# FCC TEST REPORT
for
ZHONGSHAN BOYING ELECTRONICS CO., Ltd.

Wireless doorbell
Model No.: A101, A102, A103, A106, A107, A108, A109, A201, A202, A203, A205, A206, A207, A208, A209, A301, A302, A303, A306, A307, A308, A309, A501, A502, A503, A505, A506, A507, A508, A509, A501, A502, A503, A506, A507, A508, A509, A601, A602, A603, A605, A606, A607, A608, A609, A701, A702, A703, A706, A707, A708, A709, A801, A802, A803, A805, A806, A807, A808, A809, A901, A902, A903, A905, A906, A907, A908, A909, 9809, 9803

| | | |
|---|---|---|
| Prepared for | : | ZHONGSHAN BOYING ELECTRONICS CO., Ltd. |
| Address | : | No.11, Yulian Street, Dongsheng Town, Zhongshan City, Guangdong Province, China |

| | | |
|---|---|---|
| Prepared By | : | Shenzhen Anbotek Compliance Laboratory Limited |
| Address | : | 1/F., Building 1, SEC Industrial Park, No.0409 Qianhai Road, Nanshan District, Shenzhen, Guangdong, China<br>Tel: (86) 755-26066544<br>Fax: (86) 755-26014772 |

| | | |
|---|---|---|
| Report Number | : | R011508603I |
| Date of Test | : | Aug. 19~ Sept. 10, 2015 |
| Date of Report | : | Sept. 11, 2015 |

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Description

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# TEST REPORT VERIFICATION

| | | |
|---|---|---|
| Applicant | : | ZHONGSHAN BOYING ELECTRONICS CO., Ltd. |
| Manufacturer | : | ZHONGSHAN BOYING ELECTRONICS CO., Ltd. |
| EUT | : | Wireless doorbell |
| Model No. | : | A101, A102, A103, A106, A107, A108, A109, A201, A202, A203, A205, A206, A207, A208, A209, A301, A302, A303, A306, A307, A308, A309, A501, A502, A503, A505, A506, A507, A508, A509, A501, A502, A503, A506, A507, A508, A509, A601, A602, A603, A605, A606, A607, A608, A609, A701, A702, A703, A706, A707, A708, A709, A801, A802, A803, A805, A806, A807, A808, A809, A901, A902, A903, A905, A906, A907, A908, A909, 9809, 9803 |
| Serial No. | : | N.A. |
| Trade Mark | : | N.A. |
| Rating | : | AC 110-240V, 50/60Hz, 9.1mA |

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart B 15.107, 15.109 & FCC / ANSI C63.4-2014

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited To determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B Class B limits both radiated and conducted emissions. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited Is assumed full responsibility for the accuracy and completeness of these measurements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited

Date of Test : Aug. 19~ Sept. 10, 2015

Prepared by : Kebo Zhang
(Tested Engineer / Kebo Zhang)

Reviewer : Amy Ding
(Project Manager / Amy Ding)

Approved & Authorized Signer : Tom Chen
(Manager / Tom Chen)

# 1. GENERAL INFORMATION

## 1.1. Description of Device (EUT)

| | | |
|---|---|---|
| Description | : | Wireless doorbell |
| Model Number | : | A101, A102, A103, A106, A107, A108, A109, A201, A202, A203, A205, A206, A207, A208, A209, A301, A302, A303, A306, A307, A308, A309, A501, A502, A503, A505, A506, A507, A508, A509, A501, A502, A503, A506, A507, A508, A509, A601, A602, A603, A605, A606, A607, A608, A609, A701, A702, A703, A706, A707, A708, A709, A801, A802, A803, A805, A806, A807, A808, A809, A901, A902, A903, A905, A906, A907, A908, A909, 9809, 9803 (Note: All samples are the same except the model number and colour, so we prepare "A101" for test only.) |
| Test Power Supply | : | AC 120V, 60Hz/AC 240V, 60Hz |
| Applicant | : | ZHONGSHAN BOYING ELECTRONICS CO., Ltd. |
| Address | : | No.11, Yulian Street, Dongsheng Town, Zhongshan City, Guangdong Province, China |
| Manufacturer | : | ZHONGSHAN BOYING ELECTRONICS CO., Ltd. |
| Address | : | No.11, Yulian Street, Dongsheng Town, Zhongshan City, Guangdong Province, China |
| Factory | : | ZHONGSHAN BOYING ELECTRONICS CO., Ltd. |
| Address | : | No.11, Yulian Street, Dongsheng Town, Zhongshan City, Guangdong Province, China |
| Date of receipt | : | Aug. 19, 2015 |
| Date of Test | : | Aug. 19~ Sept. 10, 2015 |

## 1.2. Auxiliary Equipment Used during Test

N/A

## 1.3. Description of Test Facility

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

**CNAS - LAB Code: L3503**
Shenzhen Anbotek Compliance Laboratory Limited., Laboratory has been assessed and in compliance with CNAS/CL01: 2006 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

**FCC-Registration No.: 752021**
Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registed and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 752021, July 10, 2013

