

Application for FCC Certificate  
On Behalf of

Shenzhen Guangyang Technology Co., Ltd.

open orientation audio glasses

Model Number: F001

Additional Model: F002, F003

FCC ID: 2ATV6F001

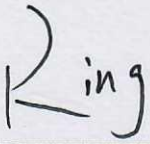
|               |                                                                     |
|---------------|---------------------------------------------------------------------|
| Prepared for: | Shenzhen Guangyang Technology Co., Ltd.                             |
|               | 4105, Building B, Greenview Plaza (NEO), Shennan Avenue, Shenzhen   |
|               |                                                                     |
| Prepared By:  | EST Technology Co., Ltd.                                            |
|               | Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China |
|               | Tel: 86-769-83081888-808                                            |

|                 |                  |
|-----------------|------------------|
| Report Number:  | ESTE-F1907037    |
| Date of Test:   | Jul. 08~24, 2019 |
| Date of Report: | Jul. 26, 2019    |

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## EST Technology Co., Ltd.

|                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                       |                  |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|------------------|
| <b>Applicant:</b>                                                                                                | Shenzhen Guangyang Technology Co., Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                       |                  |
| <b>Address:</b>                                                                                                  | 4105, Building B, Greenview Plaza (NEO), Shennan Avenue, Shenzhen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                       |                  |
| <b>Manufacturer</b>                                                                                              | Shenzhen Guangyang Technology Co., Ltd.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                       |                  |
| <b>Address:</b>                                                                                                  | 4105, Building B, Greenview Plaza (NEO), Shennan Avenue, Shenzhen                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                       |                  |
| <b>E.U.T:</b>                                                                                                    | open orientation audio glasses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                       |                  |
| <b>Model Number:</b>                                                                                             | F001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                       |                  |
| <b>Additional Model:</b>                                                                                         | F002, F003<br>(They are identical except model name only.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                       |                  |
| <b>Trade Name:</b>                                                                                               | FIVEBOY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>Serial No.:</b>                                                                                                    | -----            |
| <b>Date of Receipt:</b>                                                                                          | Jul. 08, 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Date of Test:</b>                                                                                                  | Jul. 08~24, 2019 |
| <b>Test Specification:</b>                                                                                       | FCC Rules and Regulations Part 15 Subpart B:2018<br>ANSI C63.4:2014                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                       |                  |
| <b>Test Result:</b>                                                                                              | <p>The device described above is tested by EST Technology Co., Ltd..<br/>The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart B requirements.<br/>This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.</p> <p style="text-align: right;"><b>Issue Date: Jul. 26, 2019</b></p> |                                                                                                                       |                  |
| <b>Prepared by:</b>                                                                                              | <b>Reviewed by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Approved by:</b>                                                                                                   |                  |
| <br>_____<br>Ring / Assistant | <br>_____<br>Tony / Engineer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <br>_____<br>Iceman Hu / Manager |                  |
| <b>Other Aspects:</b>                                                                                            | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                       |                  |
| <i>Abbreviations: OK/P=passed    fail/F=failed    n.a/N=not applicable    E.U.T=equipment under tested</i>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                       |                  |

# 1. GENERAL PRODUCT INFORMATION

## 1.1. Product Function

Refer to Technical Construction Form and User Manual.

## 1.2. Description of Device (EUT)

Description : open orientation audio glasses  
 Model No. : F001  
 System Input Voltage : DC 5V From Adapter Input AC 100-240V, 50/60Hz

## 1.3. Difference between Model Numbers

Note: The products are different model number,  
 But the PCB board inside are identical.

## 1.4. Independent Operation Modes

### 1.4.1. Conducted Modes

|                                                       |          |            |
|-------------------------------------------------------|----------|------------|
| 1                                                     | Charging | Worst case |
| Note: The worst case will be recorded in this report. |          |            |

### 1.4.2. Radiated Modes

|                                                       |           |            |
|-------------------------------------------------------|-----------|------------|
| 30MHz~1GHz                                            |           |            |
| 1                                                     | Charging  | Worst case |
| Above 1GHz                                            |           |            |
| 1                                                     | Bluetooth | Worst case |
| Note: The worst case will be recorded in this report. |           |            |

## 2. TEST SITES

### 2.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below

| EMISSION                                    |                                                                           |                                                                                                                                            |         |
|---------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Description of Test Item                    | Standard                                                                  | Limits                                                                                                                                     | Results |
| Conducted disturbance<br>at mains terminals | FCC Rules and<br>Regulations Part 15<br>Subpart B:2017<br>ANSI C63.4:2014 | 15.107(a) Class B                                                                                                                          | PASS    |
|                                             |                                                                           | Minimum passing margin is<br>15.98dB at 0.60MHz                                                                                            |         |
| Radiated Emission Test                      | FCC Rules and<br>Regulations Part 15<br>Subpart B:2017<br>ANSI C63.4:2014 | 15.109(a) Class B                                                                                                                          | PASS    |
|                                             |                                                                           | Minimum passing margin is<br>13.76dB at 100.81MHz for<br>30-1000MHz;<br>Minimum passing margin is<br>11.16dB at 6894MHz for<br>above 1GHZ; |         |

## 2.2. Test Facilities

EMC Lab : Certificated by CNAS, CHINA  
Registration No.: L5288  
Date of registration: November 13, 2017

Certificated by FCC, USA  
Designation Number: CN1215  
Test Firm Registration Number: 722932  
Date of registration: November 21, 2017

Certificated by A2LA, USA  
Registration No.: 4366.01  
Date of registration: November 07, 2017

Certificated by Industry Canada  
CAB identifier No.: CN0035  
Date of registration: January 04, 2019

Certificated by VCCI, Japan  
Registration No.: R-13663; C-14103  
Date of registration: July 25, 2017  
This Certificate is valid until: July 24, 2020

Certificated by TUV Rheinland, Germany  
Registration No.: UA 50413872 0001  
Date of registration: July 31, 2018

Certificated by TUV/PS, Shenzhen  
Registration No.: SCN1017  
Date of registration: January 27, 2011

Certificated by Intertek ETL SEMKO  
Registration No.: 2011-RTL-L2-64  
Date of registration: April 28, 2011

Certificated by Nemko, Hong Kong  
Registration No.: 175193  
Date of registration: May 4, 2011

Name of Firm : EST Technology Co., Ltd.

