

**Shenzhen Global Test Service Co., Ltd**

No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong

**TEST REPORT****FCC 47 CFR Part 15 Subpart B****Radio Frequency Devices – Unintentional Radiators – Limits and methods of measurement****ANSI C63.4: 2014****American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz**Report Reference No.....: **GTS20211110001-1-3**FCC ID.....: **2A3JU-LUCKYBOT**

Date of issue.....: Nov. 17, 2021

Testing Laboratory Name.....: **Shenzhen Global Test Service Co.,Ltd.**

Address.....: No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong

Reviewed by  
(Testing Engineer).....: Peter XiaoSupervised by  
( position+printed name+signature) : Test Engineer  
Oliver OuApproved by  
(Manager).....: Simon HuApplicant's name.....: **Yancheng Wiiboxx 3D Technology Co., Ltd.**

Address.....: 2F, Building 9, Zone A, Big Data Industrial Park, Yandu District, Yancheng City, China

Manufacturer's name.....: **Yancheng Wiiboxx 3D Technology Co., Ltd.**

Address.....: 2F, Building 9, Zone A, Big Data Industrial Park, Yandu District, Yancheng City, China

**Test specification:**Standard.....: **47 CFR FCC Part 15 Subpart B  
ANSI C63.4: 2014**Receiver Date.....: **Oct.14, 2021**Test Period.....: **Oct.14, 2021- Nov. 17, 2021**Test item description.....: **3D Printer Extruder**

Trade Mark.....: Wiiboxx

Model/Type reference.....: LuckyBot

Listed Models.....: LuckyBot St, LuckyBot SE, LuckyBot PRO,  
LuckyBot ADVANCED, LuckyBot ONE, LuckyBot ONES,  
LuckyBot TWO, LuckyBot TWOS, LuckyBot CERA, LuckyBot BIO

Ratings.....: DC 12V by adapter

Result.....: **PASS****Shenzhen Global Test Service Co., Ltd. All rights reserved.**

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**TEST REPORT**

|                          |                           |                                |
|--------------------------|---------------------------|--------------------------------|
| <b>Test Report No. :</b> | <b>GTS20211110001-1-3</b> | Nov. 17, 2021<br>Date of issue |
|--------------------------|---------------------------|--------------------------------|

Equipment under Test : 3D Printer Extruder

Model /Type : LuckyBot

Listed Models : LuckyBot St, LuckyBot SE, LuckyBot PRO,  
LuckyBot ADVANCED, LuckyBot ONE, LuckyBot ONES,  
LuckyBot TWO, LuckyBot TWOS, LuckyBot CERA, LuckyBot BIO

**Applicant** : **Yancheng Wiiboox 3D Technology Co., Ltd.**

Address : 2F, Building 9, Zone A, Big Data Industrial Park, Yandu District,  
Yancheng City, China

**Manufacturer** : **Yancheng Wiiboox 3D Technology Co., Ltd.**

Address : 2F, Building 9, Zone A, Big Data Industrial Park, Yandu District,  
Yancheng City, China

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

The above equipment has been tested by Shenzhen Global Test Service Co., Ltd., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

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**1. TEST SUMMARY**

| Emission                                      |                    |         |                    |
|-----------------------------------------------|--------------------|---------|--------------------|
| Standard                                      | Item               | Verdict | Remark             |
| FCC 47 CFR PART 15<br>SUBPART B<br>ANSI C63.4 | Conducted Emission | PASS    | Meet Class B limit |
| FCC 47 CFR PART 15<br>SUBPART B<br>ANSI C63.4 | Radiated Emission  | PASS    | Meet Class B limit |

The test results of this report was related only to the tested sample(s) identified in this report. Manufacturer or whom it may concern should recognize the pass or fail of the test result.

## **2. EUT INFORMATION**

### **2.1. I/O Port Description**

| I/O Port Types | Q'TY | Test Description   |
|----------------|------|--------------------|
| 1). DC IN Port | 1    | Connect to Adapter |

### **2.2. EUT operation mode**

|                 |                                        |            |        |
|-----------------|----------------------------------------|------------|--------|
| Pre-Test Mode   | Mode 1: Work Mode<br>Mode 2: Idle Mode |            |        |
| Final Test Mode | Conducted Emission                     |            | Mode 1 |
|                 | Radiates Emission                      | Below 1GHz | Mode 1 |
|                 |                                        | Above 1GHz | N/A    |

Then, the above highest emission mode of the configuration of the EUT and cable was chosen for all final test items.

\*\*\*Note:

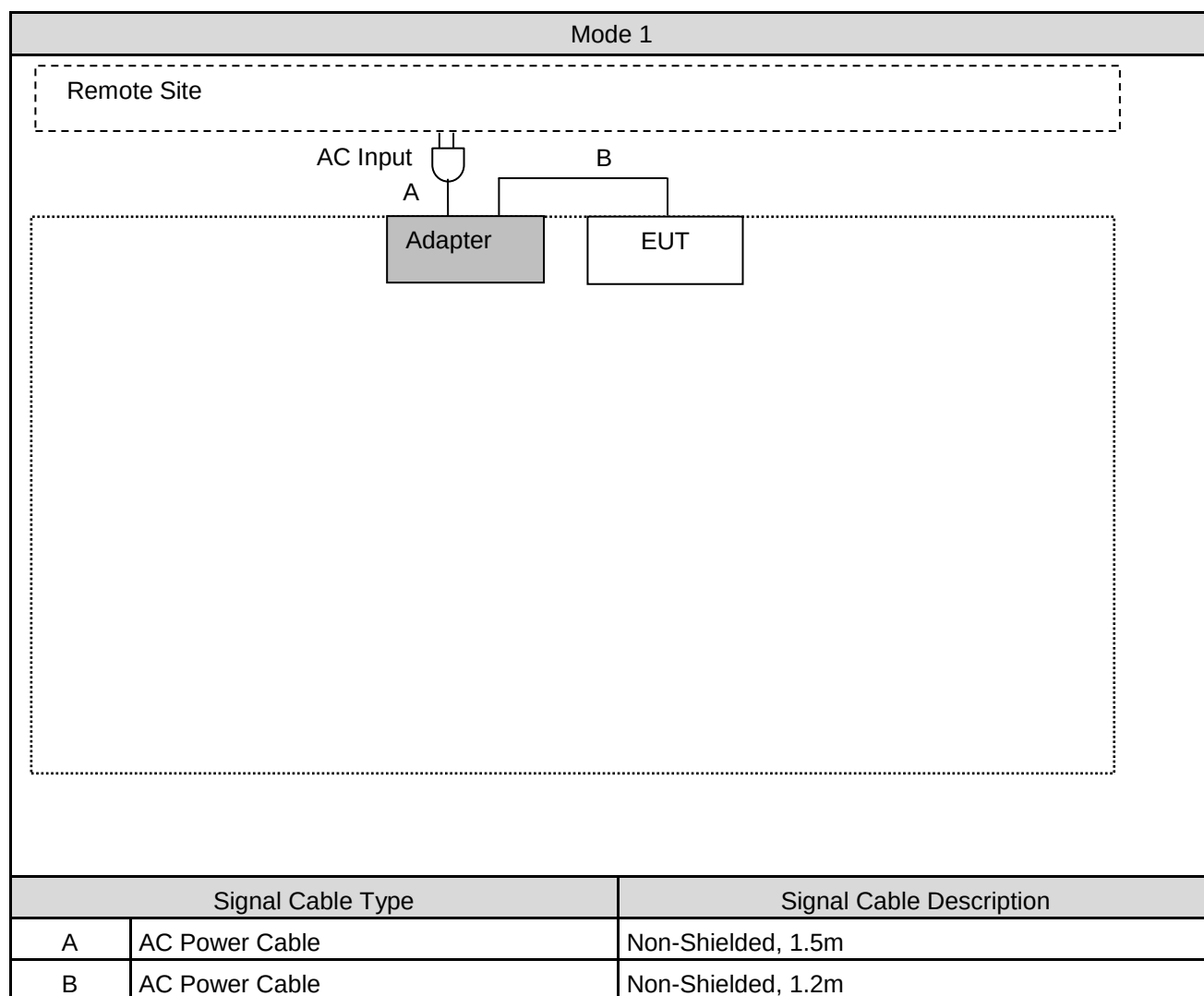
1. We tested the all modes,, but we only recorded the worst case in this report.

### 2.3.Product Description

|                      |                                                                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | 3D Printer Extruder                                                                                                                                   |
| Trade Mark           | Wiiibox                                                                                                                                               |
| Model/Type reference | LuckyBot                                                                                                                                              |
| List Models          | LuckyBot St, LuckyBot SE, LuckyBot PRO, LuckyBot ADVANCED, LuckyBot ONE, LuckyBot ONES, LuckyBot TWO, LuckyBot TWOS, LuckyBot CERA, LuckyBot BIO      |
| Model Declaration    | PCB board, structure and internal of these model(s) are the same, Only the model name and appearance different , So no additional models were tested. |
| Power supply:        | DC 12V by adapter                                                                                                                                     |
| Working Frequency    | <108MHz                                                                                                                                               |

## 2.4.EUT configuration

The following peripheral devices and interface cables were connected during the measurement:



| Devices Description |         |              |              |               |                   |
|---------------------|---------|--------------|--------------|---------------|-------------------|
| Product             |         | Manufacturer | Model Number | Serial Number | Power Cord        |
| (1)                 | Adapter | SZXYUT       | YU1206       | N/A           | Non-Shielded,1.2m |

### 3. TEST ENVIRONMENT

#### 3.1. Address of the test laboratory

**Shenzhen Global Test Service Co., Ltd.**

No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Street, Longgang District, Shenzhen, Guangdong

#### 3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L8169)

Shenzhen Global Test Service Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2019 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA (Certificate No. 4758.01)

Shenzhen Global Test Service Co., Ltd. has been assessed by the American Association for Laboratory Accreditation (A2LA). Certificate No. 4758.01.

