



## FCC TEST REPORT

For

Shenzhen Ruiming Xin Technology Co., LTD

tablet PC

Test Model: A16

Additional Model No.: Please Refer to Page 6

Prepared for : Shenzhen Ruiming Xin Technology Co., LTD  
Address : Zone A 6/F 4 Hengchangrong High Tech Industrial Park, Hongtian  
Shangnan East Road, Huangpu Community, Xinqiao Street Bao'an  
District, Shenzhen

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.  
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Date of receipt of test sample : October 09, 2023  
Number of tested samples : 2  
Sample number : A10083085-1, A10083085-2  
Serial number : Prototype  
Date of Test : October 09, 2023 ~ October 17, 2023  
Date of Report : October 18, 2023



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**FCC TEST REPORT**  
**FCC CFR 47 PART 15 C(15.247)****Report Reference No. .... : LCSA10083085ED****Date of Issue ..... : October 18, 2023****Testing Laboratory Name ..... : Shenzhen LCS Compliance Testing Laboratory Ltd.****Address ..... : 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China****Testing Location/ Procedure ..... : Full application of Harmonised standards ■**  
**Partial application of Harmonised standards □**  
**Other standard testing method □****Applicant's Name ..... : Shenzhen Ruiming Xin Technology Co., LTD****Address ..... : Zone A 6/F 4 Hengchangrong High Tech Industrial Park, Hongtian Shangnan East Road, Huangpu Community, Xinqiao Street Bao'an District, Shenzhen****Test Specification****Standard ..... : FCC CFR 47 PART 15 C(15.247)****Test Report Form No. .... : LCSEMC-1.0****TRF Originator ..... : Shenzhen LCS Compliance Testing Laboratory Ltd.****Master TRF ..... : Dated 2011-03****Shenzhen LCS Compliance Testing Laboratory Ltd. All rights reserved.**

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**EUT Description. .... : tablet PC****Trade Mark ..... : aigo****Test Model ..... : A16****Ratings ..... : Input: 5.0V $\pm$ 2.0A****For AC Adapter Input: 100-240V~, 50/60Hz, 0.5A****Adapter Output: 5.0V $\pm$ 2.0A 10.0W****DC 3.8V by Rechargeable Li-ion Battery, 6000mAh****Result ..... : Positive****Compiled by:**

Vera Deng/ Administrator

**Supervised by:**

Cary Luo/ Technique principal

**Approved by:**

Gavin Liang/ Manager



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**FCC -- TEST REPORT**

|                                                |                                          |
|------------------------------------------------|------------------------------------------|
| <b>Test Report No. :</b> <b>LCSA10083085ED</b> | <u>October 18, 2023</u><br>Date of issue |
|------------------------------------------------|------------------------------------------|

|                          |                                                                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT.....                 | : tablet PC                                                                                                                                      |
| Test Model.....          | : A16                                                                                                                                            |
| <b>Applicant.....</b>    | <b>: Shenzhen Ruiming Xin Technology Co., LTD</b>                                                                                                |
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| Telephone.....           | : /                                                                                                                                              |
| Fax.....                 | : /                                                                                                                                              |
| <b>Manufacturer.....</b> | <b>: Shenzhen Ruiming Xin Technology Co., LTD</b>                                                                                                |
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| <b>Factory.....</b>      | <b>: Shenzhen Ruiming Xin Technology Co., LTD</b>                                                                                                |
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| Telephone.....           | : /                                                                                                                                              |
| Fax.....                 | : /                                                                                                                                              |

|                    |                 |
|--------------------|-----------------|
| <b>Test Result</b> | <b>Positive</b> |
|--------------------|-----------------|

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.



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Revision History

| Report Version | Issue Date       | Revision Content | Revised By |
|----------------|------------------|------------------|------------|
| 000            | October 18, 2023 | Initial Issue    | ---        |
|                |                  |                  |            |
|                |                  |                  |            |





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## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

EUT : tablet PC

Test Model : A16

Additional Model No. : A16xxxxxxx

(Where x can be "0-9", "A-Z", "a-z", "-" or blank, which precedes when x is blank - for blank, It is used to distinguish the model, other are the same, the difference does not affect Safety and EMC performance)

Model Declaration : PCB board, structure and internal of these model(s) are the same, So no additional models were tested

Power Supply : Input: 5.0V $\pm$ 2.0A  
For AC Adapter Input: 100-240V~, 50/60Hz, 0.5A  
Adapter Output: 5.0V $\pm$ 2.0A 10.0W  
DC 3.8V by Rechargeable Li-ion Battery, 6000mAh

Hardware Version : RC-PF196

Software Version : Alps-mp-s0.mp1-v14.203

Bluetooth :

Frequency Range : 2402MHz~2480MHz

Channel Number : 79 channels for Bluetooth V5.0 (DSS)  
40 channels for Bluetooth V5.0 (DTS)

Channel Spacing : 1MHz for Bluetooth V5.0 (DSS)  
2MHz for Bluetooth V5.0 (DTS)

Modulation Type : GFSK,  $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.0(DSS)  
GFSK for Bluetooth V5.0 (DTS)

Bluetooth Version : V5.0

Antenna Description : PIFA Antenna, 0.25dBi(Max.)

WIFI(2.4G Band) :

Frequency Range : 2412MHz~2462MHz

Channel Spacing : 5MHz

Channel Number : 11 Channels for 20MHz bandwidth (2412~2462MHz)  
7 Channels for 40MHz bandwidth (2422~2452MHz)

Modulation Type : IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK)  
IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)  
IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)

Antenna Description : PIFA Antenna, 0.25dBi(Max.)

5.2G WLAN :

Frequency Range : 5180MHz~5240MHz

Channel Number : 4 channels for 20MHz bandwidth(5180MHz~5240MHz)  
2 channels for 40MHz bandwidth(5190MHz~5230MHz)



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1 channels for 80MHz bandwidth(5210MHz)

Modulation Type : IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)  
IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)  
IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna Description : PIFA Antenna, 1.97dBi(Max.)

5.8G WLAN :

Frequency Range : 5745MHz~5825MHz

Channel Number : 5 channels for 20MHz bandwidth(5745MHz~5825MHz)  
2 channels for 40MHz bandwidth(5755MHz~5795MHz)  
1 channels for 80MHz bandwidth(5775MHz)

Modulation Type : IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)  
IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)  
IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna Description : PIFA Antenna, 1.97dBi(Max.)