Site Location : Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China

## 2.3. List of Test and Measurement Instruments

### 2.3.1. For conducted emission at the mains terminals test (844 Room)

| Equipment                | Manufacturer    | Model No.    | Serial No. | Last Cal.  | Next Cal. |
|--------------------------|-----------------|--------------|------------|------------|-----------|
| EMI Test Receiver        | Rohde & Schwarz | ESHS30       | 832354     | June 14,19 | 1 Year    |
| Artificial Mains Network | Rohde & Schwarz | ENV216       | 101260     | June 14,19 | 1 Year    |
| Pulse Limiter            | Rohde & Schwarz | ESH3-Z2      | 101100     | June 14,19 | 1 Year    |
| Test Software            | Audix           | e3-6.111221a | N/A        | N/A        | N/A       |

### 2.3.2. For radiated emission test

| Equipment         | Manufacturer    | Model No.    | Serial No. | Last Cal.  | Next Cal. |
|-------------------|-----------------|--------------|------------|------------|-----------|
| EMI Test Receiver | Rohde & Schwarz | ESR7         | 101780     | June 14,19 | 1 Year    |
| Bilog Antenna     | Teseq           | CBL 6111D    | 37062      | June 14,19 | 1 Year    |
| Horn Antenna      | SCHWARZBECK     | BBHA9120D    | 8128-290   | June 14,19 | 3 Year    |
| Signal Amplifier  | SCHWARZBECK     | BBV9718      | 9718-212   | June 14,19 | 1 Year    |
| Test Software     | Audix           | e3-6.111221a | N/A        | N/A        | N/A       |

Note: All calibration reports of the equipment were provided by CEPREI calibration and Test Center

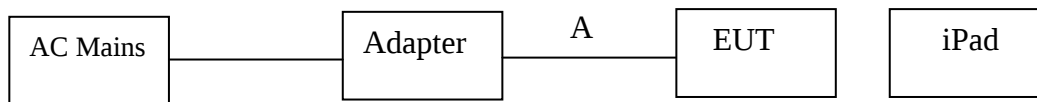
### 3. TEST SET-UP AND OPERATION MODES

#### 3.1. Principle of Configuration Selection

**Emission:** The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the Operating Instructions.

#### 3.2. Block Diagram of Test Set-up

System Diagram of Connections between EUT and Simulators



(EUT: open orientation audio glasses)

|   |         |                             |
|---|---------|-----------------------------|
| A | DC Line | Unshielded, Detachable 0.6m |
|---|---------|-----------------------------|

#### 3.3. Test Operation Mode and Test Software

Refer to Test Setup in clause 4.

#### 3.4. Special Accessories and Auxiliary Equipment

##### 3.4.1. iPad

M / N : A1893  
 S / N : DMPY3KL5JF8K  
 Manufacturer : Apple

##### 3.4.2. Adapter

M / N : BSY01J3050200U U  
 Input : AC 100-240V, 50/60Hz, 0.3A  
 Output : DC 5V, 2.0A  
 Manufacturer : BSY

#### 3.5. Countermeasures to Achieve EMC Compliance

None.

## 4. EMISSION TEST RESULTS

### 4.1. Conducted Emission at the Mains Terminals Test

**RESULT** : **Pass**  
**Test Procedure** : ANSI C63.4:2014  
**Frequency Range** : 0.15 to 30MHz  
**Test Site** : Shielded Room  
**Limits** : FCC Part 15:2017 Class B

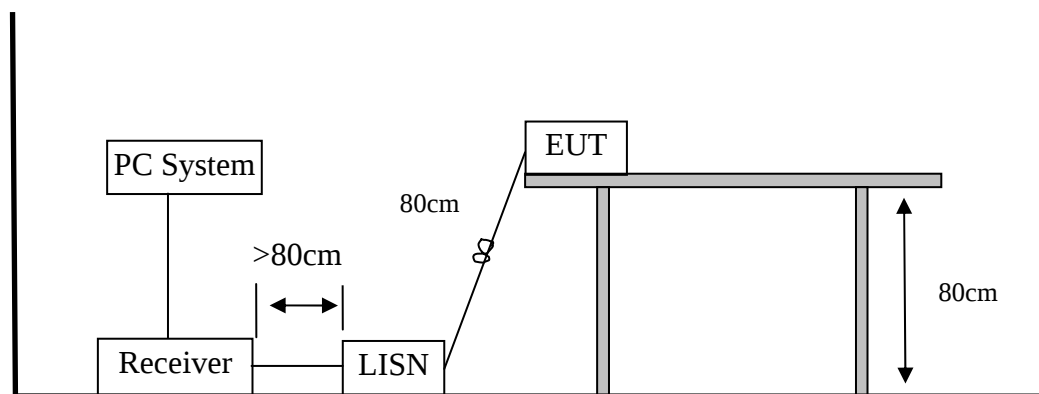
#### Test Setup

**Date of Test** : Jul. 18, 2019  
**M/N** : F001  
**Input Voltage** : DC 5V From Adapter Input AC 120V/60Hz  
**Operation Mode** : Charging

The frequency range from 150 kHz to 30 MHz was investigated.

The bandwidth of the test receiver was set at 9 kHz.

The test data of the worst case condition(s) was reported on the following page.

