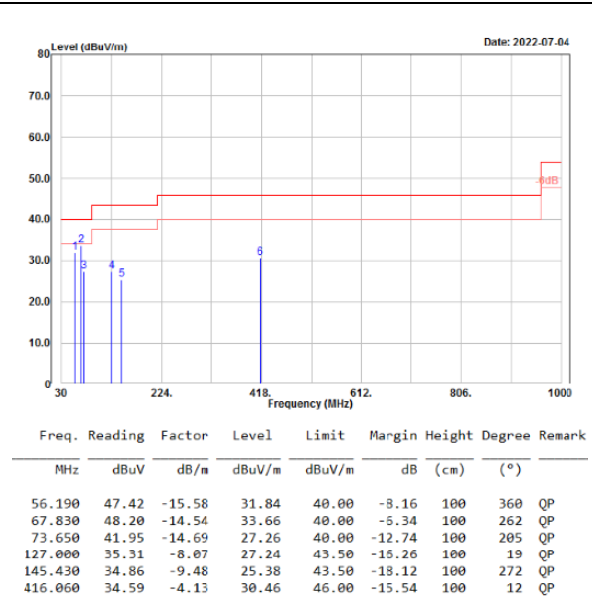
## Mode 3 / Vertical



## Mode 4 / Horizontal



## Mode 4 / Vertical



Level (Result) = Reading + Factor.

Margin = Level - Limit.

Factor = Antenna Factor + Cable Loss - Amplifier Gain.

Spurious emissions more than 20 dB below the limit were not reported.



**Above 1GHz****Mode 1:**

| <b>Horizontal</b> |         |        |        |        |        |        |        |         |
|-------------------|---------|--------|--------|--------|--------|--------|--------|---------|
| Freq.             | Reading | Factor | Level  | Limit  | Margin | Height | Degree | Remark  |
| MHz               | dBuV    | dB/m   | dBuV/m | dBuV/m | dB     | (cm)   | (°)    |         |
| 4804.000          | 38.15   | -2.47  | 35.68  | 54.00  | -18.32 | 169    | 167    | Average |
| 4804.000          | 43.38   | -2.47  | 40.91  | 74.00  | -33.09 | 169    | 167    | Peak    |
| 4874.000          | 35.33   | -2.25  | 33.08  | 54.00  | -20.92 | 199    | 71     | Average |
| 4874.000          | 44.39   | -2.25  | 42.14  | 74.00  | -31.86 | 199    | 71     | Peak    |
| 7206.000          | 35.63   | 3.03   | 38.66  | 54.00  | -15.34 | 203    | 263    | Average |
| 7206.000          | 44.40   | 3.03   | 47.43  | 74.00  | -26.57 | 203    | 263    | Peak    |
| 7311.000          | 34.77   | 3.34   | 38.11  | 54.00  | -15.89 | 143    | 315    | Average |
| 7311.000          | 41.76   | 3.34   | 45.10  | 74.00  | -28.90 | 143    | 315    | Peak    |
| 11490.000         | 35.58   | 8.62   | 44.20  | 54.00  | -9.80  | 154    | 192    | Average |
| 11490.000         | 40.80   | 8.62   | 49.42  | 74.00  | -24.58 | 154    | 192    | Peak    |
| 17235.000         | 31.51   | 13.26  | 44.77  | 54.00  | -9.23  | 171    | 185    | Average |
| 17235.000         | 41.42   | 13.26  | 54.68  | 74.00  | -19.32 | 171    | 185    | Peak    |
| 19216.000         | 41.54   | -0.57  | 40.97  | 54.00  | -13.03 | 150    | 257    | Average |
| 19216.000         | 51.58   | -0.57  | 51.01  | 74.00  | -22.99 | 150    | 257    | Peak    |
| 19496.000         | 41.60   | 0.25   | 41.85  | 54.00  | -12.15 | 150    | 323    | Average |
| 19496.000         | 51.66   | 0.25   | 51.91  | 74.00  | -22.09 | 150    | 323    | Peak    |
| 22980.000         | 38.98   | 2.57   | 41.55  | 54.00  | -12.45 | 150    | 357    | Average |
| 22980.000         | 49.03   | 2.57   | 51.60  | 74.00  | -22.40 | 150    | 357    | Peak    |