## 1.2. Support equipment List

| Manufacturer                                       | Description   | Model          | Serial Number | Certificate |
|----------------------------------------------------|---------------|----------------|---------------|-------------|
| Zhongshan Master Lighe Source Electronic Co., Ltd. | AC/DC ADAPTER | M050200-S86USU | ---           | FCC         |

## 1.3. External I/O Cable

| I/O Port Description | Quantity | Cable |
|----------------------|----------|-------|
| Type-C USB Port      | 1        | N/A   |
| Headset Port         | 1        | N/A   |

## 1.4. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

## 1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.



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## 1.6. Measurement Uncertainty

| Test Item                      | Frequency Range | Uncertainty | Note |
|--------------------------------|-----------------|-------------|------|
| Radiation Uncertainty          | 9KHz~30MHz      | ±3.10dB     | (1)  |
|                                | 30MHz~200MHz    | ±2.96dB     | (1)  |
|                                | 200MHz~1000MHz  | ±3.10dB     | (1)  |
|                                | 1GHz~26.5GHz    | ±3.80dB     | (1)  |
|                                | 26.5GHz~40GHz   | ±3.90dB     | (1)  |
| Conduction Uncertainty         | 150kHz~30MHz    | ±1.63dB     | (1)  |
| Power disturbance              | 30MHz~300MHz    | ±1.60dB     | (1)  |
| Output power                   | 1GHz~40GHz      | ±0.57dB     | (1)  |
| Power Spectral Density         | 1GHz~40GHz      | ±1.2dB      | (1)  |
| Occupied Channel Bandwidth     | 1GHz~40GHz      | ±5%         | (1)  |
| Conducted RF Spurious Emission | 9kHz~40GHz      | ±1.80dB     | (1)  |
| Emissions in Restricted Bands  | 1GHz~40GHz      | ±2.47dB     | (1)  |

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

## 1.7. Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in Y position.

AC conducted emission pre-test at both at AC 120V/60Hz and AC 240V/60Hz modes, recorded worst case;

AC conducted emission pre-test at power adapter modes, recorded worst case;

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was determined to be IEEE 802.11b mode (High Channel).

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was determined to be IEEE 802.11b mode (High Channel).

Worst-Case data rates were utilized from preliminary testing of the Chipset, worst-case data rates used during the testing are as follows:

IEEE 802.11b Mode: 1 Mbps, DSSS.

IEEE 802.11g Mode: 6 Mbps, OFDM.

IEEE 802.11n Mode HT20: MCS0, OFDM.

IEEE 802.11n Mode HT40: MCS0, OFDM.



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## Channel List &amp; Frequency

IEEE 802.11b/g/n HT20

| Frequency Band | Channel No. | Frequency(MHz) | Channel No. | Frequency(MHz) |
|----------------|-------------|----------------|-------------|----------------|
| 2412~2462MHz   | 1           | 2412           | 7           | 2442           |
|                | 2           | 2417           | 8           | 2447           |
|                | 3           | 2422           | 9           | 2452           |
|                | 4           | 2427           | 10          | 2457           |
|                | 5           | 2432           | 11          | 2462           |
|                | 6           | 2437           | ---         | ---            |

IEEE 802.11n HT40

| Frequency Band | Channel No. | Frequency(MHz) | Channel No. | Frequency(MHz) |
|----------------|-------------|----------------|-------------|----------------|
| 2422~2452MHz   | ---         | ---            | 7           | 2442           |
|                | ---         | ---            | 8           | 2447           |
|                | 3           | 2422           | 9           | 2452           |
|                | 4           | 2427           | ---         | ---            |
|                | 5           | 2432           | ---         | ---            |
|                | 6           | 2437           | ---         | ---            |



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## 2. 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.

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen LCS Compliance Testing Laboratory Ltd.

### 2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

### 2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to FCC's request, Test Procedure KDB558074 D01 15.247 Meas Guidance v05r02 is required to be used for this kind of FCC 15.247 digital modulation device.

According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.205, 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

### 2.3. General Test Procedures

#### 2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

#### 2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above ground plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10-2013.

### 2.4. Test Sample

The application provides 2 samples to meet requirement;

| Sample Number         | Description                           |
|-----------------------|---------------------------------------|
| Sample 1(A10083085-1) | Engineer sample – continuous transmit |
| Sample 2(A10083085-2) | Normal sample – Intermittent transmit |



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### 3. SYSTEM TEST CONFIGURATION

#### 3.1. Justification

The system was configured for testing in a continuous transmits condition.

#### 3.2. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by developer mode provided by application.

#### 3.3. Special Accessories

N/A.

#### 3.4. Block Diagram/Schematics

Please refer to the related document

#### 3.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

#### 3.6. Test Setup

Please refer to the test setup photo.



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#### 4. SUMMARY OF TEST RESULTS

| Applied Standard: FCC Part 15 Subpart C |                             |                      |           |        |
|-----------------------------------------|-----------------------------|----------------------|-----------|--------|
| FCC Rules                               | Description of Test         | Test Sample          | Result    | Remark |
| §15.209(a)                              | Radiated Spurious Emissions | Sample 1<br>Sample 2 | Compliant | Note 1 |
| §15.207(a)                              | Conducted Emissions         | Sample 2             | Compliant | Note 1 |
| §15.203                                 | Antenna Requirements        | Sample 1             | Compliant | Note 1 |
| §15.247(i)§1.1310<br>§15.247(i)§2.1093  | RF Exposure                 | N/A                  | Compliant | Note 2 |

**Remark:**

1. Note 1 – Test results inside test report;
2. Note 2 – Test results in other test report (SAR Report);



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## 5. TEST RESULT

### 5.1. Radiated Emissions Measurement

#### 5.1.1. Standard Applicable

15.205 (a) Except as shown 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        | 399.9-410     | 4.5-5.15    |
| \1\ 0.495-0.505   | 16.69475-16.69525   | 608-614       | 5.35-5.46   |
| 2.1735-2.1905     | 16.80425-16.80475   | 960-1240      | 7.25-7.75   |
| 4.125-4.128       | 25.5-25.67          | 1300-1427     | 8.025-8.5   |
| 4.17725-4.17775   | 37.5-38.25          | 1435-1626.5   | 9.0-9.2     |
| 4.20725-4.20775   | 73-74.6             | 1645.5-1646.5 | 9.3-9.5     |
| 6.215-6.218       | 74.8-75.2           | 1660-1710     | 10.6-12.7   |
| 6.26775-6.26825   | 108-121.94          | 1718.8-1722.2 | 13.25-13.4  |
| 6.31175-6.31225   | 123-138             | 2200-2300     | 14.47-14.5  |
| 8.291-8.294       | 149.9-150.05        | 2310-2390     | 15.35-16.2  |
| 8.362-8.366       | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4   |
| 8.37625-8.38675   | 156.7-156.9         | 2690-2900     | 22.01-23.12 |
| 8.41425-8.41475   | 162.0125-167.17     | 3260-3267     | 23.6-24.0   |
| 12.29-12.293      | 167.72-173.2        | 3332-3339     | 31.2-31.8   |
| 12.51975-12.52025 | 240-285             | 3345.8-3358   | 36.43-36.5  |
| 12.57675-12.57725 | 322-335.4           | 3600-4400     | (\2\)       |
| 13.36-13.41       |                     |               |             |