Industry Canada Registration Number. is 24189.

FCC Designation Number is CN1234.

FCC Registered Test Site Number is 165725.

#### 3.3. Test Software

| Measurement Software |                                |          |          |
|----------------------|--------------------------------|----------|----------|
| No.                  | Description                    | Software | Version  |
| 1                    | Conducted Emission             | JS32-CE  | V2.5.0.9 |
| 2                    | Radiated Emission _ Below 1GHz | JS32-RE  | V2.5.0.9 |
| 3                    | Radiated Emission _ Above 1GHz | JS32-RE  | V2.5.0.9 |

#### 3.4. Statement of the measurement uncertainty

| Test Item                           | Test Site                    | Frequency Range      |            | Uncertainty (dB) |
|-------------------------------------|------------------------------|----------------------|------------|------------------|
| Conducted Emission<br>AC Power Port | Conductive Shielding<br>Room | 9 kHz ~ 150 kHz      |            | 2.7              |
|                                     |                              | 150 kHz ~ 30 MHz     |            | 2.7              |
| Radiated Emission                   | 966                          | 30 MHz ~<br>1000 MHz | Horizontal | 5.6              |
|                                     |                              |                      | Vertical   | 6.0              |
|                                     |                              | 1000 MHz ~ 40000 MHz |            | 5.2              |

Note: The Vertical and Horizontal measurement uncertainty of 1GHz to 6GHz is evaluated and choose which polarity is worst value.

### 3.5. Test Site Environmental

| Test Item          | Required (IEC 60068-1)     |          | Actual |
|--------------------|----------------------------|----------|--------|
| Conducted Emission | Temperature (°C)           | 15-35    | 24     |
|                    | Humidity (%RH)             | 25-75    | 56     |
|                    | Barometric pressure (mbar) | 860-1060 | 950    |
| Radiated Emission  | Temperature (°C)           | 15-35    | 23     |
|                    | Humidity (%RH)             | 25-75    | 57     |
|                    | Barometric pressure (mbar) | 860-1060 | 950    |

### 3.6. Test Instruments

Test Period: Nov.15, 2021

| Conducted Emission test site |              |                           |               |            |             |
|------------------------------|--------------|---------------------------|---------------|------------|-------------|
| Equipment                    | Manufacturer | Model Number              | Serial Number | Cal. Date  | Cal. Period |
| Test Receiver                | R&S          | ESPI                      | 101841        | 2021/07/17 | 1 year      |
| Transient Limiter            | CYBERTEK     | EM5010A                   | E1950100106   | 2021/07/17 | 1 year      |
| LISN                         | R&S          | ESH2-Z5                   | 893606/008    | 2021/07/17 | 1 year      |
| LISN                         | CYBERTEK     | EM5040A                   | E1850400105   | 2021/07/17 | 1 year      |
| ISN                          | SCHWARZBECK  | CAT 3                     | 066           | 2021/09/19 | 1 year      |
| ISN                          | SCHWARZBECK  | CAT 5                     | 121           | 2021/09/19 | 1 year      |
| ISN                          | SCHWARZBECK  | NTFM                      | 102           | 2021/09/19 | 1 year      |
| Test Site                    | XINJU        | Conductive Shielding Room | N/A           | N.C.R.     | -----       |

Test Period: Nov.15, 2021

| 966 Chamber                                |                                |              |               |            |             |
|--------------------------------------------|--------------------------------|--------------|---------------|------------|-------------|
| Equipment                                  | Manufacturer                   | Model Number | Serial Number | Cal. Date  | Cal. Period |
| Amplifier                                  | SCHWARZBECK<br>MESS-ELEKTRONIK | BBV 9743     | 202           | 2021/07/17 | 1 year      |
| Amplifier                                  | EMCI                           | EMC051845SE  | 980355        | 2021/07/17 | 1 year      |
| Amplifier                                  | ETS                            | 3116C-PA     | /             | 2021/07/17 |             |
| Test Receiver                              | R&S                            | ESCI 7       | 101102        | 2021/09/19 | 1 year      |
| Spectrum Analyzer                          | R&S                            | FSV40-N      | 101800        | 2021/09/19 | 1 year      |
| Broadband Antenna                          | SCHWARZBECK<br>MESS-ELEKTRONIK | VULB 9163    | 00976         | 2021/07/17 | 1 year      |
| Double Ridged Horn<br>Antenna<br>(1~18GHz) | SCHWARZBECK<br>MESS-ELEKTRONIK | BBHA 9120D   | 01622         | 2021/11/17 | 1 year      |
| Horn Antenna<br>(18GHz~40GHz)              | ETS                            | 3116C        | 00086467      | 2021/11/17 | 1 year      |
| Test Site                                  | XINJU                          | 966          | N/A           | 2021/09/19 | 3 year      |

#### 4. TEST CONDITIONS AND RESULTS

#### 4.1. Conducted Emission

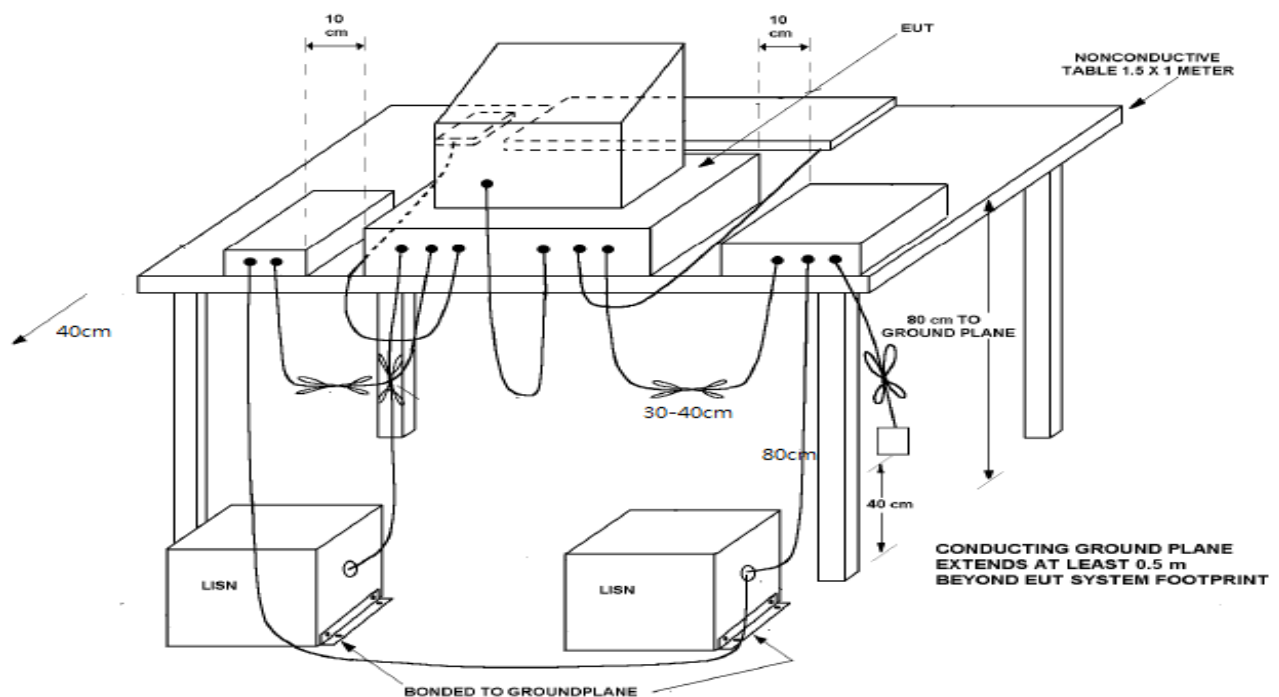
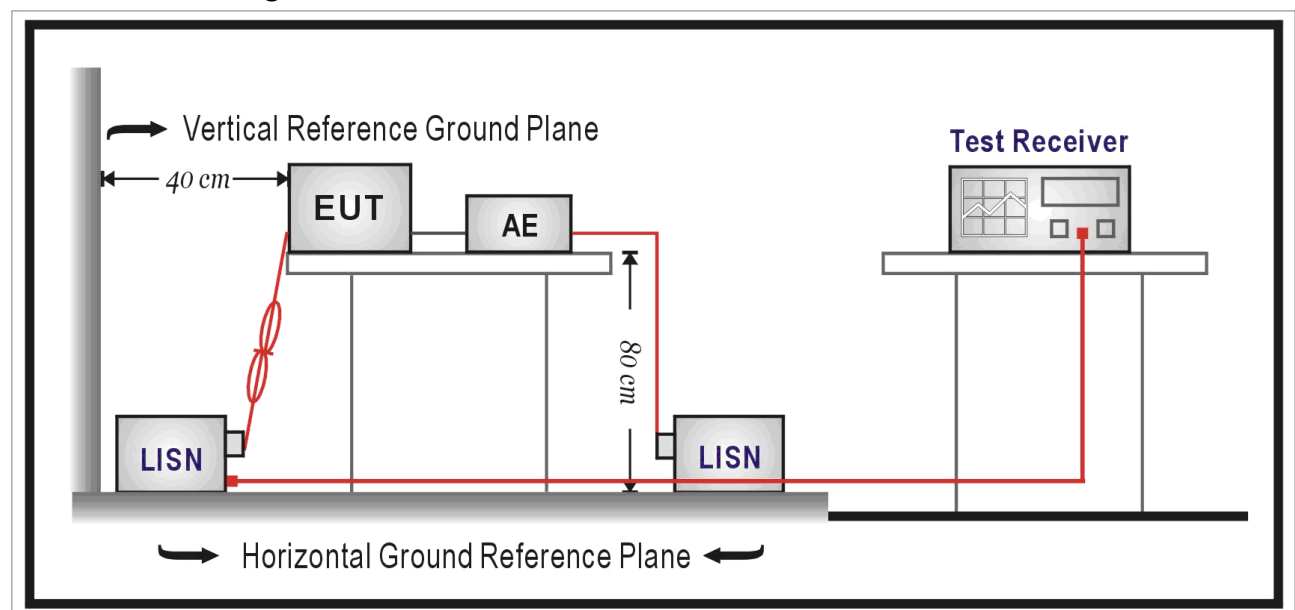
#### 4.1.1. Limits