Level (Result) = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Spurious emissions more than 20 dB below the limit were not reported.



| Vertical  |         |        |        |        |        |        |        |         |
|-----------|---------|--------|--------|--------|--------|--------|--------|---------|
| Freq.     | Reading | Factor | Level  | Limit  | Margin | Height | Degree | Remark  |
| MHz       | dBuV    | dB/m   | dBuV/m | dBuV/m | dB     | (cm)   | (°)    |         |
| 4804.000  | 37.21   | -2.47  | 34.74  | 54.00  | -19.26 | 161    | 102    | Average |
| 4804.000  | 43.27   | -2.47  | 40.80  | 74.00  | -33.20 | 161    | 102    | Peak    |
| 4874.000  | 34.10   | -2.25  | 31.85  | 54.00  | -22.15 | 177    | 84     | Average |
| 4874.000  | 44.17   | -2.25  | 41.92  | 74.00  | -32.08 | 177    | 84     | Peak    |
| 7206.000  | 35.44   | 3.03   | 38.47  | 54.00  | -15.53 | 185    | 318    | Average |
| 7206.000  | 40.83   | 3.03   | 43.86  | 74.00  | -30.14 | 185    | 318    | Peak    |
| 7311.000  | 34.54   | 3.34   | 37.88  | 54.00  | -16.12 | 152    | 273    | Average |
| 7311.000  | 41.40   | 3.34   | 44.74  | 74.00  | -29.26 | 152    | 273    | Peak    |
| 11490.000 | 34.91   | 8.62   | 43.53  | 54.00  | -10.47 | 204    | 0      | Average |
| 11490.000 | 40.68   | 8.62   | 49.30  | 74.00  | -24.70 | 204    | 0      | Peak    |
| 17235.000 | 31.42   | 13.26  | 44.68  | 54.00  | -9.32  | 169    | 201    | Average |
| 17235.000 | 41.21   | 13.26  | 54.47  | 74.00  | -19.53 | 150    | 201    | Peak    |
| 19216.000 | 40.30   | -0.57  | 39.73  | 54.00  | -14.27 | 150    | 243    | Average |
| 19216.000 | 50.18   | -0.57  | 49.61  | 74.00  | -24.39 | 150    | 243    | Peak    |
| 19496.000 | 41.37   | 0.25   | 41.62  | 54.00  | -12.38 | 150    | 104    | Average |
| 19496.000 | 51.39   | 0.25   | 51.64  | 74.00  | -22.36 | 150    | 104    | Peak    |
| 22980.000 | 38.32   | 2.57   | 40.89  | 54.00  | -13.11 | 150    | 80     | Average |
| 22980.000 | 48.82   | 2.57   | 51.39  | 74.00  | -22.61 | 150    | 80     | Peak    |

Level (Result) = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Spurious emissions more than 20 dB below the limit were not reported.