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

\2\ Above 38.6

According to §15.247 (d): 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies (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                             |



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### 5.1.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

| Spectrum Parameter                        | Setting                                           |
|-------------------------------------------|---------------------------------------------------|
| Attenuation                               | Auto                                              |
| Start Frequency                           | 1000 MHz                                          |
| Stop Frequency                            | 10 <sup>th</sup> carrier harmonic                 |
| RB / VB (Emission in restricted band)     | 1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average |
| RB / VB (Emission in non-restricted band) | 1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average |

| Receiver Parameter     | Setting                                    |
|------------------------|--------------------------------------------|
| Attenuation            | Auto                                       |
| Start ~ Stop Frequency | 9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG  |
| Start ~ Stop Frequency | 150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB/VB 120kHz/1MHz for QP   |

### 5.1.3. Test Procedures

#### 1) Sequence of testing 9 kHz to 30 MHz

##### Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- If the EUT is a floor standing device, it is placed on the ground.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

##### Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna height is 1.0 meter.
- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

##### Final measurement:

- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).
- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.
- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.





## 2) Sequence of testing 30 MHz to 1 GHz

### Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

### Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height changes from 1 to 3 meter.
- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

### Final measurement:

- The final measurement will be performed with minimum the six highest peaks.
- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ( $\pm 45^\circ$ ) and antenna movement between 1 and 4 meter.
- The final measurement will be done with QP detector with an EMI receiver.
- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.





### 3) Sequence of testing 1 GHz to 18 GHz

#### Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 3 meter.
- The EUT was set into operation.

#### Premeasurement:

- The turntable rotates from 0° to 315° using 45° steps.
- The antenna is polarized vertical and horizontal.
- The antenna height scan range is 1 meter to 2.5 meter.
- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

#### Final measurement:

- The final measurement will be performed with minimum the six highest peaks.
- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position ( $\pm 45^\circ$ ) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.
- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.
- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.





#### 4) Sequence of testing above 18 GHz

##### Setup:

- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- The measurement distance is 1 meter.
- The EUT was set into operation.

##### Premeasurement:

- The antenna is moved spherical over the EUT in different polarizations of the antenna.

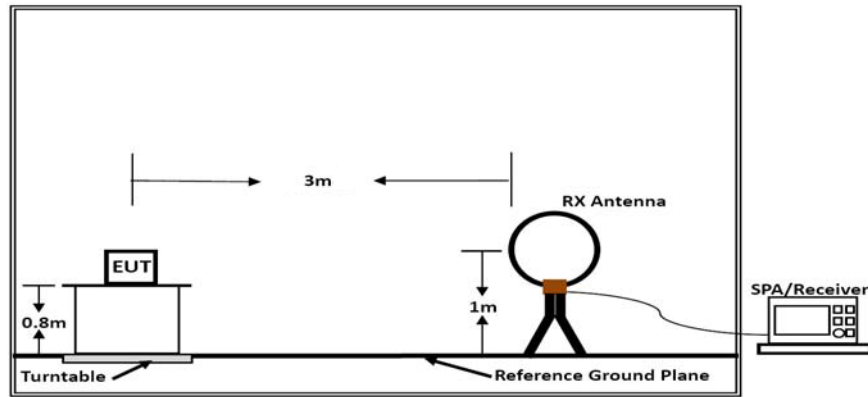
##### Final measurement:

- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.
- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

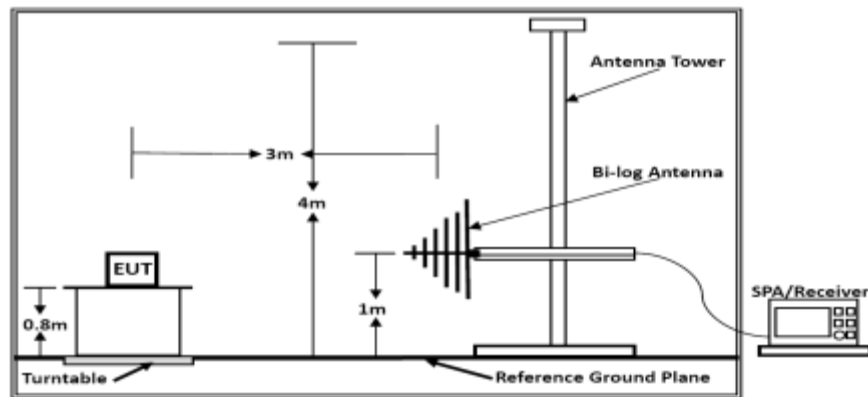




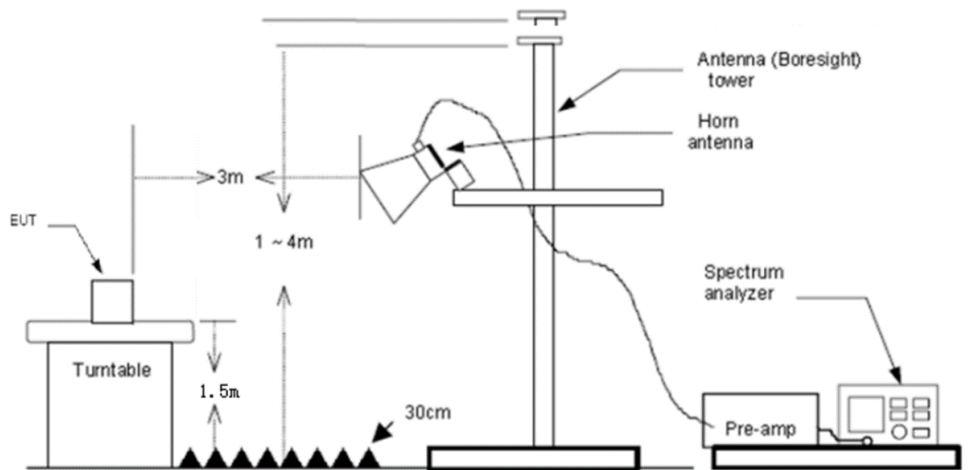
## 5.1.4. Test Setup Layout



Below 30MHz



Below 1GHz



Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade from 3m to 1m.