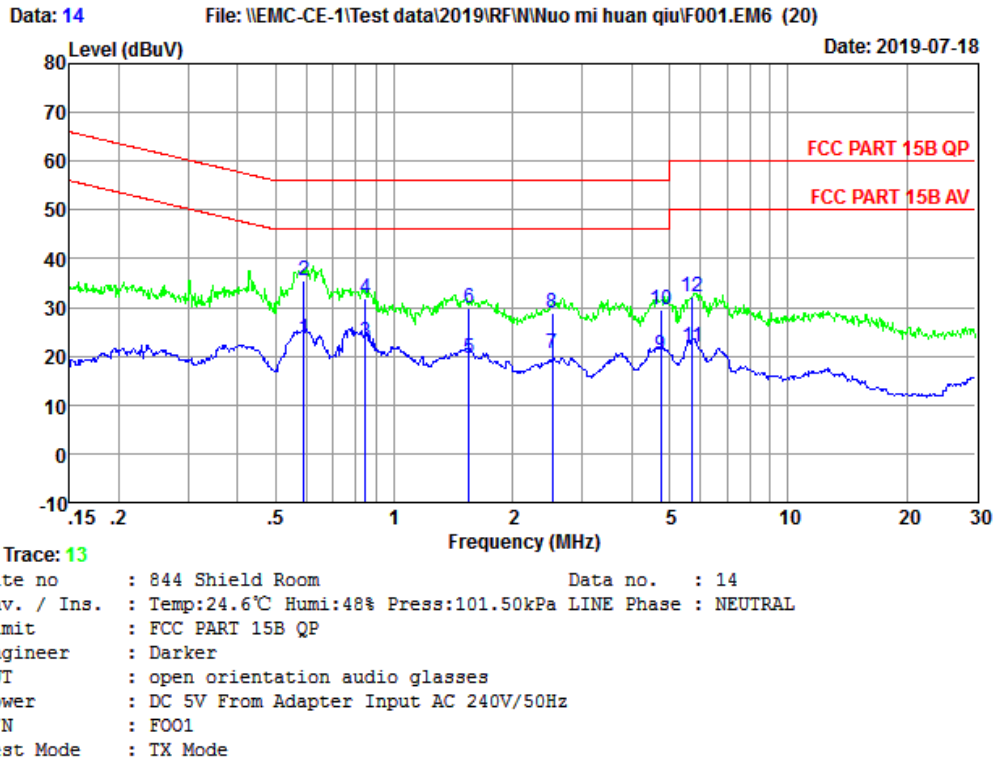


**Note: Measurement Uncertainty:  $\pm 3.48$  dB at a level of confidence of 95%.**

## Test Data

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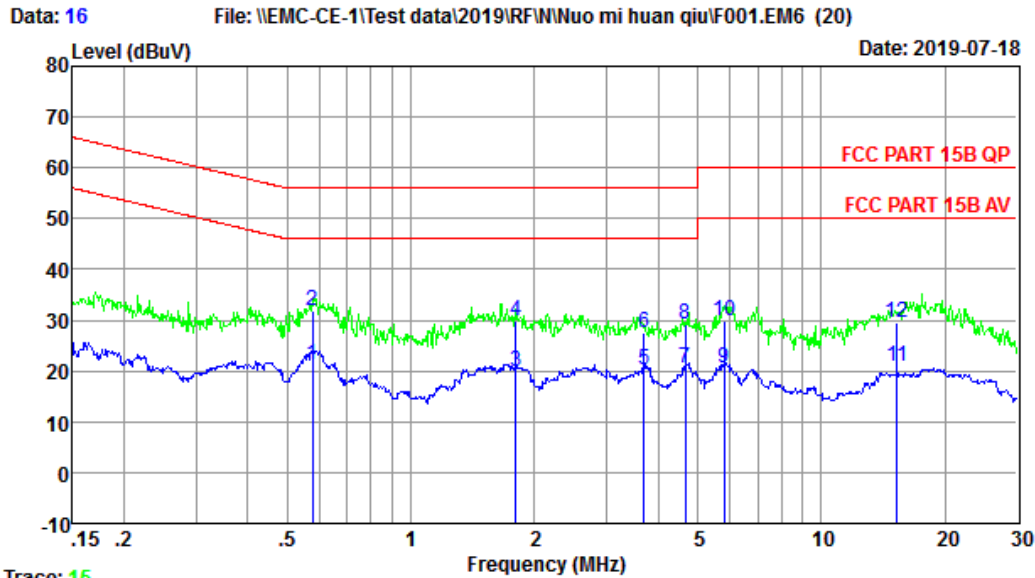


|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV) | Limits<br>(dBuV) | Margin<br>(dB) | Remark  |
|----|----------------|------------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|---------|
| 1  | 0.59           | 9.77                   | 9.92                  | 3.99              | 23.68                       | 46.00            | 22.32          | Average |
| 2  | 0.59           | 9.77                   | 9.92                  | 15.92             | 35.61                       | 56.00            | 20.39          | QP      |
| 3  | 0.84           | 9.71                   | 9.93                  | 3.18              | 22.82                       | 46.00            | 23.18          | Average |
| 4  | 0.84           | 9.71                   | 9.93                  | 12.14             | 31.78                       | 56.00            | 24.22          | QP      |
| 5  | 1.55           | 9.68                   | 9.95                  | 0.02              | 19.65                       | 46.00            | 26.35          | Average |
| 6  | 1.55           | 9.68                   | 9.95                  | 10.14             | 29.77                       | 56.00            | 26.23          | QP      |
| 7  | 2.53           | 9.78                   | 9.96                  | 0.95              | 20.69                       | 46.00            | 25.31          | Average |
| 8  | 2.53           | 9.78                   | 9.96                  | 9.26              | 29.00                       | 56.00            | 27.00          | QP      |
| 9  | 4.75           | 9.86                   | 10.00                 | 0.28              | 20.14                       | 46.00            | 25.86          | Average |
| 10 | 4.75           | 9.86                   | 10.00                 | 9.51              | 29.37                       | 56.00            | 26.63          | QP      |
| 11 | 5.71           | 9.86                   | 10.01                 | 1.85              | 21.72                       | 50.00            | 28.28          | Average |
| 12 | 5.71           | 9.86                   | 10.01                 | 12.14             | 32.01                       | 60.00            | 27.99          | QP      |

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.  
 2. Margin=Limit - Emission Level.  
 3. If the average limit is met when using a quasi-peak detector,  
 the EUT shall be deemed to meet both limits and measurement  
 with average detector is unnecessary.