**Mode 2:**

| Horizontal |         |        |        |        |        |        |        |         |
|------------|---------|--------|--------|--------|--------|--------|--------|---------|
| Freq.      | Reading | Factor | Level  | Limit  | Margin | Height | Degree | Remark  |
| MHz        | dBuV    | dB/m   | dBuV/m | dBuV/m | dB     | (cm)   | (°)    |         |
| 4804.000   | 37.18   | -2.47  | 34.71  | 54.00  | -19.29 | 149    | 18     | Average |
| 4804.000   | 44.19   | -2.47  | 41.72  | 74.00  | -32.28 | 149    | 18     | Peak    |
| 4874.000   | 34.79   | -2.25  | 32.54  | 54.00  | -21.46 | 169    | 292    | Average |
| 4874.000   | 43.44   | -2.25  | 41.19  | 74.00  | -32.81 | 169    | 292    | Peak    |
| 7206.000   | 32.42   | 3.03   | 35.45  | 54.00  | -18.55 | 201    | 173    | Average |
| 7206.000   | 41.54   | 3.03   | 44.57  | 74.00  | -29.43 | 201    | 173    | Peak    |
| 7311.000   | 31.50   | 3.34   | 34.84  | 54.00  | -19.16 | 170    | 142    | Average |
| 7311.000   | 41.36   | 3.34   | 44.70  | 74.00  | -29.30 | 170    | 142    | Peak    |
| 10440.000  | 32.92   | 7.97   | 40.89  | 54.00  | -13.11 | 152    | 228    | Average |
| 10440.000  | 43.26   | 7.97   | 51.23  | 74.00  | -22.77 | 152    | 228    | Peak    |
| 11490.000  | 33.01   | 8.62   | 41.63  | 54.00  | -12.37 | 203    | 292    | Average |
| 11490.000  | 41.11   | 8.62   | 49.73  | 74.00  | -24.27 | 203    | 292    | Peak    |
| 15660.000  | 39.66   | 11.11  | 50.77  | 54.00  | -3.23  | 150    | 228    | Average |
| 15660.000  | 43.38   | 11.11  | 54.49  | 74.00  | -19.51 | 150    | 228    | Peak    |
| 17235.000  | 31.57   | 13.26  | 44.83  | 54.00  | -9.17  | 149    | 228    | Average |
| 17235.000  | 41.23   | 13.26  | 54.49  | 74.00  | -19.51 | 149    | 228    | Peak    |
|            |         |        |        |        |        |        |        |         |
| 19216.000  | 42.32   | -0.57  | 41.75  | 54.00  | -12.25 | 150    | 321    | Average |
| 19216.000  | 52.13   | -0.57  | 51.56  | 74.00  | -22.44 | 150    | 321    | Peak    |
| 19496.000  | 41.61   | 0.25   | 41.86  | 54.00  | -12.14 | 150    | 264    | Average |
| 19496.000  | 51.63   | 0.25   | 51.88  | 74.00  | -22.12 | 150    | 264    | Peak    |
| 20880.000  | 40.19   | 1.85   | 42.04  | 54.00  | -11.96 | 150    | 32     | Average |
| 20880.000  | 50.54   | 1.85   | 52.39  | 74.00  | -21.61 | 150    | 32     | Peak    |
| 22980.000  | 39.76   | 2.57   | 42.33  | 54.00  | -11.67 | 150    | 32     | Average |
| 22980.000  | 49.82   | 2.57   | 52.39  | 74.00  | -21.61 | 150    | 32     | Peak    |

Level (Result) = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Spurious emissions more than 20 dB below the limit were not reported.



| Vertical  |         |        |        |        |        |        |        |         |
|-----------|---------|--------|--------|--------|--------|--------|--------|---------|
| Freq.     | Reading | Factor | Level  | Limit  | Margin | Height | Degree | Remark  |
| MHz       | dBuV    | dB/m   | dBuV/m | dBuV/m | dB     | (cm)   | (°)    |         |
| 4804.000  | 36.30   | -2.47  | 33.83  | 54.00  | -20.17 | 149    | 0      | Average |
| 4804.000  | 43.17   | -2.47  | 40.70  | 74.00  | -33.30 | 149    | 0      | Peak    |
| 4874.000  | 34.58   | -2.25  | 32.33  | 54.00  | -21.67 | 201    | 153    | Average |
| 4874.000  | 43.38   | -2.25  | 41.13  | 74.00  | -32.87 | 201    | 153    | Peak    |
| 7206.000  | 32.30   | 3.03   | 35.33  | 54.00  | -18.67 | 171    | 107    | Average |
| 7206.000  | 41.22   | 3.03   | 44.25  | 74.00  | -29.75 | 171    | 107    | Peak    |
| 7311.000  | 30.92   | 3.34   | 34.26  | 54.00  | -19.74 | 188    | 7      | Average |
| 7311.000  | 40.70   | 3.34   | 44.04  | 74.00  | -29.96 | 188    | 7      | Peak    |
| 10440.000 | 32.86   | 7.97   | 40.83  | 54.00  | -13.17 | 144    | 0      | Average |
| 10440.000 | 42.13   | 7.97   | 50.10  | 74.00  | -23.90 | 144    | 0      | Peak    |
| 11490.000 | 32.88   | 8.62   | 41.50  | 54.00  | -12.50 | 167    | 72     | Average |
| 11490.000 | 40.90   | 8.62   | 49.52  | 74.00  | -24.48 | 167    | 72     | Peak    |
| 15660.000 | 29.72   | 11.11  | 40.83  | 54.00  | -13.17 | 147    | 0      | Average |
| 15660.000 | 38.51   | 11.11  | 49.62  | 74.00  | -24.38 | 147    | 0      | Peak    |
| 17235.000 | 30.87   | 13.26  | 44.13  | 54.00  | -9.87  | 155    | 360    | Average |
| 17235.000 | 41.02   | 13.26  | 54.28  | 74.00  | -19.72 | 155    | 360    | Peak    |
| 19216.000 | 42.12   | -0.57  | 41.55  | 54.00  | -12.45 | 150    | 18     | Average |
| 19216.000 | 52.09   | -0.57  | 51.52  | 74.00  | -22.48 | 150    | 18     | Peak    |
| 19496.000 | 41.29   | 0.25   | 41.54  | 54.00  | -12.46 | 150    | 95     | Average |
| 19496.000 | 51.18   | 0.25   | 51.43  | 74.00  | -22.57 | 150    | 95     | Peak    |
| 20880.000 | 40.04   | 1.85   | 41.89  | 54.00  | -12.11 | 150    | 18     | Average |
| 20880.000 | 50.25   | 1.85   | 52.10  | 74.00  | -21.90 | 150    | 18     | Peak    |
| 22980.000 | 39.44   | 2.57   | 42.01  | 54.00  | -11.99 | 150    | 161    | Average |
| 22980.000 | 49.40   | 2.57   | 51.97  | 74.00  | -22.03 | 150    | 161    | Peak    |