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#### 5.1.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

#### 5.1.6. Results of Radiated Emissions (9 KHz~30MHz)

|               |          |                |                  |
|---------------|----------|----------------|------------------|
| Temperature   | 23.8℃    | Humidity       | 52.1%            |
| Test Engineer | Joker Hu | Configurations | IEEE 802.11b/g/n |

| Freq.<br>(MHz) | Level<br>(dBuV) | Over Limit<br>(dB) | Over Limit<br>(dB) | Remark   |
|----------------|-----------------|--------------------|--------------------|----------|
| -              | -               | -                  | -                  | See Note |

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor =  $40 \log$  (specific distance / test distance) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

#### 5.1.7. Results of Radiated Emissions (30MHz~1GHz)

|               |          |                |                  |
|---------------|----------|----------------|------------------|
| Temperature   | 23.8℃    | Humidity       | 52.1%            |
| Test Engineer | Joker Hu | Configurations | IEEE 802.11b/g/n |

**PASS.**

The test data please refer to following page.



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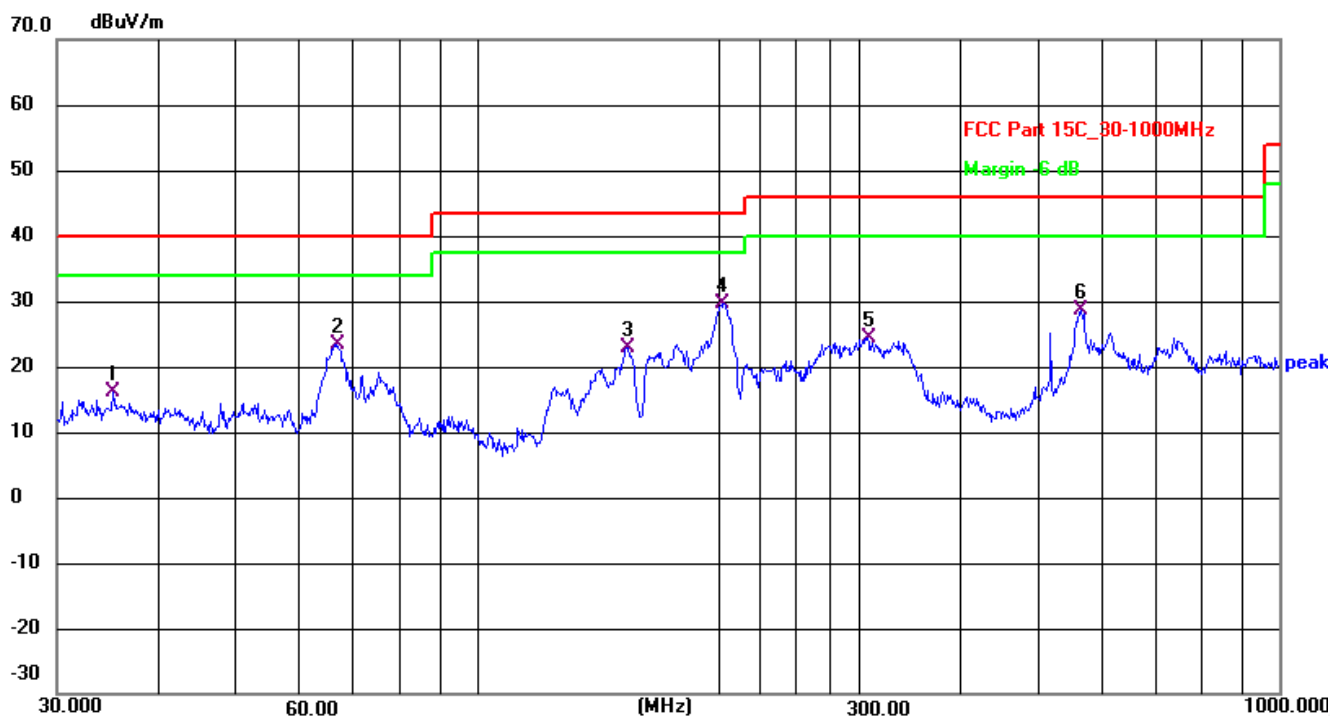
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## Horizontal



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 35.2511         | 33.87          | -17.79        | 16.08          | 40.00          | -23.92      | QP       |
| 2   | 66.9669         | 42.69          | -19.29        | 23.40          | 40.00          | -16.60      | QP       |
| 3   | 154.2785        | 42.72          | -19.76        | 22.96          | 43.50          | -20.54      | QP       |
| 4   | 202.1004        | 47.01          | -17.33        | 29.68          | 43.50          | -13.82      | QP       |
| 5   | 306.7537        | 39.68          | -15.23        | 24.45          | 46.00          | -21.55      | QP       |
| 6   | 566.6221        | 39.87          | -11.18        | 28.69          | 46.00          | -17.31      | QP       |



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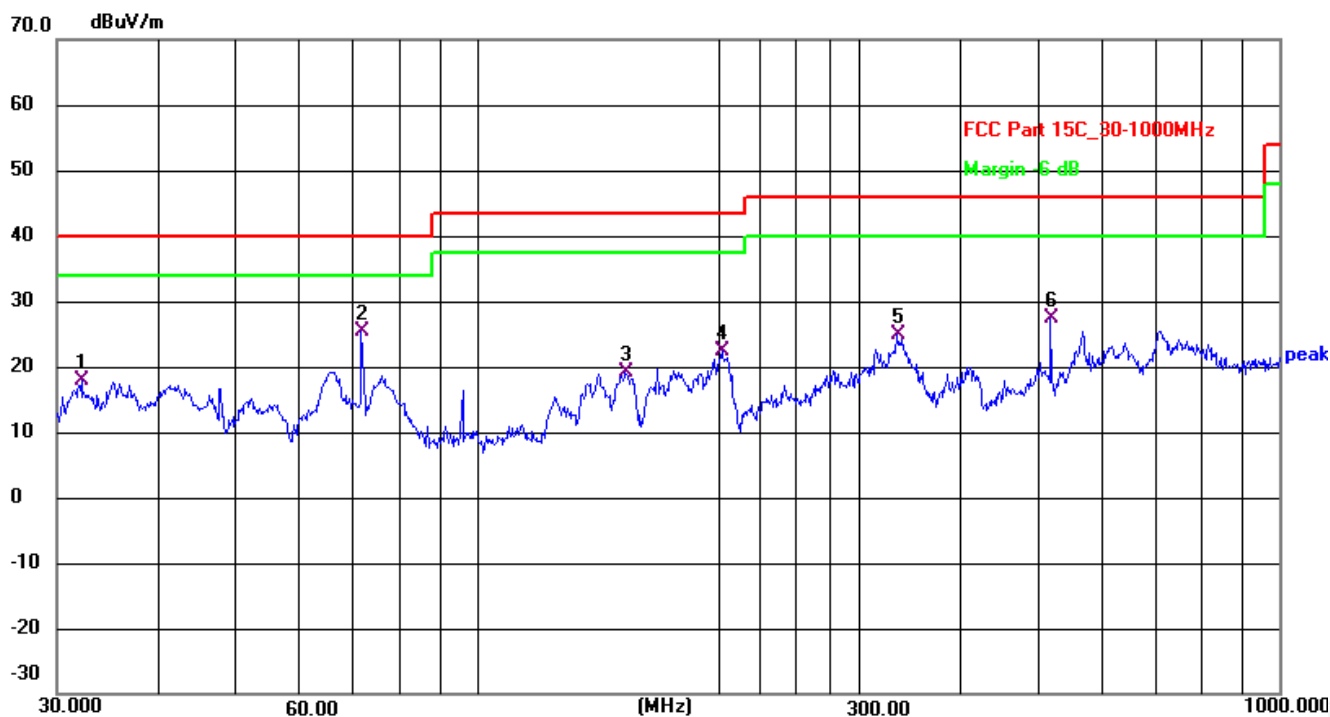
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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## Vertical