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Site no : 844 Shield Room Data no. : 16  
Env. / Ins. : Temp:24.6°C Humi:48% Press:101.50kPa LINE Phase : LINE  
Limit : FCC PART 15B QP  
Engineer : Darker  
EUT : open orientation audio glasses  
Power : DC 5V From Adapter Input AC 240V/50Hz  
M/N : F001  
Test Mode : TX Mode

|    | Freq.<br>(MHz) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV) | Limits<br>(dBuV) | Margin<br>(dB) | Remark  |
|----|----------------|------------------------|-----------------------|-------------------|-----------------------------|------------------|----------------|---------|
| 1  | 0.58           | 9.89                   | 9.92                  | 1.28              | 21.09                       | 46.00            | 24.91          | Average |
| 2  | 0.58           | 9.89                   | 9.92                  | 12.15             | 31.96                       | 56.00            | 24.04          | QP      |
| 3  | 1.80           | 9.80                   | 9.95                  | 0.01              | 19.76                       | 46.00            | 26.24          | Average |
| 4  | 1.80           | 9.80                   | 9.95                  | 10.01             | 29.76                       | 56.00            | 26.24          | QP      |
| 5  | 3.70           | 9.86                   | 9.99                  | 0.32              | 20.17                       | 46.00            | 25.83          | Average |
| 6  | 3.70           | 9.86                   | 9.99                  | 7.52              | 27.37                       | 56.00            | 28.63          | QP      |
| 7  | 4.67           | 9.86                   | 10.00                 | 0.84              | 20.70                       | 46.00            | 25.30          | Average |
| 8  | 4.67           | 9.86                   | 10.00                 | 9.47              | 29.33                       | 56.00            | 26.67          | QP      |
| 9  | 5.80           | 9.86                   | 10.02                 | 0.58              | 20.46                       | 50.00            | 29.54          | Average |
| 10 | 5.80           | 9.86                   | 10.02                 | 10.08             | 29.96                       | 60.00            | 30.04          | QP      |
| 11 | 15.31          | 9.87                   | 10.12                 | 0.97              | 20.96                       | 50.00            | 29.04          | Average |
| 12 | 15.31          | 9.87                   | 10.12                 | 9.61              | 29.60                       | 60.00            | 30.40          | QP      |

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.  
2. Margin=Limit - Emission Level.  
3. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

## 4.2. Radiated Emission Test

**RESULT** : **Pass**  
Test Procedure : ANSI C63.4:2014  
Frequency Range : 30-1000 MHz;1-6 GHz  
Test Site : 966 Chamber  
Limits : FCC Part 15:2017 Class B

### Test Setup

Date of Test : Jul. 13, 2019  
M/N : F001  
Input Voltage : DC 3.7V From Battery  
Operation Mode : Bluetooth

The EUT was placed on a turn table which was 0.8 m above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was set 3 m away from the receiving antenna which was mounted on an antenna tower. The measuring antenna moved up and down to find out the maximum emission level. It moved from 1 m to 4 m for both horizontal and vertical polarizations.

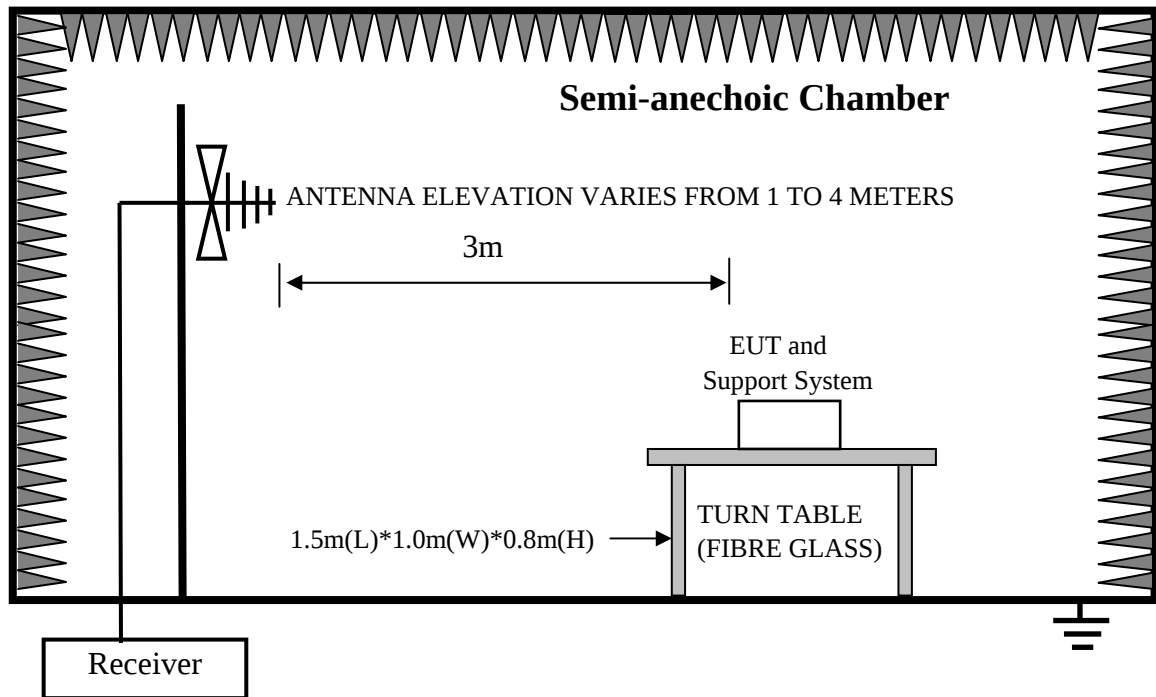
The EUT was tested in the Chamber Site. It was pre-scanned with a Peak detector from the spectrum, and all the final readings from the test receiver were measured with the Quasi-Peak detector.

The bandwidth setting on the test receiver was 120 kHz.