Level (Result) = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Spurious emissions more than 20 dB below the limit were not reported.



**Mode 3:**

| Horizontal |         |        |        |        |        |        |        |         |
|------------|---------|--------|--------|--------|--------|--------|--------|---------|
| Freq.      | Reading | Factor | Level  | Limit  | Margin | Height | Degree | Remark  |
| MHz        | dBuV    | dB/m   | dBuV/m | dBuV/m | dB     | (cm)   | (°)    |         |
| 4804.000   | 38.15   | -2.47  | 35.68  | 54.00  | -18.32 | 169    | 167    | Average |
| 4804.000   | 43.38   | -2.47  | 40.91  | 74.00  | -33.09 | 169    | 167    | Peak    |
| 4874.000   | 35.33   | -2.25  | 33.08  | 54.00  | -20.92 | 199    | 71     | Average |
| 4874.000   | 44.39   | -2.25  | 42.14  | 74.00  | -31.86 | 199    | 71     | Peak    |
| 7206.000   | 35.62   | 3.03   | 38.65  | 54.00  | -15.35 | 203    | 263    | Average |
| 7206.000   | 41.37   | 3.03   | 44.40  | 74.00  | -29.60 | 203    | 263    | Peak    |
| 7311.000   | 34.78   | 3.34   | 38.12  | 54.00  | -15.88 | 143    | 315    | Average |
| 7311.000   | 41.77   | 3.34   | 45.11  | 74.00  | -28.89 | 143    | 315    | Peak    |
| 10460.000  | 36.14   | 8.06   | 44.20  | 54.00  | -9.80  | 154    | 192    | Average |
| 10460.000  | 41.36   | 8.06   | 49.42  | 74.00  | -24.58 | 154    | 192    | Peak    |
| 11490.000  | 32.15   | 8.62   | 40.77  | 54.00  | -13.23 | 178    | 185    | Average |
| 11490.000  | 40.39   | 8.62   | 49.01  | 74.00  | -24.99 | 178    | 185    | Peak    |
| 15690.000  | 33.47   | 11.30  | 44.77  | 54.00  | -9.23  | 171    | 185    | Average |
| 15690.000  | 43.38   | 11.30  | 54.68  | 74.00  | -19.32 | 171    | 185    | Peak    |
| 17235.000  | 31.51   | 13.26  | 44.77  | 54.00  | -9.23  | 200    | 185    | Average |
| 17235.000  | 41.00   | 13.26  | 54.26  | 74.00  | -19.74 | 200    | 185    | Peak    |
|            |         |        |        |        |        |        |        |         |
| 19216.000  | 42.67   | -0.57  | 42.10  | 54.00  | -11.90 | 150    | 76     | Average |
| 19216.000  | 52.25   | -0.57  | 51.68  | 74.00  | -22.32 | 150    | 76     | Peak    |
| 19496.000  | 41.67   | 0.25   | 41.92  | 54.00  | -12.08 | 150    | 350    | Average |
| 19496.000  | 51.46   | 0.25   | 51.71  | 74.00  | -22.29 | 150    | 350    | Peak    |
| 20920.000  | 39.40   | 1.81   | 41.21  | 54.00  | -12.79 | 150    | 360    | Average |
| 20920.000  | 49.55   | 1.81   | 51.36  | 74.00  | -22.64 | 150    | 360    | Peak    |
| 22980.000  | 39.60   | 2.57   | 42.17  | 54.00  | -11.83 | 150    | 360    | Average |
| 22980.000  | 49.63   | 2.57   | 52.20  | 74.00  | -21.80 | 150    | 360    | Peak    |