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|
| 1   | 32.1794         | 35.97          | -18.16        | 17.81          | 40.00          | -22.19      | QP       |
| 2   | 71.8320         | 44.81          | -19.54        | 25.27          | 40.00          | -14.73      | QP       |
| 3   | 153.2003        | 38.80          | -19.78        | 19.02          | 43.50          | -24.48      | QP       |
| 4   | 202.1004        | 39.78          | -17.33        | 22.45          | 43.50          | -21.05      | QP       |
| 5   | 333.6867        | 39.40          | -14.43        | 24.97          | 46.00          | -21.03      | QP       |
| 6   | 519.0649        | 40.17          | -12.83        | 27.34          | 46.00          | -18.66      | QP       |

## Note:

Pre-scan all modes and recorded the worst case results in this report IEEE 802.11b mode (High Channel).

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Level = Reading + Factor, Margin = Level – Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor



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## 5.1.8. Results for Radiated Emissions (1 GHz~26.5GHz)

Note: All the modes have been tested and recorded worst mode in the report.

IEEE 802.11b

Channel 1 / 2412 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4824.00   | 60.48        | 33.06          | 35.04        | 3.94         | 62.44           | 74.00        | -11.56    | Peak    | Horizontal |
| 4824.00   | 42.79        | 33.06          | 35.04        | 3.94         | 44.75           | 54.00        | -9.25     | Average | Horizontal |
| 4824.00   | 59.57        | 33.06          | 35.04        | 3.94         | 61.53           | 74.00        | -12.47    | Peak    | Vertical   |
| 4824.00   | 47.42        | 33.06          | 35.04        | 3.94         | 49.38           | 54.00        | -4.62     | Average | Vertical   |

Channel 6 / 2437 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4874.00   | 56.29        | 33.16          | 35.15        | 3.96         | 58.26           | 74.00        | -15.74    | Peak    | Horizontal |
| 4874.00   | 40.09        | 33.16          | 35.15        | 3.96         | 42.06           | 54.00        | -11.94    | Average | Horizontal |
| 4874.00   | 59.17        | 33.16          | 35.15        | 3.96         | 61.14           | 74.00        | -12.86    | Peak    | Vertical   |
| 4874.00   | 43.91        | 33.16          | 35.15        | 3.96         | 45.88           | 54.00        | -8.12     | Average | Vertical   |

Channel 11 / 2462 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4924.00   | 59.81        | 33.26          | 35.14        | 3.98         | 61.91           | 74.00        | -12.09    | Peak    | Horizontal |
| 4924.00   | 44.39        | 33.26          | 35.14        | 3.98         | 46.49           | 54.00        | -7.51     | Average | Horizontal |
| 4924.00   | 51.58        | 33.26          | 35.14        | 3.98         | 53.68           | 74.00        | -20.32    | Peak    | Vertical   |
| 4924.00   | 43.24        | 33.26          | 35.14        | 3.98         | 45.34           | 54.00        | -8.66     | Average | Vertical   |

IEEE 802.11g

Channel 1 / 2412 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4824.00   | 61.41        | 33.06          | 35.04        | 3.94         | 63.37           | 74.00        | -10.63    | Peak    | Horizontal |
| 4824.00   | 45.05        | 33.06          | 35.04        | 3.94         | 47.01           | 54.00        | -6.99     | Average | Horizontal |
| 4824.00   | 57.57        | 33.06          | 35.04        | 3.94         | 59.53           | 74.00        | -14.47    | Peak    | Vertical   |
| 4824.00   | 43.32        | 33.06          | 35.04        | 3.94         | 45.28           | 54.00        | -8.72     | Average | Vertical   |

Channel 6 / 2437 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4874.00   | 59.99        | 33.16          | 35.15        | 3.96         | 61.96           | 74.00        | -12.04    | Peak    | Horizontal |
| 4874.00   | 45.84        | 33.16          | 35.15        | 3.96         | 47.81           | 54.00        | -6.19     | Average | Horizontal |
| 4874.00   | 54.30        | 33.16          | 35.15        | 3.96         | 56.27           | 74.00        | -17.73    | Peak    | Vertical   |
| 4874.00   | 42.37        | 33.16          | 35.15        | 3.96         | 44.34           | 54.00        | -9.66     | Average | Vertical   |



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## Channel 11 / 2462 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4924.00   | 58.15        | 33.26          | 35.14        | 3.98         | 60.25           | 74.00        | -13.75    | Peak    | Horizontal |
| 4924.00   | 43.33        | 33.26          | 35.14        | 3.98         | 45.43           | 54.00        | -8.57     | Average | Horizontal |
| 4924.00   | 59.00        | 33.26          | 35.14        | 3.98         | 61.10           | 74.00        | -12.90    | Peak    | Vertical   |
| 4924.00   | 44.24        | 33.26          | 35.14        | 3.98         | 46.34           | 54.00        | -7.66     | Average | Vertical   |

## IEEE 802.11n HT20

## Channel 1 / 2412 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4824.00   | 57.08        | 33.06          | 35.04        | 3.94         | 59.04           | 74.00        | -14.96    | Peak    | Horizontal |
| 4824.00   | 42.17        | 33.06          | 35.04        | 3.94         | 44.13           | 54.00        | -9.87     | Average | Horizontal |
| 4824.00   | 52.69        | 33.06          | 35.04        | 3.94         | 54.65           | 74.00        | -19.35    | Peak    | Vertical   |
| 4824.00   | 44.91        | 33.06          | 35.04        | 3.94         | 46.87           | 54.00        | -7.13     | Average | Vertical   |