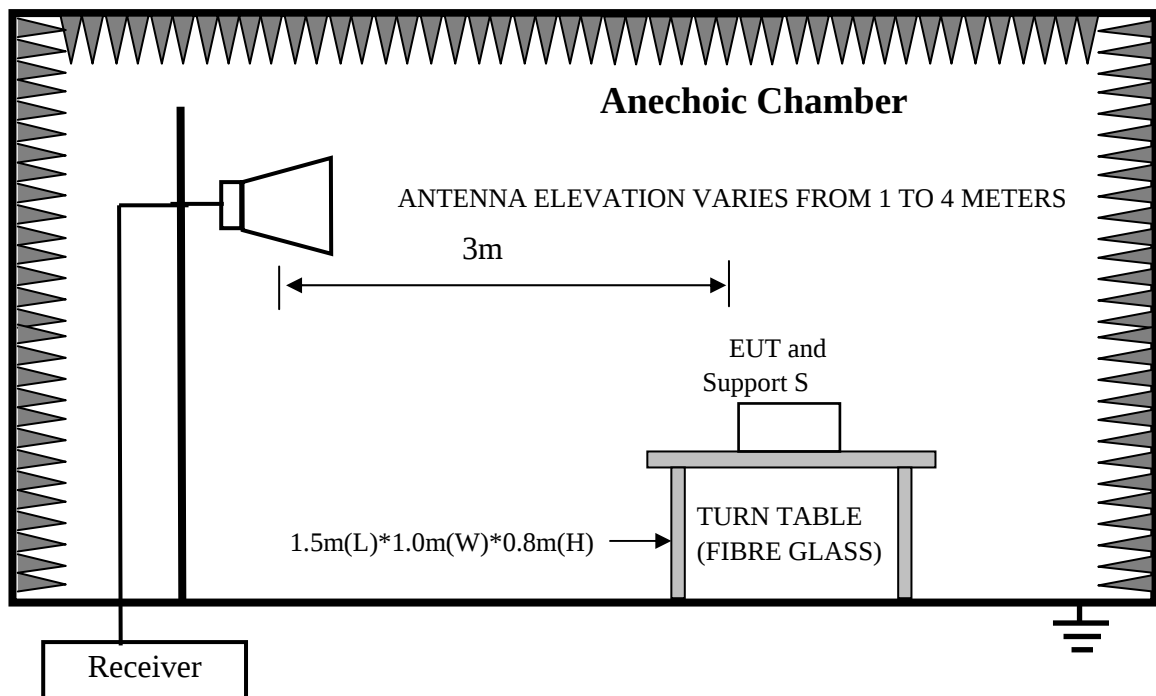
The bandwidth of the Spectrum's VBW is set at 3MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

The test data of the worst case condition(s) was reported on the following page.

## 1、 In Semi-anechoic Chamber Test Setup Diagram for 30MHz~1000MHz



## 2、 In Anechoic Chamber Test Setup Diagram for 1-6GHz



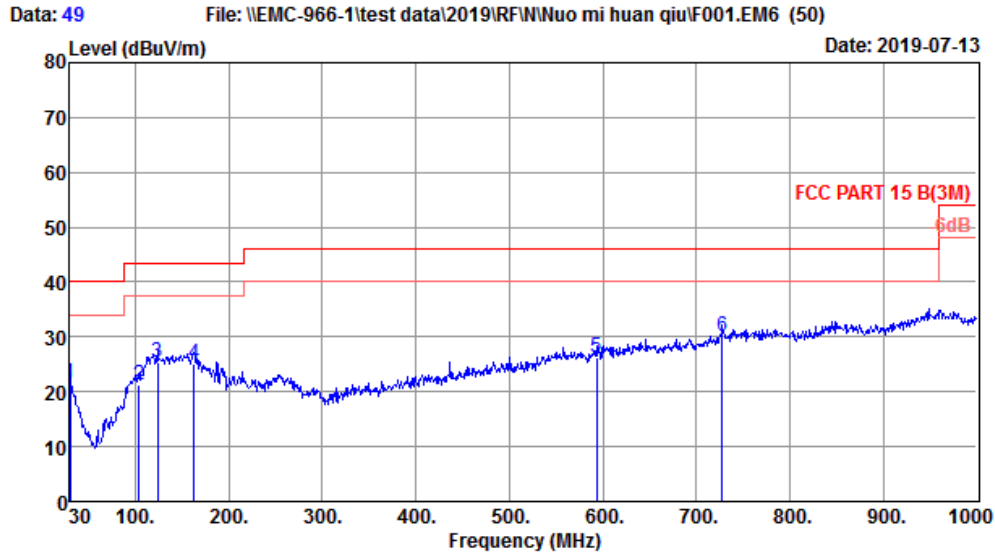
**Note:** Test uncertainty:  $\pm 4.6$  dB (H);  $\pm 4.68$  dB (V) at a level of confidence of 95%(30MHz ~ 1GHz); Test uncertainty:  $\pm 4.96$ dB at a level of confidence of 95%(Above 1GHz).