| Frequency (MHz) | Class A (dBuV) |         | Class B (dBuV) |         |
|-----------------|----------------|---------|----------------|---------|
|                 | Quasi-peak     | Average | Quasi-peak     | Average |
| 0.15 - 0.5      | 79             | 66      | 66 - 56        | 56 - 46 |
| 0.50 - 5.0      | 73             | 60      | 56             | 46      |
| 5.0 - 30.0      | 73             | 60      | 60             | 50      |

Note: (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases in line with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

### 4.1.2 Test Configuration



### 4.1.3 Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50  $\Omega$ / 50  $\mu$ H coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50  $\Omega$ / 50  $\mu$ H coupling impedance with 50 ohm termination.

Tabletop device shall be placed on a non-conducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The wall of screened room shall be located 40 cm to the rear of the EUT. Other surfaces of tabletop or floor standing EUT shall be at least 80 cm from any other ground conducting surface including one or more LISNs. For floor-standing device shall be placed under the EUT with a 12 mm insulating material.

Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a resolution bandwidth of 9 kHz. The equipment under test (EUT) shall be meet the limits in section 4.1.1, as applicable, including the average limit and the quasi-peak limit when using respectively, an average detector and quasi-peak detector measured in accordance with the methods described of related standard. When all of peak value were complied with quasi-peak and average limit from 150 kHz to 30 MHz then quasi-peak and average measurement was unnecessary.

The AMN shall be placed 0,8 m from the boundary of the unit under test and bonded to a ground reference plane for AMNs mounted on top of the ground reference plane. This distance is between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment shall be at least 0,8 m from the AMN. If the mains power cable is longer than 1 m then the cable shall be folded back and forth at the center of the lead to form a bundle no longer than 0.4 m. All of interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long. All of EUT and AE shall be separate place more than 0.1 m. All 50  $\Omega$  ports of the LISN shall be resistively terminated into 50  $\Omega$  loads when not connected to the measuring instrument.

If the reading of the measuring receiver shows fluctuations close to the limit, the reading shall be observed for at least 15 s at each measurement frequency; the higher reading shall be recorded with the exception of any brief isolated high reading which shall be ignored.

## 4.1.4 Test Results

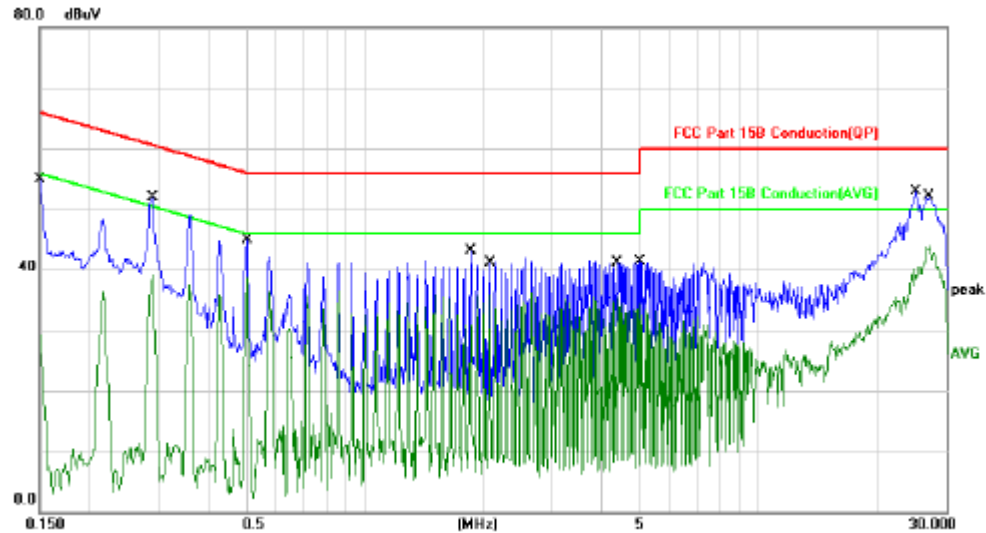
Test Standard: FCC Part 15B

Power Line: L

Test Mode: Mode 1

Test Power: AC 125 V/60 Hz

Model: LuckyBot



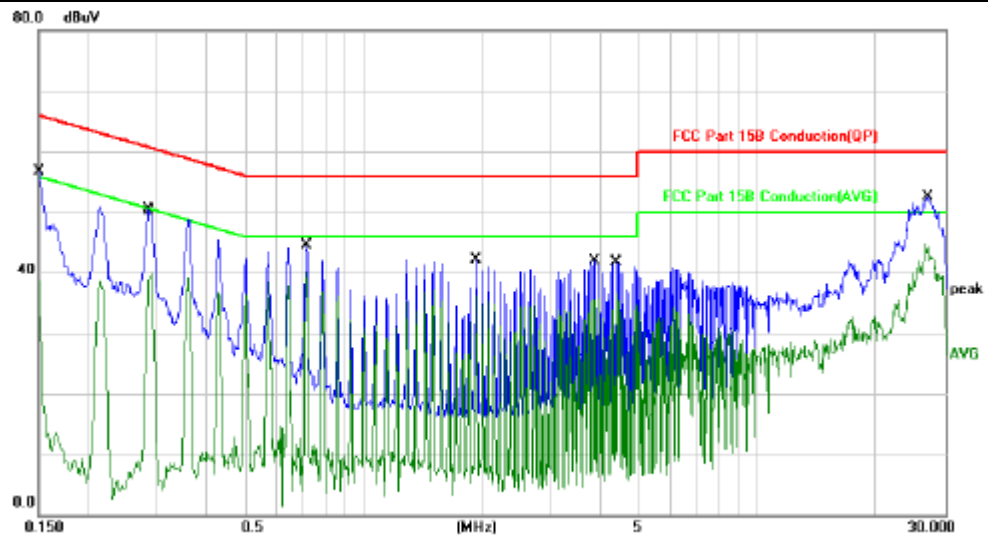
Site Chamber #1

Phase: L1

Temperature: 25

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV | Limit<br>dBuV | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|--------------------------|---------------|------------|----------|---------|
| 1   |     | 0.1499       | 45.11                    | 9.75                    | 54.86                    | 68.00         | -11.14     | QP       |         |
| 2   |     | 0.1499       | 19.46                    | 9.75                    | 29.21                    | 58.00         | -26.79     | AVG      |         |
| 3   |     | 0.2900       | 42.05                    | 9.87                    | 51.92                    | 60.52         | -8.60      | QP       |         |
| 4   |     | 0.2900       | 29.26                    | 9.87                    | 39.13                    | 50.52         | -11.39     | AVG      |         |
| 5   |     | 0.5020       | 35.07                    | 9.85                    | 44.92                    | 58.00         | -11.08     | QP       |         |
| 6   |     | 0.5020       | 28.80                    | 9.85                    | 38.65                    | 48.00         | -7.35      | AVG      |         |
| 7   |     | 1.8660       | 33.39                    | 9.66                    | 43.05                    | 56.00         | -12.95     | QP       |         |
| 8   |     | 2.0860       | 26.27                    | 9.64                    | 35.91                    | 46.00         | -10.09     | AVG      |         |
| 9   |     | 4.3739       | 25.66                    | 9.67                    | 35.33                    | 46.00         | -10.67     | AVG      |         |
| 10  |     | 5.0299       | 31.70                    | 9.66                    | 41.36                    | 60.00         | -18.64     | QP       |         |
| 11  |     | 25.1740      | 43.41                    | 9.46                    | 52.87                    | 60.00         | -7.13      | QP       |         |
| 12  | *   | 27.2540      | 34.40                    | 9.52                    | 43.92                    | 50.00         | -6.08      | AVG      |         |

|                |              |             |                |
|----------------|--------------|-------------|----------------|
| Test Standard: | FCC Part 15B | Power Line: | N              |
| Test Mode:     | Mode 1       | Test Power: | AC 125 V/60 Hz |
| Model:         | LuckyBot     |             |                |