## Channel 6 / 2437 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4874.00   | 60.98        | 33.16          | 35.15        | 3.96         | 62.95           | 74.00        | -11.05    | Peak    | Horizontal |
| 4874.00   | 44.67        | 33.16          | 35.15        | 3.96         | 46.64           | 54.00        | -7.36     | Average | Horizontal |
| 4874.00   | 61.79        | 33.16          | 35.15        | 3.96         | 63.76           | 74.00        | -10.24    | Peak    | Vertical   |
| 4874.00   | 43.43        | 33.16          | 35.15        | 3.96         | 45.40           | 54.00        | -8.60     | Average | Vertical   |

## Channel 11 / 2462 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4924.00   | 59.03        | 33.26          | 35.14        | 3.98         | 61.13           | 74.00        | -12.87    | Peak    | Horizontal |
| 4924.00   | 43.17        | 33.26          | 35.14        | 3.98         | 45.27           | 54.00        | -8.73     | Average | Horizontal |
| 4924.00   | 56.73        | 33.26          | 35.14        | 3.98         | 58.83           | 74.00        | -15.17    | Peak    | Vertical   |
| 4924.00   | 45.54        | 33.26          | 35.14        | 3.98         | 47.64           | 54.00        | -6.36     | Average | Vertical   |

## IEEE 802.11n HT40

## Channel 3 / 2422 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4844.00   | 58.26        | 33.06          | 35.04        | 3.94         | 60.22           | 74.00        | -13.78    | Peak    | Horizontal |
| 4844.00   | 46.12        | 33.06          | 35.04        | 3.94         | 48.08           | 54.00        | -5.92     | Average | Horizontal |
| 4844.00   | 58.35        | 33.06          | 35.04        | 3.94         | 60.31           | 74.00        | -13.69    | Peak    | Vertical   |
| 4844.00   | 42.87        | 33.06          | 35.04        | 3.94         | 44.83           | 54.00        | -9.17     | Average | Vertical   |



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## Channel 6 / 2437 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4874.00   | 60.02        | 33.16          | 35.15        | 3.96         | 61.99           | 74.00        | -12.01    | Peak    | Horizontal |
| 4874.00   | 42.65        | 33.16          | 35.15        | 3.96         | 44.62           | 54.00        | -9.38     | Average | Horizontal |
| 4874.00   | 49.59        | 33.16          | 35.15        | 3.96         | 51.56           | 74.00        | -22.44    | Peak    | Vertical   |
| 4874.00   | 42.02        | 33.16          | 35.15        | 3.96         | 43.99           | 54.00        | -10.01    | Average | Vertical   |

## Channel 9 / 2452 MHz

| Freq. MHz | Reading dBuV | Ant. Fac. dB/m | Pre. Fac. dB | Cab. Loss dB | Measured dBuV/m | Limit dBuV/m | Margin dB | Remark  | Pol.       |
|-----------|--------------|----------------|--------------|--------------|-----------------|--------------|-----------|---------|------------|
| 4904.00   | 52.92        | 33.26          | 35.14        | 3.98         | 55.02           | 74.00        | -18.98    | Peak    | Horizontal |
| 4904.00   | 46.21        | 33.26          | 35.14        | 3.98         | 48.31           | 54.00        | -5.69     | Average | Horizontal |
| 4904.00   | 59.29        | 33.26          | 35.14        | 3.98         | 61.39           | 74.00        | -12.61    | Peak    | Vertical   |
| 4904.00   | 42.37        | 33.26          | 35.14        | 3.98         | 44.47           | 54.00        | -9.53     | Average | Vertical   |

**Notes:**

- 1). Measuring frequencies from 9 KHz - 10th harmonic or 26.5GHz (which is less), at least have 20dB margin between lowest internal used/generated frequency to 30MHz.
- 2). Radiated emissions measured in frequency range from 9 KHz~10th harmonic or 26.5GHz (which is less) were made with an instrument using Peak detector mode.
- 3). Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4). Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20; 13.5Mbps at IEEE 802.11n HT40.
- 5). Measured Level = Reading Level + Factor, Margin = Measured Level-Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor.



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## 5.2. AC Power line conducted emissions

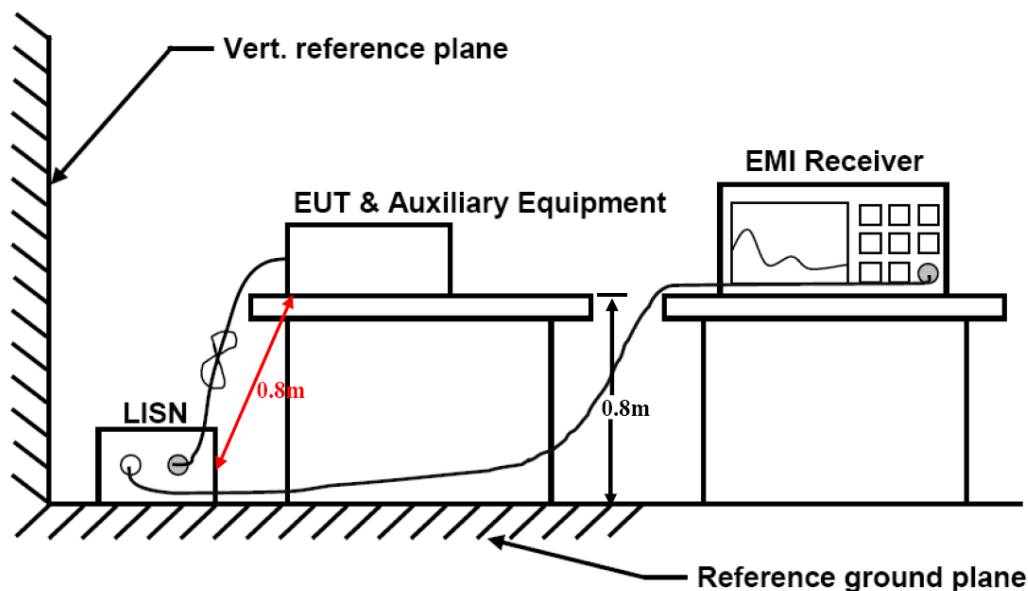
### 5.2.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

| Frequency Range (MHz) | Limits (dB $\mu$ V) |          |
|-----------------------|---------------------|----------|
|                       | Quasi-peak          | Average  |
| 0.15 to 0.50          | 66 to 56            | 56 to 46 |
| 0.50 to 5             | 56                  | 46       |
| 5 to 30               | 60                  | 50       |

\* Decreasing linearly with the logarithm of the frequency

### 5.2.2 Block Diagram of Test Setup



### 5.2.3 Test Results

|               |          |                |                  |
|---------------|----------|----------------|------------------|
| Temperature   | 23.5°C   | Humidity       | 53.6%            |
| Test Engineer | Joker Hu | Configurations | IEEE 802.11b/g/n |