## Test Data

### 30MHz-1GHz

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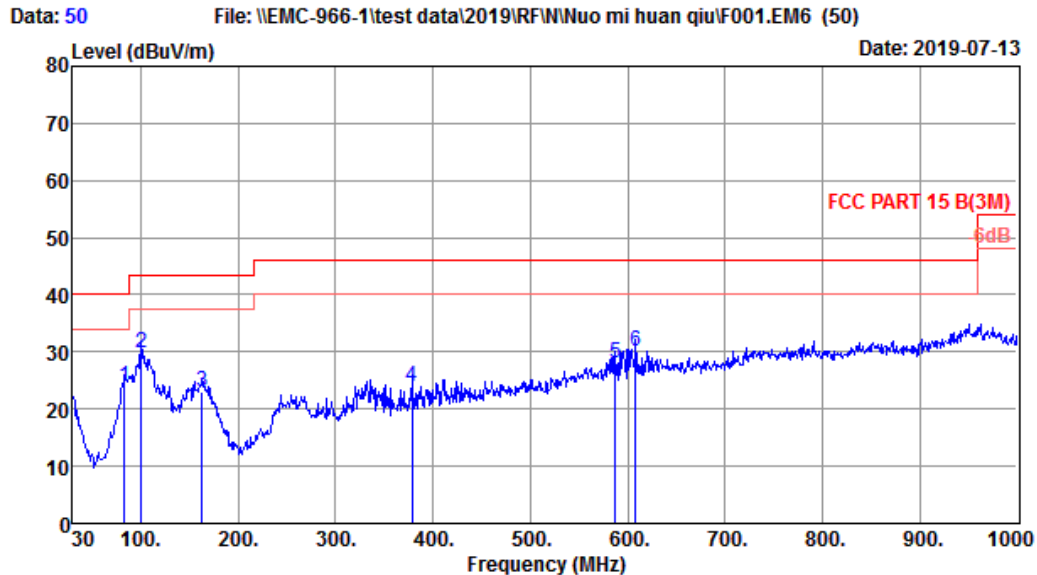
Site no. : 1# 966 chamber Data no. : 49  
 Dis. / Ant. : 3m 37062 Ant. pol. : VERTICAL  
 Limit : FCC PART 15 B(3M)  
 Env. / Ins. : Temp:23.6'; Humi:48.7%; Press:101.52kPa  
 Engineer : Frank  
 EUT : open orientation audio glasses  
 Power : DC 3.7V From Battery  
 M/N : F001  
 Test Mode : Bluetooth Mode

|   | Freq.<br>(MHz) | ANT<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|-------------------------|-----------------------|-------------------|-------------------------------|-------------------|----------------|--------|
| 1 | 30.00          | 18.40                   | 0.14                  | 3.00              | 21.54                         | 40.00             | 18.46          | QP     |
| 2 | 103.72         | 10.10                   | 0.89                  | 10.19             | 21.18                         | 43.50             | 22.32          | QP     |
| 3 | 124.09         | 11.46                   | 0.95                  | 12.94             | 25.35                         | 43.50             | 18.15          | QP     |
| 4 | 162.89         | 10.82                   | 1.16                  | 13.23             | 25.21                         | 43.50             | 18.29          | QP     |
| 5 | 593.57         | 20.34                   | 2.95                  | 3.03              | 26.32                         | 46.00             | 19.68          | QP     |
| 6 | 727.43         | 21.70                   | 3.53                  | 4.81              | 30.04                         | 46.00             | 15.96          | QP     |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

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Site no. : 1# 966 chamber Data no. : 50  
 Dis. / Ant. : 3m 37062 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 B(3M)  
 Env. / Ins. : Temp:23.6';Humi:48.7%;Press:101.52kPa  
 Engineer : Frank  
 EUT : open orientation audio glasses  
 Power : DC 3.7V From Battery  
 M/N : F001  
 Test Mode : Bluetooth Mode

|   | Freq.<br>(MHz) | ANT<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark |
|---|----------------|-------------------------|-----------------------|-------------------|-------------------------------|-------------------|----------------|--------|
| 1 | 83.35          | 8.02                    | 0.72                  | 15.27             | 24.01                         | 40.00             | 15.99          | QP     |
| 2 | 100.81         | 9.80                    | 0.86                  | 19.08             | 29.74                         | 43.50             | 13.76          | QP     |
| 3 | 162.89         | 10.82                   | 1.16                  | 11.02             | 23.00                         | 43.50             | 20.50          | QP     |
| 4 | 378.23         | 15.72                   | 2.17                  | 6.02              | 23.91                         | 46.00             | 22.09          | QP     |
| 5 | 587.75         | 20.24                   | 2.94                  | 4.98              | 28.16                         | 46.00             | 17.84          | QP     |
| 6 | 608.12         | 20.56                   | 3.02                  | 6.64              | 30.22                         | 46.00             | 15.78          | QP     |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

Above 1GHz

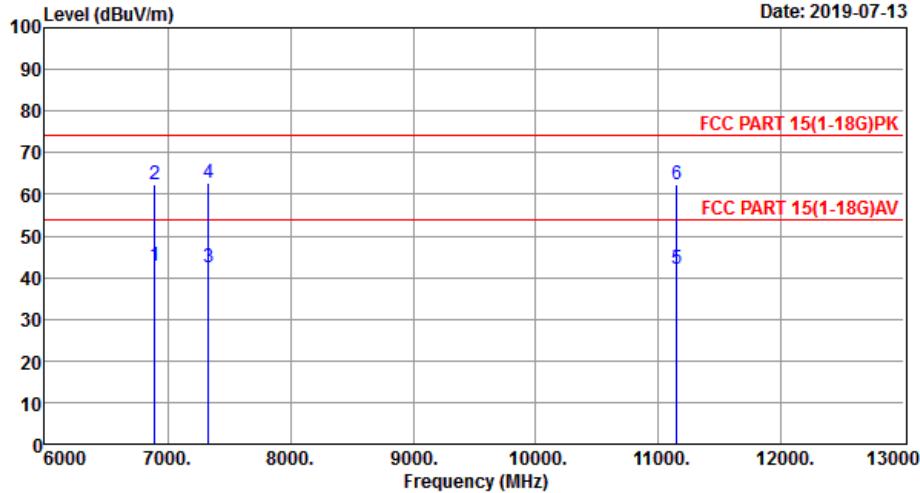
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Data: 11

File: \\EMC-966-1\test data\2019\EMC\WNUO mi huan qiu.EM6 (12)

Date: 2019-07-13



Site no. : 1# 966 Chamber Data no. : 11  
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15(1-18G)PK  
 Env. / Ins. : Temp:23.4';Humi:64%;Press:101.52kPa  
 Engineer : Pluto  
 EUT : open orientation audio glasses  
 Power : DC 3.7V From Battery  
 M/N : F001  
 Test Mode : Bluetooth Mode

|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Amp<br>Factor<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limits<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 6894.00        | 35.55                    | 5.05                  | 34.75                 | 36.99             | 42.84                         | 54.00              | 11.16          | Average |
| 2 | 6894.00        | 35.55                    | 5.05                  | 34.75                 | 56.36             | 62.21                         | 74.00              | 11.79          | Peak    |
| 3 | 7336.00        | 36.49                    | 5.23                  | 34.83                 | 35.41             | 42.30                         | 54.00              | 11.70          | Average |
| 4 | 7336.00        | 36.49                    | 5.23                  | 34.83                 | 55.70             | 62.59                         | 74.00              | 11.41          | Peak    |
| 5 | 11145.00       | 39.90                    | 6.12                  | 34.55                 | 30.67             | 42.14                         | 54.00              | 11.86          | Average |
| 6 | 11145.00       | 39.90                    | 6.12                  | 34.55                 | 51.00             | 62.47                         | 74.00              | 11.53          | Peak    |