**IC-Registration No.: 8058A-1**
Shenzhen Anbotek Compliance Laboratory Limited., EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration 8058A-1, Feb. 22, 2013

**Test Location**
All Emissions tests were performed
Shenzhen Anbotek Compliance Laboratory Limited. at 1/F., Building 1, SEC Industrial Park, No.0409 Qianhai Road, Nanshan District, Shenzhen, Guangdong, China

## 1.4. Measurement Uncertainty

| | | |
|---|---|---|
| Radiation Uncertainty | : | Ur = 4.1dB (Horizontal)<br>Ur = 4.3dB (Vertical) |
| Conduction Uncertainty | : | Uc = 3.4dB |

## 1.5. Test Summary

For the EUT described above. The standards used were FCC Part 15 Subpart B for Emissions.
Table 1 : Tests Carried Out Under FCC Part 15 Subpart B

| Standard | Test Items | Status |
|---|---|---|
| FCC Part 15 Subpart B | Power Line Conducted Emission Test (150KHz To 30MHz) | √ |
| FCC Part 15 Subpart B | Radiated Emission Test (30MHz To 1000MHz) | √ |

√ Indicates that the test is applicable
x Indicates that the test is not applicable

# 2. POWER LINE CONDUCTED MEASUREMENT

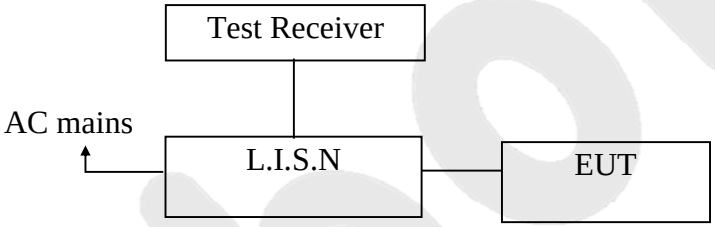
## 2.1. Test Equipment

The following test equipments are used during the power line conducted measurement:

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | Two-Line V-network | Rohde & Schwarz | ENV216 | 100055 | Apr. 17, 2015 | 1 Year |
| 2. | EMI Test Receiver | Rohde & Schwarz | ESCI | 100627 | Apr. 17, 2015 | 1 Year |
| 3. | RF Switching Unit | Compliance Direction | RSU-M2 | 38303 | Apr. 17, 2015 | 1 Year |

## 2.2. Block Diagram of Test Setup

### 2.2.1. Block diagram of connection between the EUT and simulators




## 2.3. Power Line Conducted Emission Measurement Limits (FCC Part 15 Class B)

| Frequency MHz | Limits dB(μV) | |
|---|---|---|
| | Quasi-peak Level | Average Level |
| 0.15 ~ 0.50 | 66 ~ 56* | 56 ~ 46* |
| 0.50 ~ 5.00 | 56 | 46 |
| 5.00 ~ 30.00 | 60 | 50 |

Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

## 2.4. Configuration of EUT on Measurement

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

## 2.5. Operating Condition of EUT

2.5.1. Setup the EUT and simulator as shown as Section 2.2.

2.5.2. Turn on the power of all equipment.

2.5.3. Let the EUT work in test mode (On) and measure it.

## 2.6. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.4-2014 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9KHz.

The frequency range from 150KHz to 30MHz is checked.

The test result are reported on Section 2.7.

## 2.7. Power Line Conducted Emission Measurement Results

**PASS.**

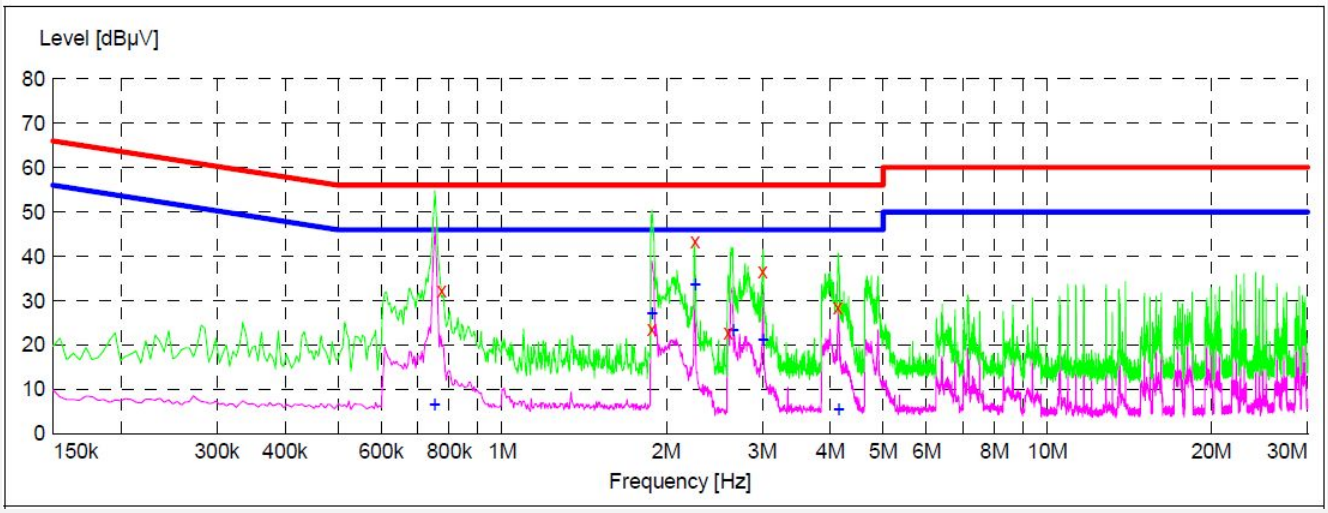
The frequency range from 150KHz to 30 MHz is investigated.