Level (Result) = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Spurious emissions more than 20 dB below the limit were not reported.



| Vertical  |         |        |        |        |        |        |        |         |
|-----------|---------|--------|--------|--------|--------|--------|--------|---------|
| Freq.     | Reading | Factor | Level  | Limit  | Margin | Height | Degree | Remark  |
| MHz       | dBuV    | dB/m   | dBuV/m | dBuV/m | dB     | (cm)   | (°)    |         |
| 4804.000  | 33.17   | -2.47  | 30.70  | 54.00  | -23.30 | 169    | 137    | Average |
| 4804.000  | 43.99   | -2.47  | 41.52  | 74.00  | -32.48 | 169    | 137    | Peak    |
| 4874.000  | 33.26   | -2.25  | 31.01  | 54.00  | -22.99 | 151    | 201    | Average |
| 4874.000  | 43.23   | -2.25  | 40.98  | 74.00  | -33.02 | 151    | 201    | Peak    |
| 7206.000  | 31.59   | 3.03   | 34.62  | 54.00  | -19.38 | 144    | 161    | Average |
| 7206.000  | 41.21   | 3.03   | 44.24  | 74.00  | -29.76 | 144    | 161    | Peak    |
| 7311.000  | 31.80   | 3.34   | 35.14  | 54.00  | -18.86 | 209    | 327    | Average |
| 7311.000  | 41.04   | 3.34   | 44.38  | 74.00  | -29.62 | 209    | 327    | Peak    |
| 10460.000 | 30.68   | 8.06   | 38.74  | 54.00  | -15.26 | 175    | 271    | Average |
| 10460.000 | 40.77   | 8.06   | 48.83  | 74.00  | -25.17 | 175    | 271    | Peak    |
| 11490.000 | 30.80   | 8.62   | 39.42  | 54.00  | -14.58 | 160    | 271    | Average |
| 11490.000 | 40.59   | 8.62   | 49.21  | 74.00  | -24.79 | 160    | 271    | Peak    |
| 15690.000 | 33.20   | 11.30  | 44.50  | 54.00  | -9.50  | 183    | 283    | Average |
| 15690.000 | 43.18   | 11.30  | 54.48  | 74.00  | -19.52 | 183    | 283    | Peak    |
| 17235.000 | 30.95   | 13.26  | 44.21  | 54.00  | -9.79  | 167    | 149    | Average |
| 17235.000 | 41.11   | 13.26  | 54.37  | 74.00  | -19.63 | 167    | 149    | Peak    |
| 19216.000 | 42.42   | -0.57  | 41.85  | 54.00  | -12.15 | 150    | 189    | Average |
| 19216.000 | 51.88   | -0.57  | 51.31  | 74.00  | -22.69 | 150    | 189    | Peak    |
| 19496.000 | 41.38   | 0.25   | 41.63  | 54.00  | -12.37 | 150    | 11     | Average |
| 19496.000 | 51.40   | 0.25   | 51.65  | 74.00  | -22.35 | 150    | 11     | Peak    |
| 20920.000 | 38.32   | 1.81   | 40.13  | 54.00  | -13.87 | 150    | 317    | Average |
| 20920.000 | 49.23   | 1.81   | 51.04  | 74.00  | -22.96 | 150    | 317    | Peak    |
| 22980.000 | 39.42   | 2.57   | 41.99  | 54.00  | -12.01 | 150    | 253    | Average |
| 22980.000 | 48.63   | 2.57   | 51.20  | 74.00  | -22.80 | 150    | 253    | Peak    |

Level (Result) = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Spurious emissions more than 20 dB below the limit were not reported.