Site Chamber #1

Phase: N

Temperature: 25

| No. | Mk. | Freq.   | Reading | Correct | Measure- | Limit | Over   |          |         |
|-----|-----|---------|---------|---------|----------|-------|--------|----------|---------|
|     |     | MHz     | Level   | Factor  | ment     |       |        | Detector | Comment |
|     |     |         | dBuV    | dB      | dBuV     | dBuV  | dB     |          |         |
| 1   |     | 0.1499  | 46.93   | 9.75    | 56.68    | 66.00 | -9.32  | QP       |         |
| 2   |     | 0.1499  | 29.02   | 9.75    | 38.77    | 56.00 | -17.23 | AVG      |         |
| 3   |     | 0.2860  | 40.59   | 9.87    | 50.46    | 60.64 | -10.18 | QP       |         |
| 4   |     | 0.2900  | 30.00   | 9.87    | 39.87    | 50.52 | -10.65 | AVG      |         |
| 5   |     | 0.7180  | 34.73   | 9.82    | 44.55    | 56.00 | -11.45 | QP       |         |
| 6   |     | 0.7180  | 30.21   | 9.82    | 40.03    | 46.00 | -5.97  | AVG      |         |
| 7   |     | 1.9340  | 32.50   | 9.66    | 42.16    | 56.00 | -13.84 | QP       |         |
| 8   |     | 1.9340  | 26.48   | 9.66    | 36.14    | 46.00 | -9.86  | AVG      |         |
| 9   |     | 3.8700  | 32.20   | 9.68    | 41.88    | 56.00 | -14.12 | QP       |         |
| 10  |     | 4.3739  | 26.93   | 9.67    | 36.60    | 46.00 | -9.40  | AVG      |         |
| 11  | *   | 26.8020 | 35.23   | 9.49    | 44.72    | 50.00 | -5.28  | AVG      |         |
| 12  |     | 27.0140 | 42.99   | 9.50    | 52.49    | 60.00 | -7.51  | QP       |         |

## 4.2. Radiated Emission

### 4.2.1 Limit

■ Below 1 GHz test shall not exceed following value

| FCC 47 CFR PART 15 SUBPART B |              |        |              |        |
|------------------------------|--------------|--------|--------------|--------|
| Frequency range (MHz)        | Class A      |        | Class B      |        |
|                              | Distance (m) | dBuV/m | Distance (m) | dBuV/m |
| 30 to 88                     | 10           | 39     | 3            | 40     |
| 88 to 216                    | 10           | 43.5   | 3            | 43.5   |
| 216 to 960                   | 10           | 46.4   | 3            | 46     |
| Above 960                    | 10           | 49.5   | 3            | 54     |

■ Above 1 GHz test shall not exceed following value

| Frequency (MHz) | dBuV/m (Distance 3m) |      |         |      |
|-----------------|----------------------|------|---------|------|
|                 | Class A              |      | Class B |      |
|                 | Average              | Peak | Average | Peak |
| 1000 ~ 40000    | 60                   | 80   | 54      | 74   |

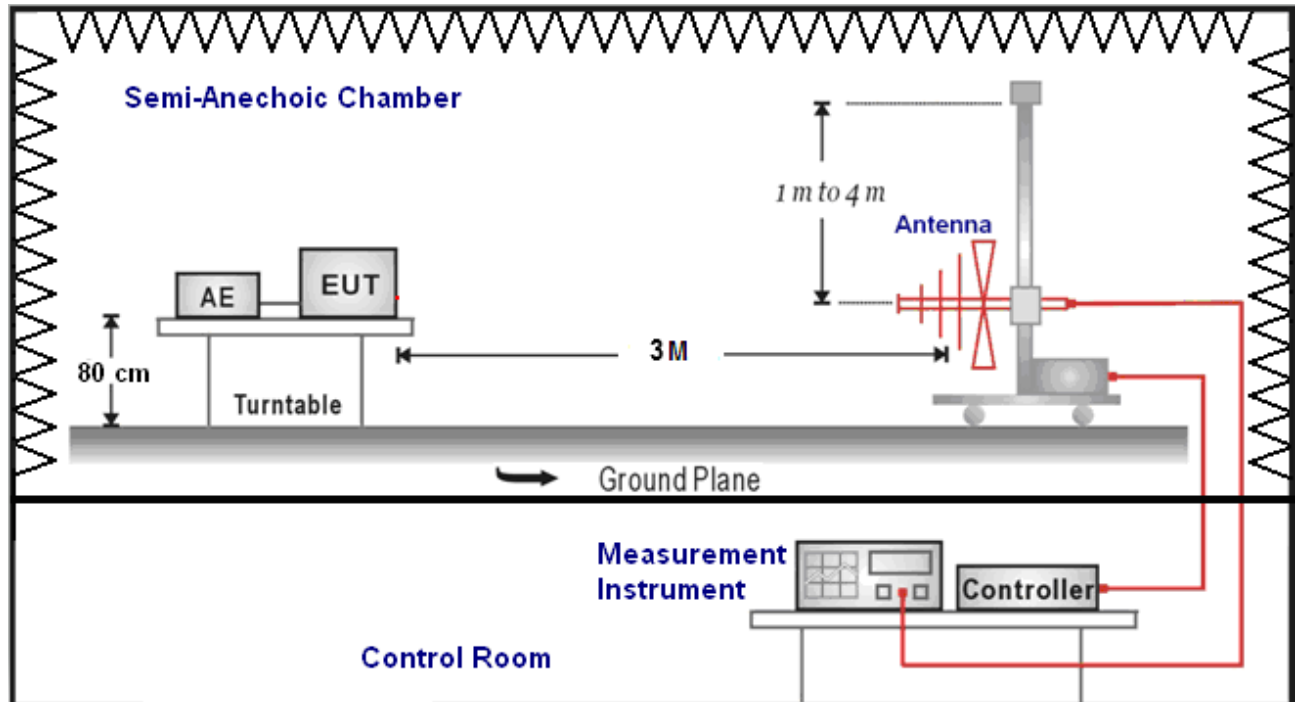
- Remark:
1. The tighter limit shall apply at the edge between two frequency bands.
  2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
  3. RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)
  4. Peak detector limit is corresponding to 20 dB above the maximum permitted average limit.

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

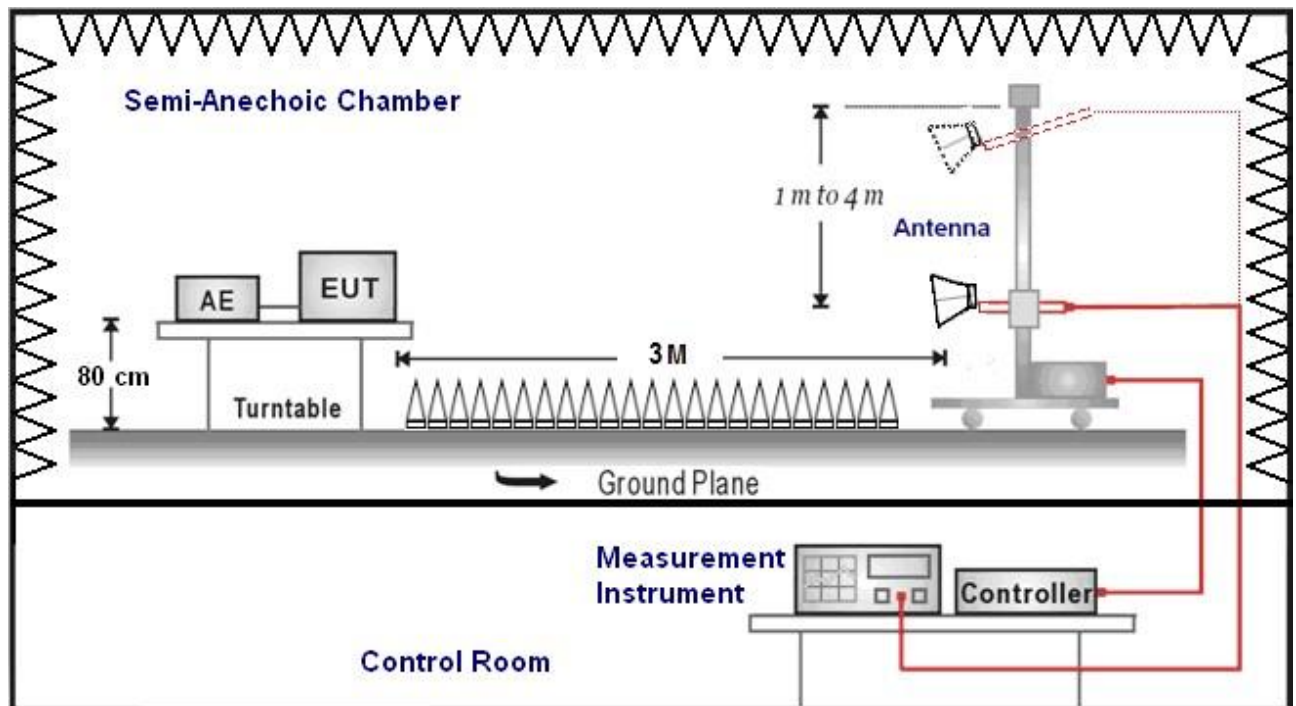
| Highest frequency generated or used in the device or in which the device operated or tunes (MHz) | Upper frequency of measurement range (MHz)                          |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Below 1.75                                                                                       | 30                                                                  |
| 1.75-108                                                                                         | 1000                                                                |
| 108-500                                                                                          | 2000                                                                |
| 500-1000                                                                                         | 5000                                                                |
| Above 1000                                                                                       | 5th harmonic of the highest frequency or 40 GHz, whichever is lower |