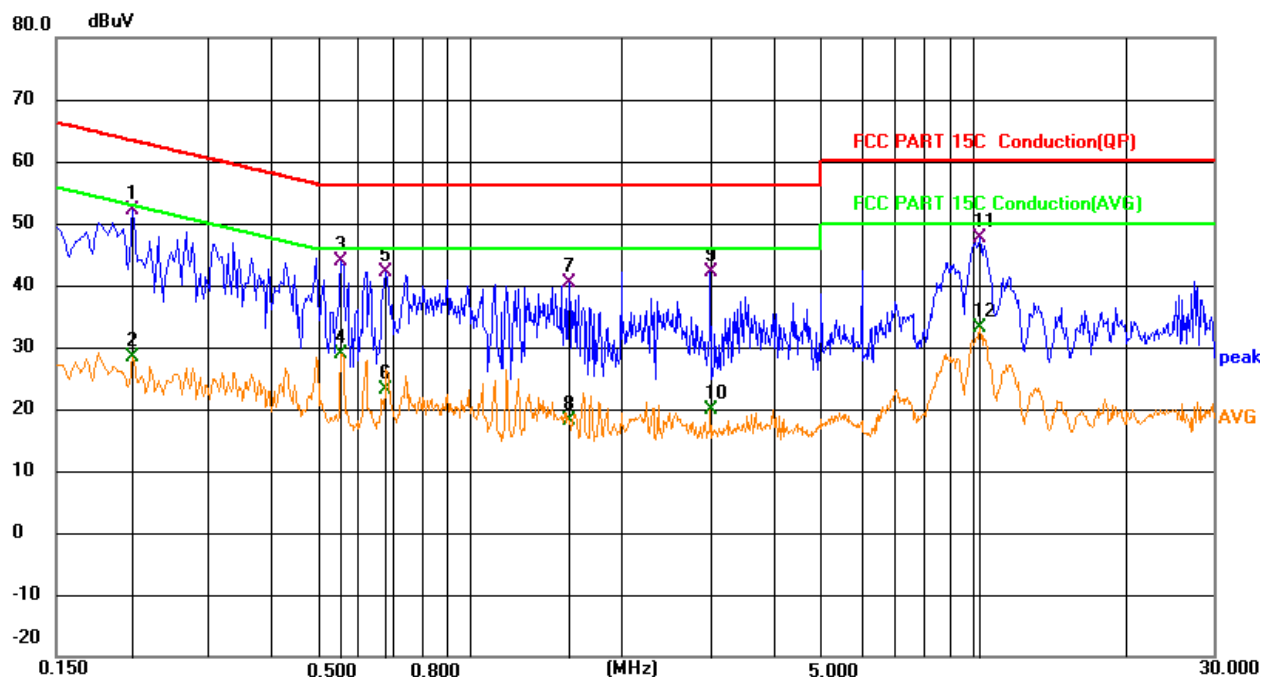
**PASS.**

The test data please refer to following page.



**AC Conducted Emission @ AC 120V/60Hz (worst case)**

Line



| No. | Mk. | Freq.   | Reading Level | Correct Factor | Measurement | Limit | Margin |          |
|-----|-----|---------|---------------|----------------|-------------|-------|--------|----------|
|     |     | MHz     | dBuV          | dB             | dBuV        | dBuV  | dB     | Detector |
| 1   | *   | 0.2131  | 32.58         | 19.63          | 52.21       | 63.08 | -10.87 | QP       |
| 2   |     | 0.2131  | 8.80          | 19.63          | 28.43       | 53.08 | -24.65 | AVG      |
| 3   |     | 0.5550  | 24.12         | 19.65          | 43.77       | 56.00 | -12.23 | QP       |
| 4   |     | 0.5550  | 9.21          | 19.65          | 28.86       | 46.00 | -17.14 | AVG      |
| 5   |     | 0.6765  | 22.39         | 19.65          | 42.04       | 56.00 | -13.96 | QP       |
| 6   |     | 0.6765  | 3.49          | 19.65          | 23.14       | 46.00 | -22.86 | AVG      |
| 7   |     | 1.5765  | 20.82         | 19.67          | 40.49       | 56.00 | -15.51 | QP       |
| 8   |     | 1.5765  | -1.62         | 19.67          | 18.05       | 46.00 | -27.95 | AVG      |
| 9   |     | 2.9941  | 22.56         | 19.68          | 42.24       | 56.00 | -13.76 | QP       |
| 10  |     | 2.9941  | 0.20          | 19.68          | 19.88       | 46.00 | -26.12 | AVG      |
| 11  |     | 10.3020 | 27.83         | 19.85          | 47.68       | 60.00 | -12.32 | QP       |
| 12  |     | 10.3020 | 13.23         | 19.85          | 33.08       | 50.00 | -16.92 | AVG      |



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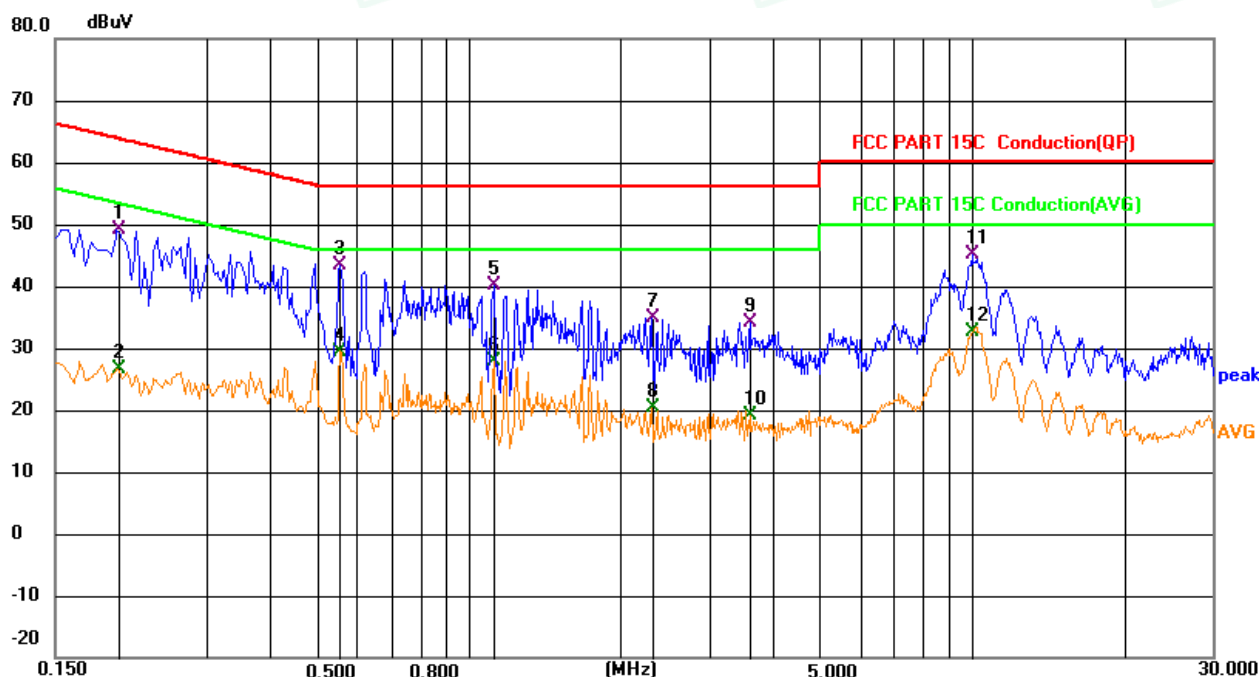
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Neutral



| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Margin<br>dB | Detector |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|--------------|----------|
| 1   |     | 0.1996       | 29.58                    | 19.63                   | 49.21                    | 63.63         | -14.42       | QP       |
| 2   |     | 0.1996       | 7.05                     | 19.63                   | 26.68                    | 53.63         | -26.95       | AVG      |
| 3   | *   | 0.5550       | 23.84                    | 19.65                   | 43.49                    | 56.00         | -12.51       | QP       |
| 4   |     | 0.5550       | 9.85                     | 19.65                   | 29.50                    | 46.00         | -16.50       | AVG      |
| 5   |     | 1.1174       | 20.36                    | 19.65                   | 40.01                    | 56.00         | -15.99       | QP       |
| 6   |     | 1.1174       | 8.29                     | 19.65                   | 27.94                    | 46.00         | -18.06       | AVG      |
| 7   |     | 2.3055       | 15.17                    | 19.70                   | 34.87                    | 56.00         | -21.13       | QP       |
| 8   |     | 2.3055       | 0.60                     | 19.70                   | 20.30                    | 46.00         | -25.70       | AVG      |
| 9   |     | 3.6106       | 14.41                    | 19.78                   | 34.19                    | 56.00         | -21.81       | QP       |
| 10  |     | 3.6106       | -0.67                    | 19.78                   | 19.11                    | 46.00         | -26.89       | AVG      |
| 11  |     | 9.9961       | 25.28                    | 19.85                   | 45.13                    | 60.00         | -14.87       | QP       |
| 12  |     | 10.0411      | 12.73                    | 19.85                   | 32.58                    | 50.00         | -17.42       | AVG      |

\*\*\*Note: 1). Pre-scan all modes and recorded the worst case results in this report IEEE 802.11b mode (High Channel)

2). Measurement = Reading + Correct Factor, Margin = Measurement – Limit,

Correct Factor=Lisn Factor+Cable Factor.



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### 5.3. Antenna Requirements

#### 5.3.1 Standard Applicable

According to antenna requirement of §15.203.

According to antenna requirement of §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

And according to §15.247(4)(1), system operating in the 2400-2483.5MHz bands that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

#### 5.3.2 Antenna Connected Construction

##### 5.3.2.1. Standard Applicable

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

##### 5.3.2.2. Antenna Connector Construction

The gains of antenna used for transmitting is 0.25dBi(Max.), and the antenna is a PIFA Antenna and no consideration of replacement. Please see EUT photo for details.

##### 5.3.2.3. Results: Compliance.



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## 6. LIST OF MEASURING EQUIPMENTS

| Item | Equipment                | Manufacturer   | Model No.   | Serial No.      | Cal Date   | Due Date   |
|------|--------------------------|----------------|-------------|-----------------|------------|------------|
| 1    | Power Meter              | R&S            | NRVS        | 100444          | 2023-06-09 | 2024-06-08 |
| 2    | Power Sensor             | R&S            | NRV-Z81     | 100458          | 2023-06-09 | 2024-06-08 |
| 3    | Power Sensor             | R&S            | NRV-Z32     | 10057           | 2023-06-09 | 2024-06-08 |
| 4    | Test Software            | Tonscend       | JS1120-2    | /               | N/A        | N/A        |
| 5    | RF Control Unit          | Tonscend       | JS0806-2    | N/A             | 2022-10-29 | 2023-10-28 |
| 6    | MXA Signal Analyzer      | Agilent        | N9020A      | MY50510140      | 2022-10-29 | 2023-10-28 |
| 7    | DC Power Supply          | Agilent        | E3642A      | N/A             | 2022-10-29 | 2023-10-28 |
| 8    | EMI Test Software        | AUDIX          | E3          | /               | N/A        | N/A        |
| 9    | 3m Semi Anechoic Chamber | SIDT FRANKONIA | SAC-3M      | 03CH03-HY       | 2023-06-09 | 2024-06-08 |
| 10   | Positioning Controller   | Max-Full       | MF7802BS    | MF780208586     | N/A        | N/A        |
| 11   | Active Loop Antenna      | SCHWARZBECK    | FMZB 1519B  | 00005           | 2021-08-29 | 2024-08-28 |
| 12   | By-log Antenna           | SCHWARZBECK    | VULB9163    | 9163-470        | 2021-09-12 | 2024-09-11 |
| 13   | Horn Antenna             | SCHWARZBECK    | BBHA 9120D  | 9120D-1925      | 2021-09-05 | 2024-09-04 |
| 14   | Broadband Horn Antenna   | SCHWARZBECK    | BBHA 9170   | 791             | 2021-08-29 | 2024-08-28 |
| 15   | Broadband Preamplifier   | SCHWARZBECK    | BBV9719     | 9719-025        | 2023-06-09 | 2024-06-08 |
| 16   | EMI Test Receiver        | R&S            | ESR 7       | 101181          | 2023-06-09 | 2024-06-08 |
| 17   | RS SPECTRUM ANALYZER     | R&S            | FSP40       | 100503          | 2022-10-29 | 2023-10-28 |
| 18   | Broadband Preamplifier   | /              | BP-01M18G   | P190501         | 2023-06-09 | 2024-06-08 |
| 19   | 6dB Attenuator           | /              | 100W/6dB    | 1172040         | 2023-06-09 | 2024-06-08 |
| 20   | 3dB Attenuator           | /              | 2N-3dB      | /               | 2022-10-29 | 2023-10-28 |
| 21   | EMI Test Receiver        | R&S            | ESPI        | 101940          | 2023-08-15 | 2024-08-14 |
| 22   | Artificial Mains         | R&S            | ENV216      | 101288          | 2023-06-09 | 2024-06-08 |
| 23   | 10dB Attenuator          | SCHWARZBECK    | MTS-IMP-136 | 261115-001-0032 | 2023-06-09 | 2024-06-08 |
| 24   | EMI Test Software        | Farad          | EZ          | /               | N/A        | N/A        |



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## 7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

## 8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

## 9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

-----THE END OF REPORT-----



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