**Mode 4:**

| <b>Horizontal</b> |       |       |       |       |        |     |     |         |
|-------------------|-------|-------|-------|-------|--------|-----|-----|---------|
| 4804.000          | 32.88 | -2.47 | 30.41 | 54.00 | -23.59 | 149 | 65  | Average |
| 4804.000          | 42.93 | -2.47 | 40.46 | 74.00 | -33.54 | 149 | 65  | Peak    |
| 7206.000          | 31.28 | 3.03  | 34.31 | 54.00 | -19.69 | 181 | 219 | Average |
| 7206.000          | 41.20 | 3.03  | 44.23 | 74.00 | -29.77 | 181 | 219 | Peak    |
| 10440.000         | 32.49 | 7.97  | 40.46 | 54.00 | -13.54 | 200 | 65  | Average |
| 10440.000         | 42.13 | 7.97  | 50.10 | 74.00 | -23.90 | 200 | 65  | Peak    |
| 10460.000         | 30.51 | 8.06  | 38.57 | 54.00 | -15.43 | 199 | 359 | Average |
| 10460.000         | 40.55 | 8.06  | 48.61 | 74.00 | -25.39 | 199 | 359 | Peak    |
| 11490.000         | 29.80 | 8.62  | 38.42 | 54.00 | -15.58 | 175 | 133 | Average |
| 11490.000         | 40.18 | 8.62  | 48.80 | 74.00 | -25.20 | 175 | 133 | Peak    |
| 15660.000         | 29.31 | 11.11 | 40.42 | 54.00 | -13.58 | 150 | 65  | Average |
| 15660.000         | 32.35 | 11.11 | 43.46 | 74.00 | -30.54 | 150 | 65  | Peak    |
| 15690.000         | 31.67 | 11.30 | 42.97 | 54.00 | -11.03 | 158 | 327 | Average |
| 15690.000         | 41.89 | 11.30 | 53.19 | 74.00 | -20.81 | 158 | 327 | Peak    |
| 17235.000         | 30.77 | 13.26 | 44.03 | 54.00 | -9.97  | 166 | 296 | Average |
| 17235.000         | 41.04 | 13.26 | 54.30 | 74.00 | -19.70 | 166 | 296 | Peak    |
| 19216.000         | 43.11 | -0.57 | 42.54 | 54.00 | -11.46 | 150 | 194 | Average |
| 19216.000         | 53.30 | -0.57 | 52.73 | 74.00 | -21.27 | 150 | 194 | Peak    |
| 20880.000         | 40.69 | 1.85  | 42.54 | 54.00 | -11.46 | 150 | 194 | Average |
| 20880.000         | 50.22 | 1.85  | 52.07 | 74.00 | -21.93 | 150 | 194 | Peak    |
| 20920.000         | 39.29 | 1.81  | 41.10 | 54.00 | -12.90 | 150 | 109 | Average |
| 20920.000         | 51.66 | 1.81  | 53.47 | 74.00 | -20.53 | 150 | 109 | Peak    |
| 22980.000         | 38.82 | 2.57  | 41.39 | 54.00 | -12.61 | 150 | 84  | Average |
| 22980.000         | 49.56 | 2.57  | 52.13 | 74.00 | -21.87 | 150 | 84  | Peak    |

Level (Result) = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Spurious emissions more than 20 dB below the limit were not reported.