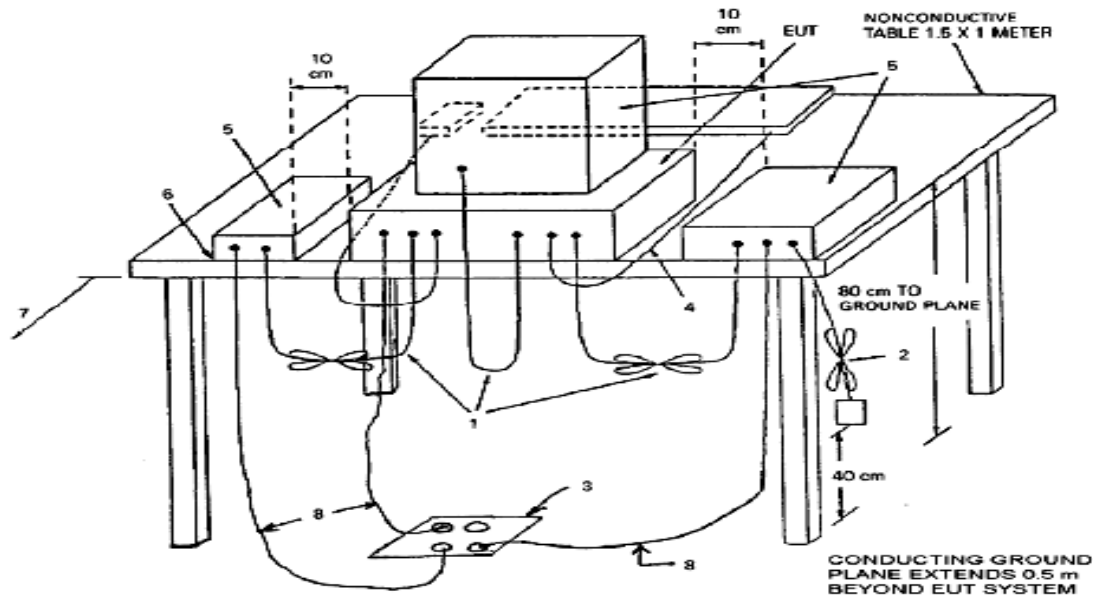
#### 4.2.2 Test Configuration

##### ■ Below 1GHz



##### ■ Above 1GHz



**Test arrangement for radiated emissions of tabletop equipment.****4.2.3 Test Procedure****■ Below 1 GHz**

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. When the EUT is floor-standing equipment, it is placed on the ground plane which has a 12 mm non-conductive covering to insulate the EUT from the ground plane.

The turn table is 0.8 m height and 2.0 m wide x 1.0 m deep size. It can rotate 360 degrees to determine the position of the maximum emission level. The spacing between the each equipment was 10 cm. The mains cables are dropped to floor and are round to receptacle. Interconnecting cables of table top equipment that hang closer than 0.4 m to the ground plane are folded back and forth forming a bundle 0.3 m to 0.4 m long, hanging approximately in the middle between ground plane and table. The EUT was positioned such that the distance from antenna to the EUT was 10 meters and the receive antenna was moved from 1m to 4m to investigate maximum highest emission at least 6 points over the frequency range from 30 MHz to 1 GHz using a resolution bandwidth of 120 kHz and measured by the quasi-peak detector.

According to this standard paragraph 15.109, as an alternative to the radiated emission limits, digital devices may be shown to comply with the standards contained in Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22, "Information Technology Equipment - Radio Disturbance Characteristics - Limits and Methods of Measurement".

### ■ Above 1 GHz

The Setup is same as Below 1 GHz placement. The turn table is 0.8 m height and 1.8 m wide x 1.0 m deep size.

The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meter for above 1 GHz, the highest frequency performed according to internal source frequency of the EUT, the specification was below:

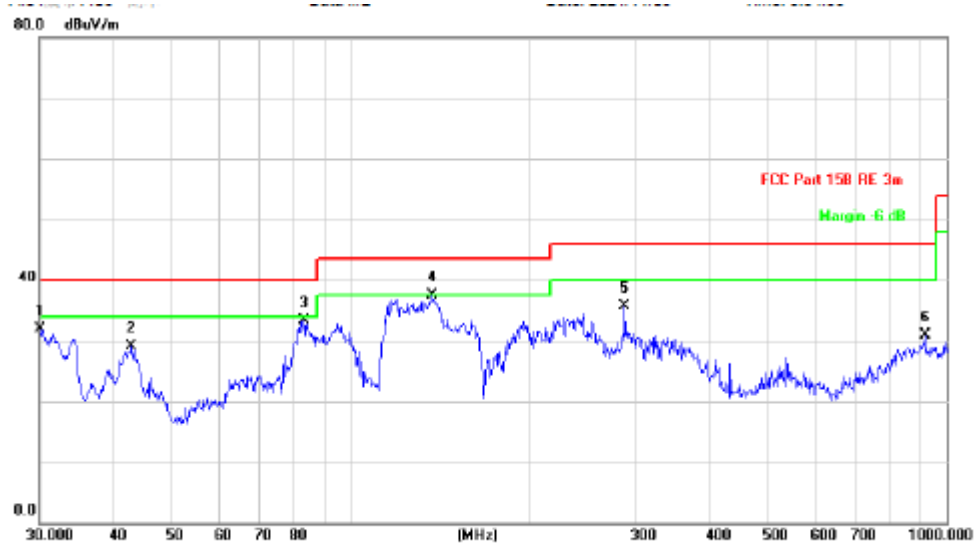
| Highest frequency generated or used in the device or on which the device operates or tunes (MHz) | Upper frequency of measurement range (MHz)                          |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Below 1.705                                                                                      | 30                                                                  |
| 1.705 - 108                                                                                      | 1000                                                                |
| 108 - 500                                                                                        | 2000                                                                |
| 500 - 1000                                                                                       | 5000                                                                |
| Above 1000                                                                                       | 5th harmonic of the highest frequency or 40 GHz, whichever is lower |

Absorber shall be spread between floor of a turn table and a receive antenna shown in 4.2.3. The antenna used boresight antenna master from 1 meter and 4 meters to find out the maximum emission level and find the highest emission at least 6 points. Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

Radiated emissions were applied to above 1 GHz using a resolution bandwidth of 1 MHz and measured by the peak and average detector which antenna to the EUT distance was 3 meters. If the EUT was meet both limits and measurement with the average detector receiver is unnecessary.

## 4.2.4 Test Results

|                    |              |                |                |
|--------------------|--------------|----------------|----------------|
| Test Standard:     | FCC Part 15B | Test Distance: | 3 m            |
| Test Mode:         | Mode 1       | Test Power:    | AC 125 V/60 Hz |
| Measurement Range: | 30 MHz~1 GHz | Ant.Polar.:    | Horizontal     |
| Model:             | LuckyBot     |                |                |



Site Chamber #1

Polarization: *Horizontal*

Temperature: 25

| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   |     | 30.1052  | 30.48         | 1.43           | 31.91       | 40.00  | -8.09  | QP             | 300          | 360    |
| 2   |     | 42.7496  | 40.02         | -10.90         | 29.12       | 40.00  | -10.88 | QP             | 100          | 180    |
| 3   |     | 83.2296  | 47.17         | -13.96         | 33.21       | 40.00  | -6.79  | QP             | 300          | 180    |
| 4   | *   | 136.9390 | 43.07         | -5.50          | 37.57       | 43.50  | -5.93  | QP             | 300          | 360    |
| 5   |     | 287.9904 | 40.01         | -4.26          | 35.75       | 46.00  | -10.25 | QP             | 300          | 360    |
| 6   |     | 919.2866 | 23.83         | 7.02           | 30.85       | 46.00  | -15.15 | QP             | 100          | 360    |

Test Standard: FCC Part 15B  
 Test Mode: Mode 1  
 Measurement Range: 30 MHz~1 GHz  
 Model: LuckyBot