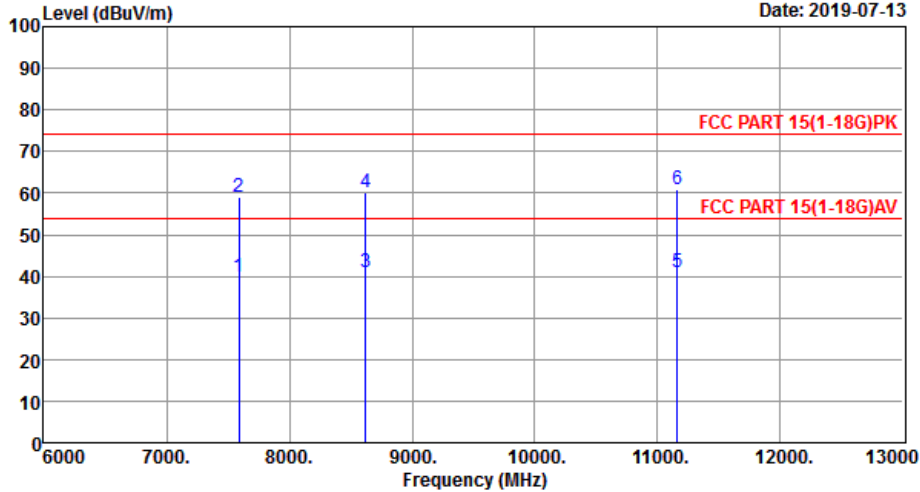
Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## EST Technology

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Data: 12 File: \\EMC-966-1\test data\2019\EMC\Nuo mi huan qiu.EM6 (12)

Date: 2019-07-13



Site no. : 1# 966 Chamber Data no. : 12  
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15(1-18G)PK  
 Env. / Ins. : Temp:23.4';Humi:64%;Press:101.52kPa  
 Engineer : Pluto  
 EUT : open orientation audio glasses  
 Power : DC 3.7V From Battery  
 M/N : F001  
 Test Mode : Bluetooth Mode

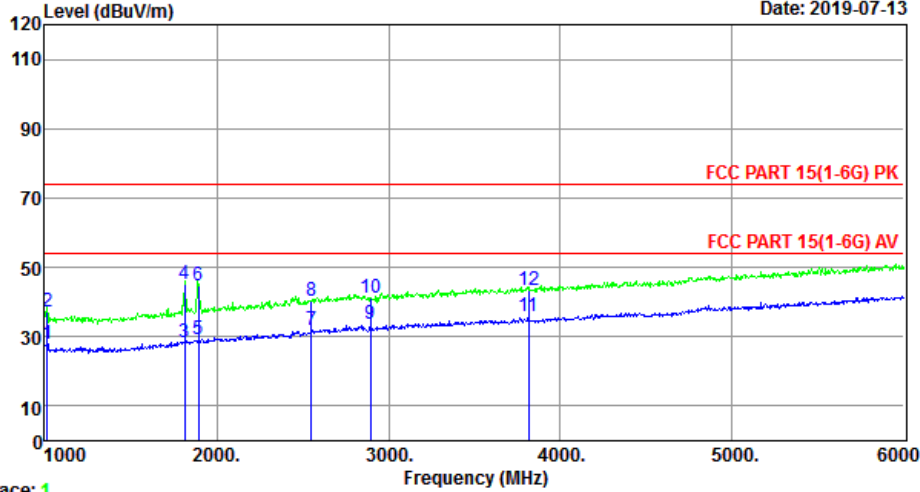
|   | Freq.<br>(MHz) | Ant.<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Amp<br>Factor<br>(dB) | Reading<br>(dBUV) | Emission<br>Level<br>(dBUV/m) | Limits<br>(dBUV/m) | Margin<br>(dB) | Remark  |
|---|----------------|--------------------------|-----------------------|-----------------------|-------------------|-------------------------------|--------------------|----------------|---------|
| 1 | 7592.00        | 36.82                    | 5.38                  | 34.86                 | 32.64             | 39.98                         | 54.00              | 14.02          | Average |
| 2 | 7592.00        | 36.82                    | 5.38                  | 34.86                 | 51.80             | 59.14                         | 74.00              | 14.86          | Peak    |
| 3 | 8624.00        | 36.90                    | 5.21                  | 34.59                 | 33.39             | 40.91                         | 54.00              | 13.09          | Average |
| 4 | 8624.00        | 36.90                    | 5.21                  | 34.59                 | 52.52             | 60.04                         | 74.00              | 13.96          | Peak    |
| 5 | 11158.00       | 39.90                    | 6.12                  | 34.55                 | 29.62             | 41.09                         | 54.00              | 12.91          | Average |
| 6 | 11158.00       | 39.90                    | 6.12                  | 34.55                 | 49.55             | 61.02                         | 74.00              | 12.98          | Peak    |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss - Amp Factor + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 8 File: \\EMC-966-1\test data\2019\EMC\Wu mi huan qiu.EM6 (12) Date: 2019-07-13