| Vertical  |         |        |        |        |        |        |        |         |
|-----------|---------|--------|--------|--------|--------|--------|--------|---------|
| Freq.     | Reading | Factor | Level  | Limit  | Margin | Height | Degree | Remark  |
| MHz       | dBuV    | dB/m   | dBuV/m | dBuV/m | dB     | (cm)   | (°)    |         |
| 4804.000  | 32.03   | -2.47  | 29.56  | 54.00  | -24.44 | 201    | 288    | Average |
| 4804.000  | 42.65   | -2.47  | 40.18  | 74.00  | -33.82 | 201    | 288    | Peak    |
| 7206.000  | 31.21   | 3.03   | 34.24  | 54.00  | -19.76 | 168    | 151    | Average |
| 7206.000  | 40.09   | 3.03   | 43.12  | 74.00  | -30.88 | 168    | 151    | Peak    |
| 10440.000 | 32.22   | 7.97   | 40.19  | 54.00  | -13.81 | 177    | 346    | Average |
| 10440.000 | 41.38   | 7.97   | 49.35  | 74.00  | -24.65 | 177    | 346    | Peak    |
| 10460.000 | 30.44   | 8.06   | 38.50  | 54.00  | -15.50 | 152    | 334    | Average |
| 10460.000 | 40.15   | 8.06   | 48.21  | 74.00  | -25.79 | 152    | 334    | Peak    |
| 11490.000 | 29.68   | 8.62   | 38.30  | 54.00  | -15.70 | 144    | 205    | Average |
| 11490.000 | 39.80   | 8.62   | 48.42  | 74.00  | -25.58 | 144    | 205    | Peak    |
| 15660.000 | 29.07   | 11.11  | 40.18  | 54.00  | -13.82 | 180    | 346    | Average |
| 15660.000 | 31.24   | 11.11  | 42.35  | 74.00  | -31.65 | 180    | 346    | Peak    |
| 15690.000 | 31.51   | 11.30  | 42.81  | 54.00  | -11.19 | 191    | 24     | Average |
| 15690.000 | 41.27   | 11.30  | 52.57  | 74.00  | -21.43 | 191    | 24     | Peak    |
| 17235.000 | 30.79   | 13.26  | 44.05  | 54.00  | -9.95  | 211    | 346    | Average |
| 17235.000 | 40.56   | 13.26  | 53.82  | 74.00  | -20.18 | 211    | 346    | Peak    |
| 19216.000 | 42.83   | -0.57  | 42.26  | 54.00  | -11.74 | 150    | 196    | Average |
| 19216.000 | 52.74   | -0.57  | 52.17  | 74.00  | -21.83 | 150    | 196    | Peak    |
| 20880.000 | 39.51   | 1.85   | 41.36  | 54.00  | -12.64 | 150    | 51     | Average |
| 20880.000 | 48.64   | 1.85   | 50.49  | 74.00  | -23.51 | 150    | 51     | Peak    |
| 20920.000 | 39.18   | 1.81   | 40.99  | 54.00  | -13.01 | 150    | 1      | Average |
| 20920.000 | 50.31   | 1.81   | 52.12  | 74.00  | -21.88 | 150    | 1      | Peak    |
| 22980.000 | 38.76   | 2.57   | 41.33  | 54.00  | -12.67 | 150    | 51     | Average |
| 22980.000 | 47.92   | 2.57   | 50.49  | 74.00  | -23.51 | 150    | 51     | Peak    |

Level (Result) = Reading + Factor.

Margin = Level – Limit.

Factor = Antenna Factor + Cable Loss – Amplifier Gain.

Spurious emissions more than 20 dB below the limit were not reported.



## 7 FCC §15.247(a)(2) – Maximum Output Power

### 7.1 Applicable Standard

According to FCC §15.247(b) (3).

Systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

### 7.2 Test Procedure

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to measuring equipment.

### 7.3 Test Results

Conducted output power for worst case :

| Worst case mode   |                     | Output power<br>dBm |
|-------------------|---------------------|---------------------|
| XOR WIFI-2.4GHz   | B Mode, 2437MHz     | 21.60               |
| XOR WIFI-5GHz     | AX40 Mode, 5230MHz  | 19.91               |
| Regular WIFI-5GHz | AX20 Mode, 5745 MHz | 22.82               |
| AUX WIFI-2.4GHz   | G Mode, 2437MHz     | 15.99               |
| AUX WIFI-5GHz     | A Mode, 5220MHz     | 14.80               |

\*\*\*\*\* END OF REPORT \*\*\*\*\*