Test Distance: 3 m  
 Test Power: AC 125 V/60 Hz  
 Ant.Polar.: Vertical



Site Chamber #1

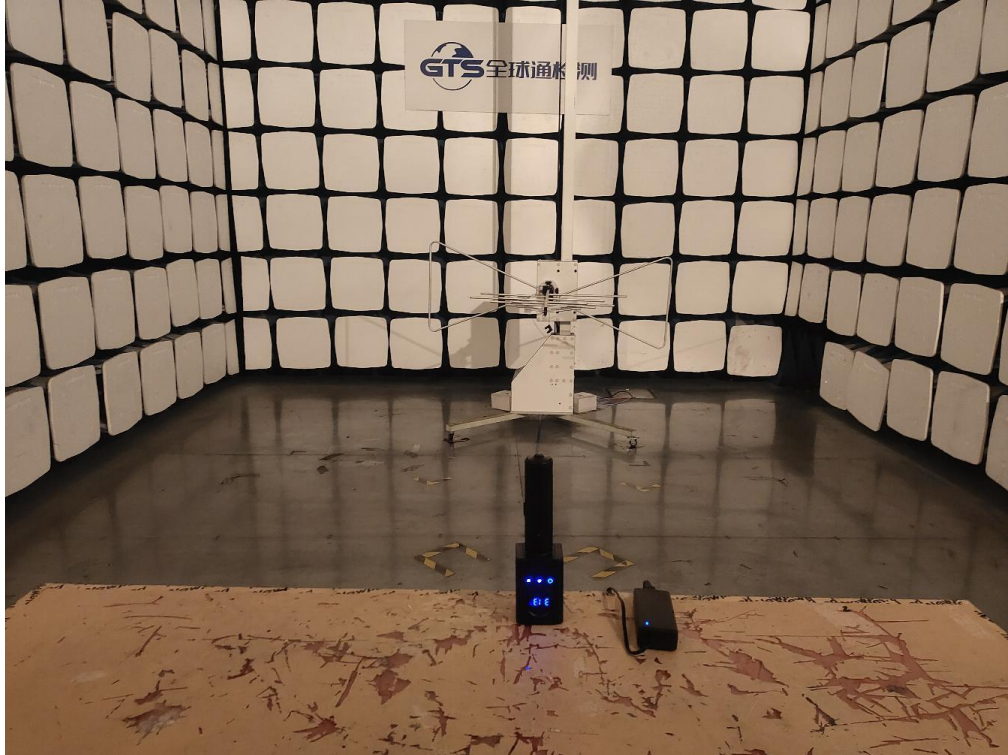
Polarization: *Vertical*

Temperature: 25

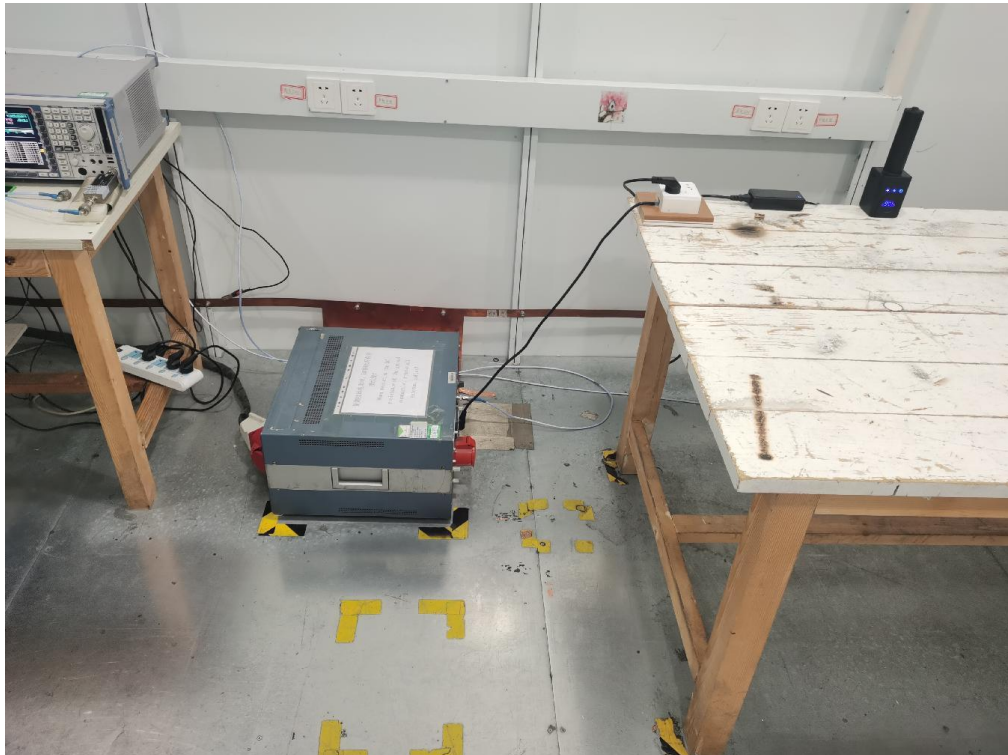
| No. | Mk. | Freq.    | Reading Level | Correct Factor | Measurement | Limit  | Over   | Antenna Height | Table Degree |        |
|-----|-----|----------|---------------|----------------|-------------|--------|--------|----------------|--------------|--------|
|     |     | MHz      | dBuV          | dB/m           | dBuV/m      | dBuV/m | dB     | Detector       | cm           | degree |
| 1   | !   | 30.0000  | 33.42         | 1.62           | 35.04       | 40.00  | -4.96  | QP             | 100          | 360    |
| 2   | *   | 44.1200  | 47.25         | -11.82         | 35.43       | 40.00  | -4.57  | QP             | 100          | 180    |
| 3   | !   | 75.9772  | 48.45         | -13.58         | 34.87       | 40.00  | -5.13  | QP             | 100          | 180    |
| 4   | !   | 160.9088 | 44.10         | -5.78          | 38.32       | 43.50  | -5.18  | QP             | 100          | 360    |
| 5   |     | 231.7178 | 44.24         | -6.42          | 37.82       | 46.00  | -8.18  | QP             | 100          | 360    |
| 6   |     | 603.5392 | 29.37         | 1.51           | 30.88       | 46.00  | -15.12 | QP             | 100          | 360    |