Trace: 1  
 Site no. : 1# 966 Chamber Data no. : 8  
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15(1-6G) PK  
 Env. / Ins. : Temp:23.4'; Humi:64%; Press:101.52kPa  
 Engineer : Pluto  
 EUT : open orientation audio glasses  
 Power : DC 3.7V From Battery  
 M/N : F001  
 Test Mode : Bluetooth Mode

|    | Freq.<br>(MHz) | ANT<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|----|----------------|-------------------------|-----------------------|-------------------|-------------------------------|-------------------|----------------|---------|
| 1  | 1015.00        | 24.34                   | 1.05                  | 2.62              | 28.01                         | 54.00             | 25.99          | Average |
| 2  | 1015.00        | 24.34                   | 1.05                  | 12.00             | 37.39                         | 74.00             | 36.61          | Peak    |
| 3  | 1815.00        | 25.88                   | 1.24                  | 1.07              | 28.19                         | 54.00             | 25.81          | Average |
| 4  | 1815.00        | 25.88                   | 1.24                  | 17.99             | 45.11                         | 74.00             | 28.89          | Peak    |
| 5  | 1895.00        | 26.25                   | 1.26                  | 1.58              | 29.09                         | 54.00             | 24.91          | Average |
| 6  | 1895.00        | 26.25                   | 1.26                  | 17.00             | 44.51                         | 74.00             | 29.49          | Peak    |
| 7  | 2550.00        | 27.52                   | 1.56                  | 2.80              | 31.88                         | 54.00             | 22.12          | Average |
| 8  | 2550.00        | 27.52                   | 1.56                  | 11.00             | 40.08                         | 74.00             | 33.92          | Peak    |
| 9  | 2895.00        | 28.32                   | 2.03                  | 3.15              | 33.50                         | 54.00             | 20.50          | Average |
| 10 | 2895.00        | 28.32                   | 2.03                  | 11.00             | 41.35                         | 74.00             | 32.65          | Peak    |
| 11 | 3815.00        | 29.49                   | 2.90                  | 3.64              | 36.03                         | 54.00             | 17.97          | Average |
| 12 | 3815.00        | 29.49                   | 2.90                  | 11.00             | 43.39                         | 74.00             | 30.61          | Peak    |

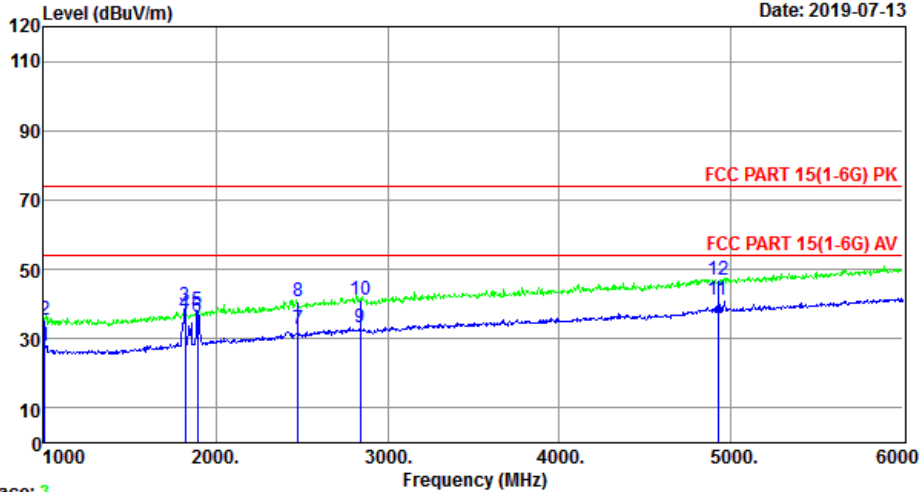
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

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Data: 10 File: \\EMC-966-1\test data\2019\EMC\Nuo mi huan qiu.EM6 (12)

Date: 2019-07-13



Trace: 3

Site no. : 1# 966 Chamber Data no. : 10  
 Dis. / Ant. : 3m 9120D 1-18G Ant. pol. : VERTICAL  
 Limit : FCC PART 15(1-6G) PK  
 Env. / Ins. : Temp:23.4';Humi:64%;Press:101.52kPa  
 Engineer : Pluto  
 EUT : open orientation audio glasses  
 Power : DC 3.7V From Battery  
 M/N : F001  
 Test Mode : Bluetooth Mode

|    | Freq.<br>(MHz) | ANT<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Reading<br>(dBuV) | Emission<br>Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Remark  |
|----|----------------|-------------------------|-----------------------|-------------------|-------------------------------|-------------------|----------------|---------|
| 1  | 1005.00        | 24.30                   | 1.05                  | 2.51              | 27.86                         | 54.00             | 26.14          | Average |
| 2  | 1005.00        | 24.30                   | 1.05                  | 10.00             | 35.35                         | 74.00             | 38.65          | Peak    |
| 3  | 1825.00        | 25.95                   | 1.24                  | 12.39             | 39.58                         | 54.00             | 14.42          | Average |
| 4  | 1825.00        | 25.95                   | 1.24                  | 10.00             | 37.19                         | 74.00             | 36.81          | Peak    |
| 5  | 1895.00        | 26.25                   | 1.26                  | 10.77             | 38.28                         | 54.00             | 15.72          | Average |
| 6  | 1895.00        | 26.25                   | 1.26                  | 9.00              | 36.51                         | 74.00             | 37.49          | Peak    |
| 7  | 2480.00        | 27.38                   | 1.48                  | 4.13              | 32.99                         | 54.00             | 21.01          | Average |
| 8  | 2480.00        | 27.38                   | 1.48                  | 12.00             | 40.86                         | 74.00             | 33.14          | Peak    |
| 9  | 2840.00        | 28.20                   | 1.96                  | 3.10              | 33.26                         | 54.00             | 20.74          | Average |
| 10 | 2840.00        | 28.20                   | 1.96                  | 11.00             | 41.16                         | 74.00             | 32.84          | Peak    |
| 11 | 4920.00        | 31.55                   | 3.35                  | 6.28              | 41.18                         | 54.00             | 12.82          | Average |
| 12 | 4920.00        | 31.55                   | 3.35                  | 12.00             | 46.90                         | 74.00             | 27.10          | Peak    |

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## **PHOTOGRAPHS OF TEST SET, Please see Annex 1**

**External Photos, Please see Annex 2**



**Internal Photos, Please see Annex 3**