## 5. TEST SETUP PHOTOS OF THE EUT

Radiated Emission



Conducted Emission



## **6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT**

### **6.1.External photos of the EUT**



Fig. 1



Fig. 2



Fig. 3

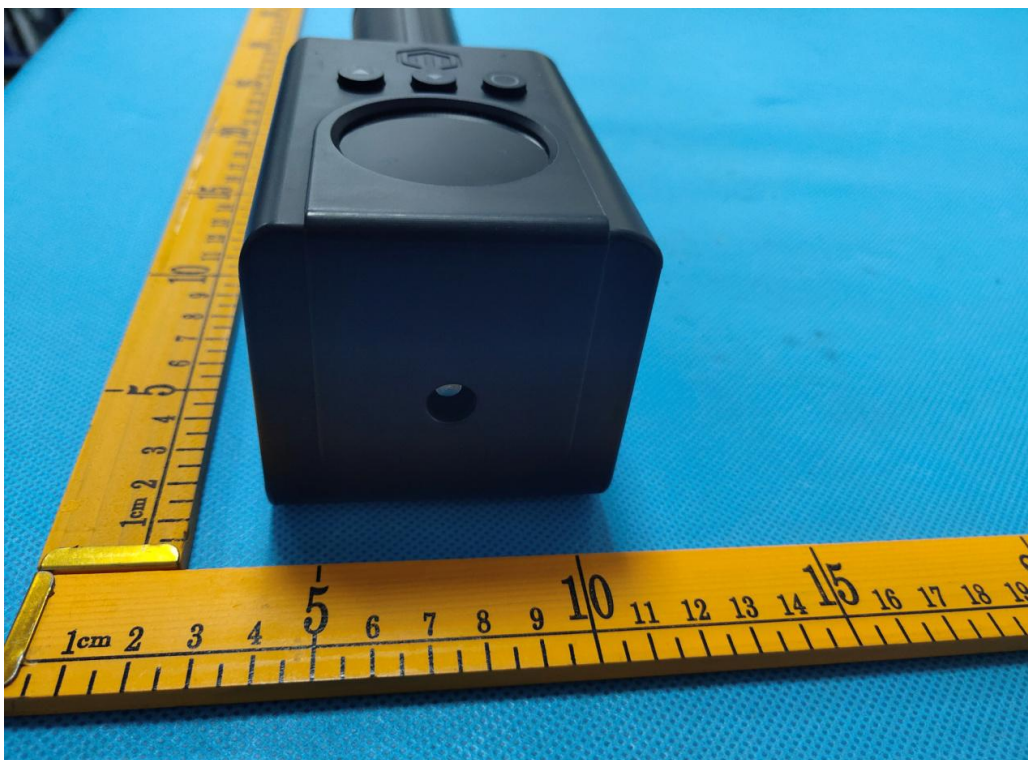


Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

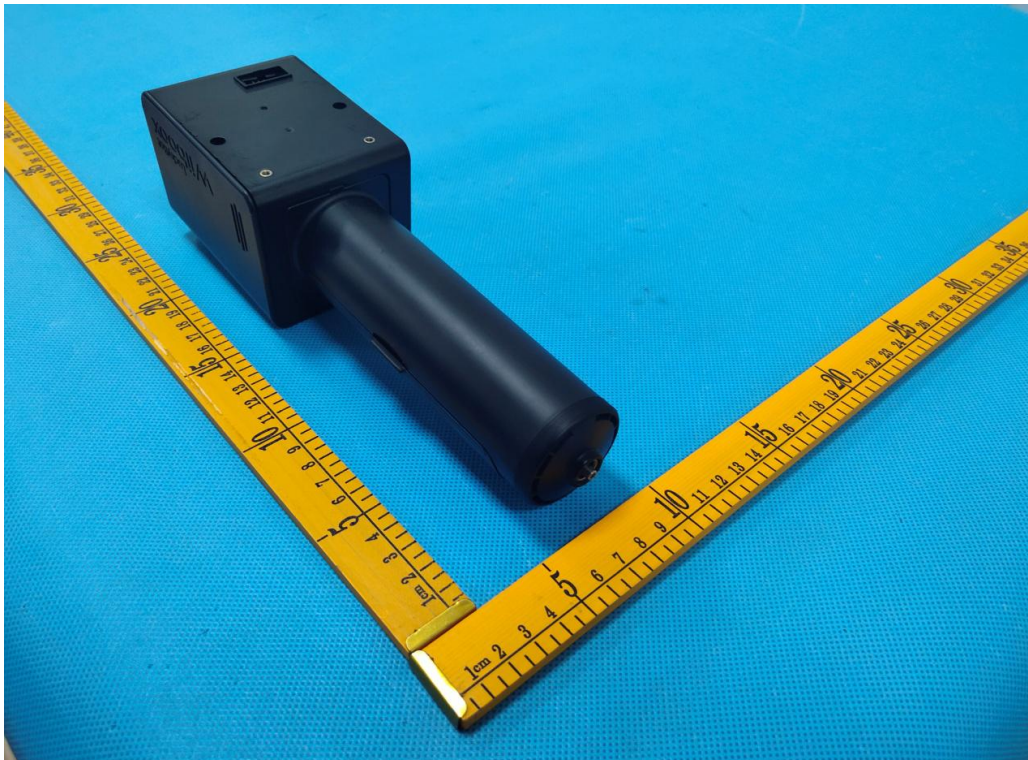


Fig. 9



Fig. 10

## 6.2. Internal photos of the EUT



Fig. 11

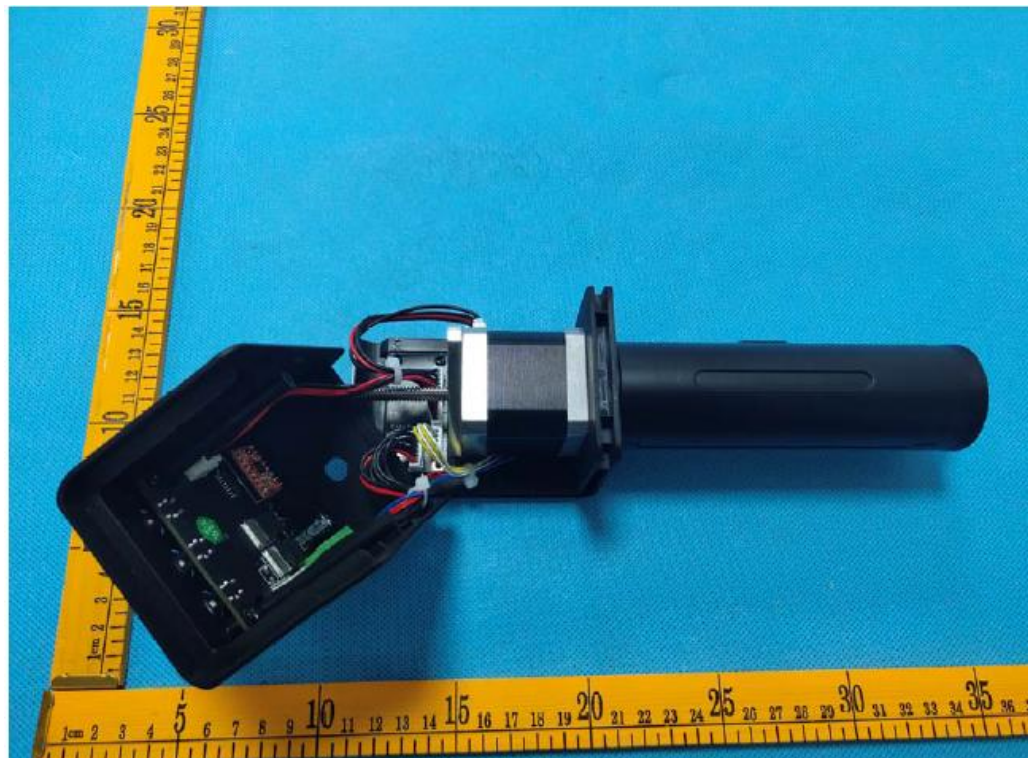


Fig. 12



Fig. 13

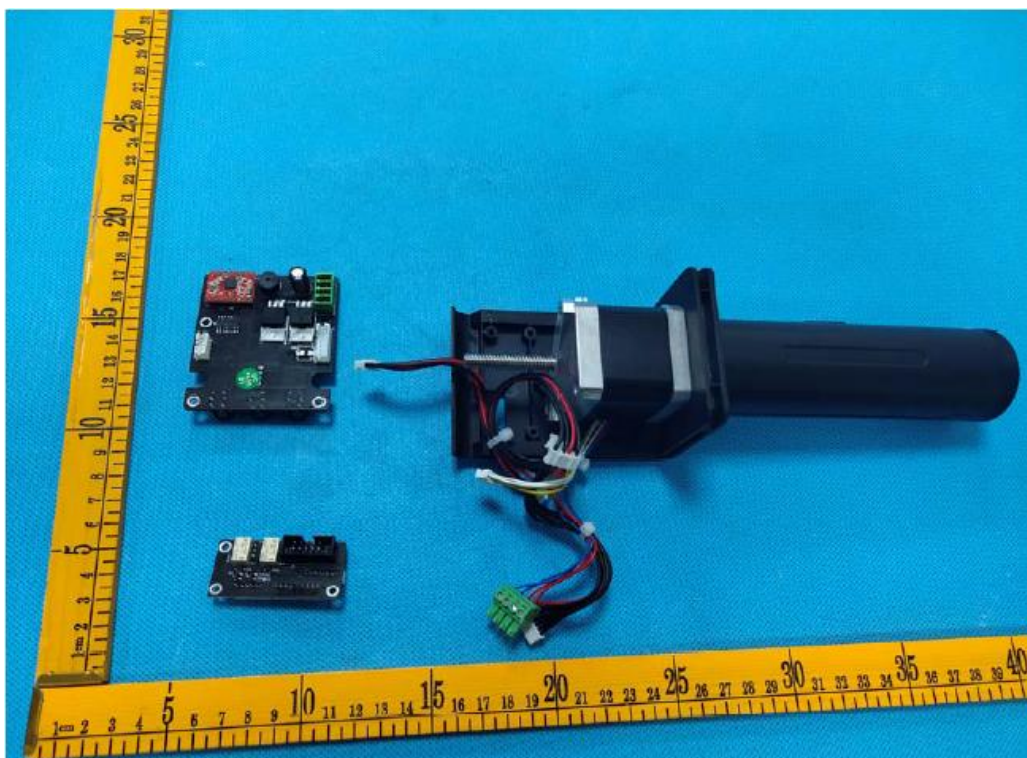


Fig. 14

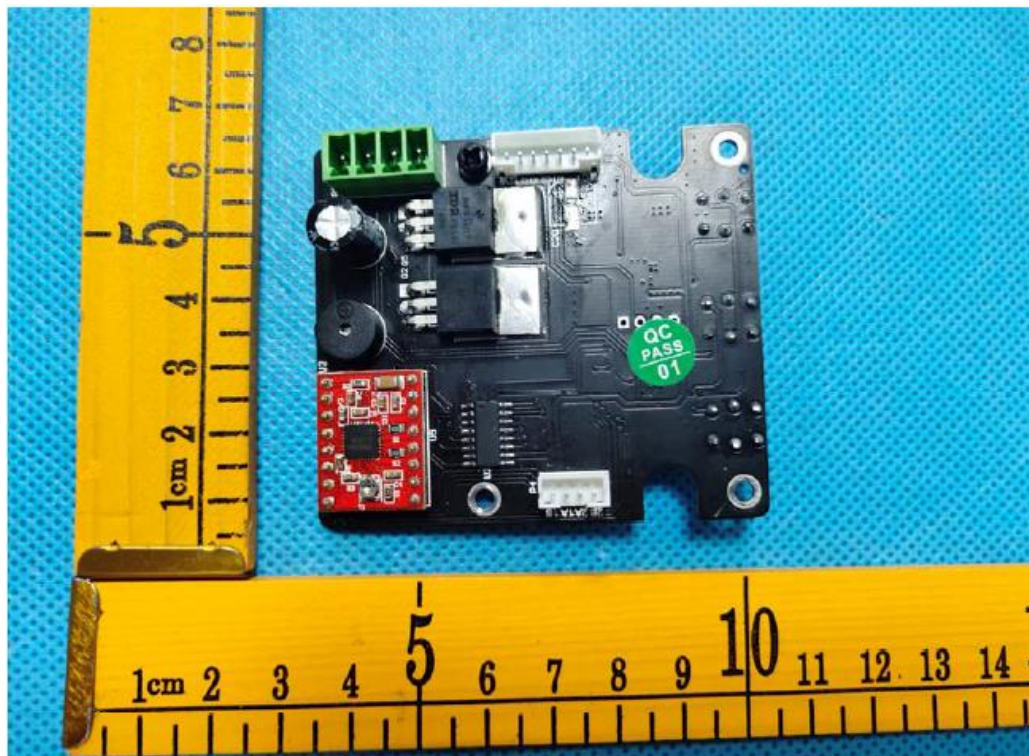


Fig. 15

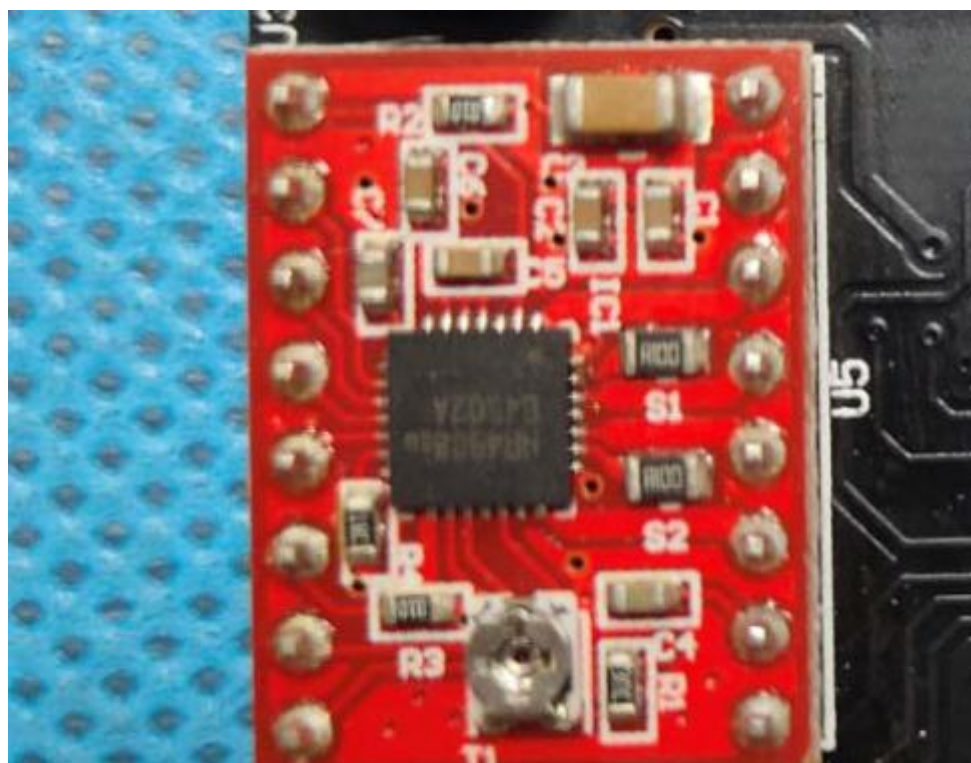


Fig. 16

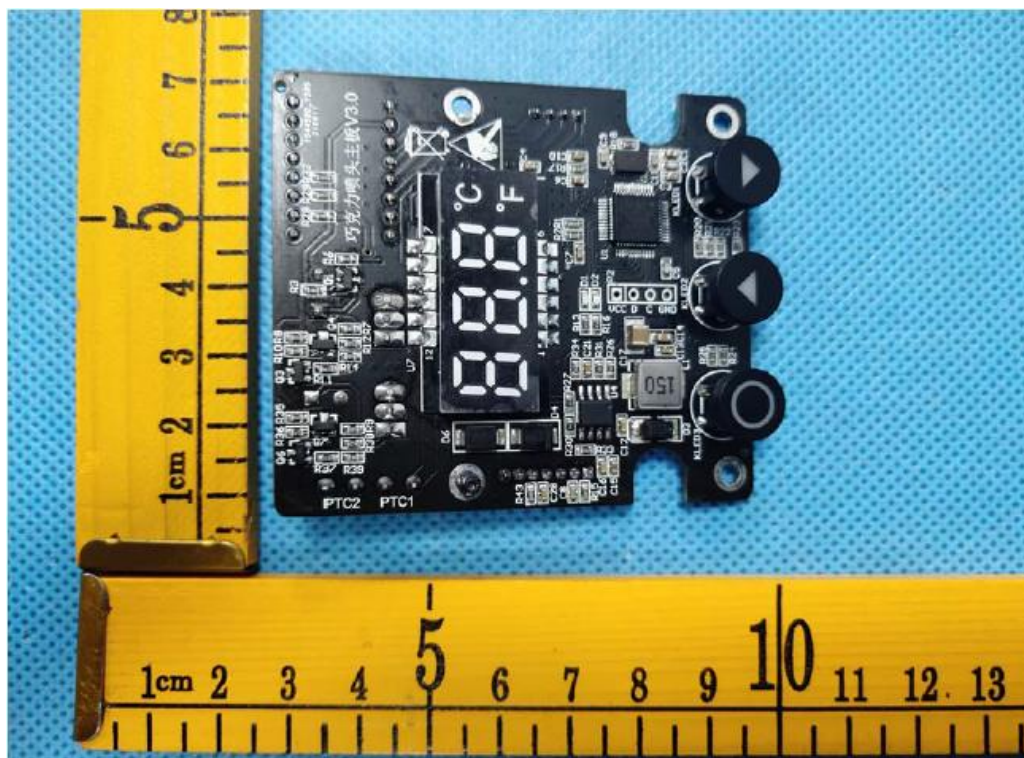


Fig. 17

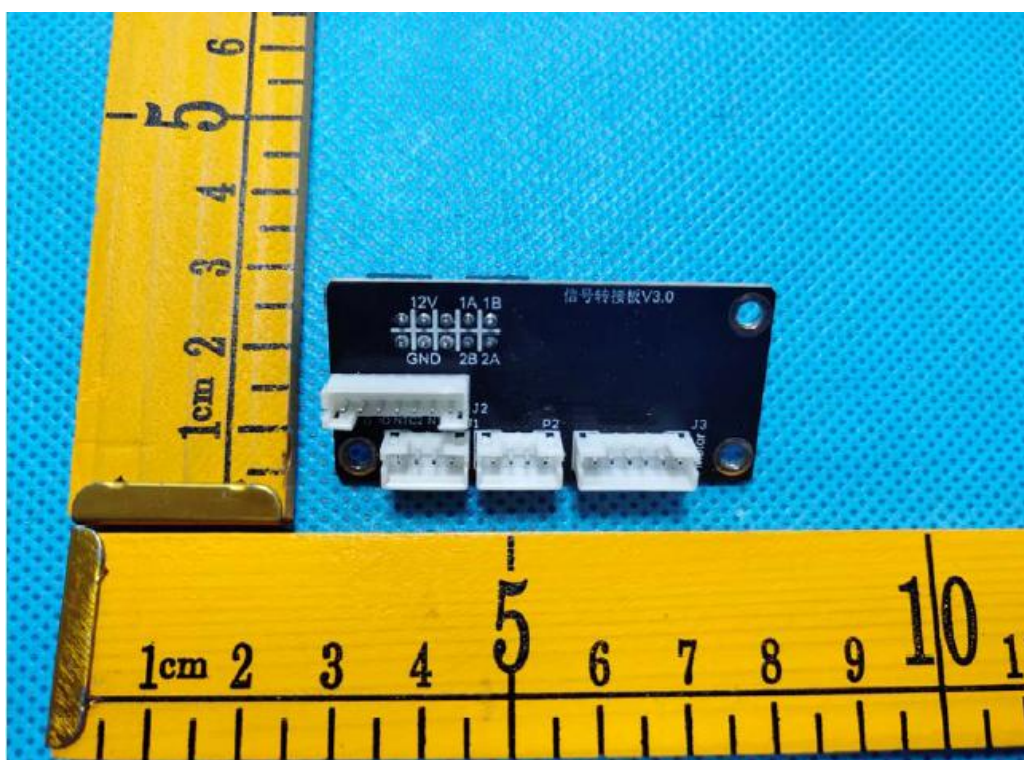


Fig. 18

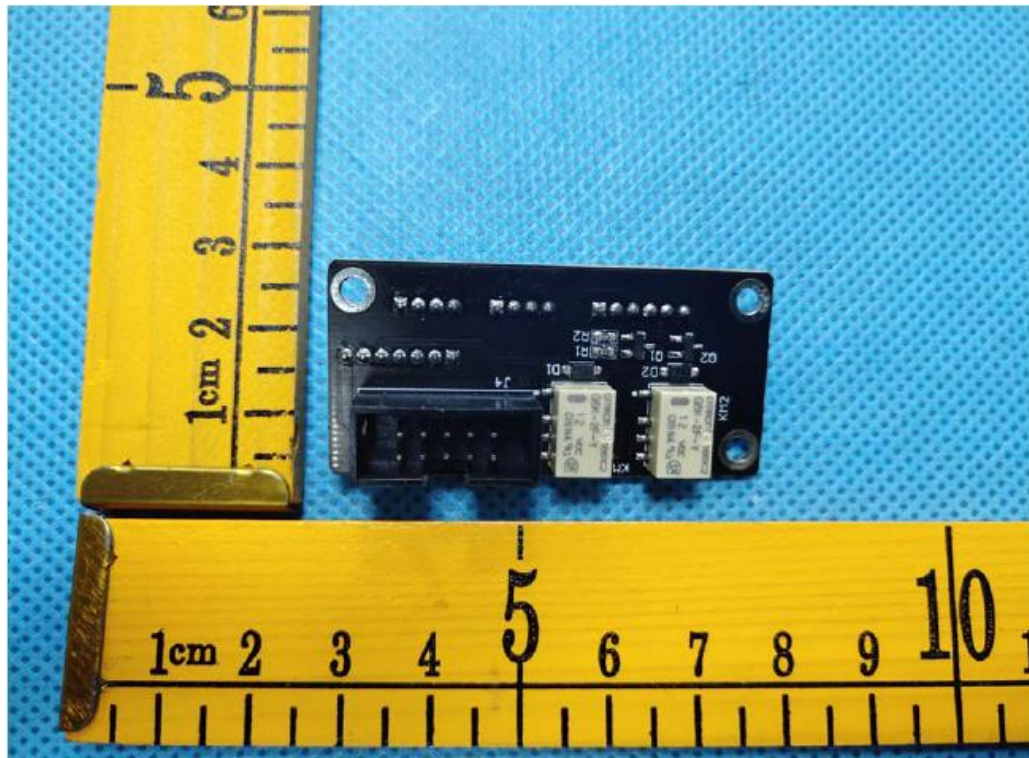


Fig. 19

.....End of Report.....