Please refer the following pages.

## *CONDUCTED EMISSION TEST DATA*

| | |
|---|---|
| Test Site: | 1# Shielded Room |
| Operating Condition: | On |
| Test Specification: | AC 120V, 60Hz |
| Comment: | L |
| | Temp.:25℃ Hum.:50% |

**SCAN TABLE: "Voltage(150K~30M)FIN"**
Short Description: 150K-30M Disturbance Voltages



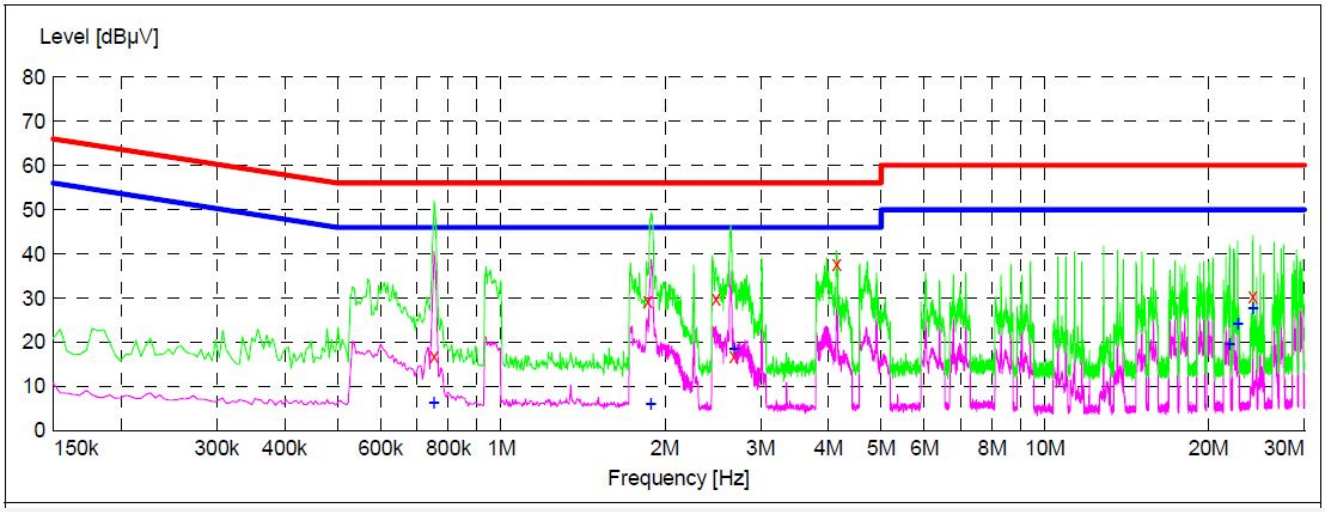

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.775500 | 32.40 | 20.1 | 56 | 23.6 | QP | L1 | GND |
| 1.882000 | 23.70 | 20.3 | 56 | 32.3 | QP | L1 | GND |
| 2.260000 | 43.30 | 20.3 | 56 | 12.7 | QP | L1 | GND |
| 2.597500 | 22.70 | 20.4 | 56 | 33.3 | QP | L1 | GND |
| 3.002500 | 36.60 | 20.4 | 56 | 19.4 | QP | L1 | GND |
| 4.123000 | 28.50 | 20.5 | 56 | 27.5 | QP | L1 | GND |

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.753000 | 6.70 | 20.1 | 46 | 39.3 | AV | L1 | GND |
| 1.882000 | 27.20 | 20.3 | 46 | 18.8 | AV | L1 | GND |
| 2.260000 | 33.60 | 20.3 | 46 | 12.4 | AV | L1 | GND |
| 2.656000 | 23.50 | 20.4 | 46 | 22.5 | AV | L1 | GND |
| 3.011500 | 21.30 | 20.4 | 46 | 24.7 | AV | L1 | GND |
| 4.136500 | 5.40 | 20.5 | 46 | 40.6 | AV | L1 | GND |

## *CONDUCTED EMISSION TEST DATA*

| | |
|---|---|
| Test Site: | 1# Shielded Room |
| Operating Condition: | On |
| Test Specification: | AC 120V, 60Hz |
| Comment: | N |
| | Temp.:25℃ Hum.:50% |

**SCAN TABLE: "Voltage(150K~30M)FIN"**
Short Description: 150K-30M Disturbance Voltages



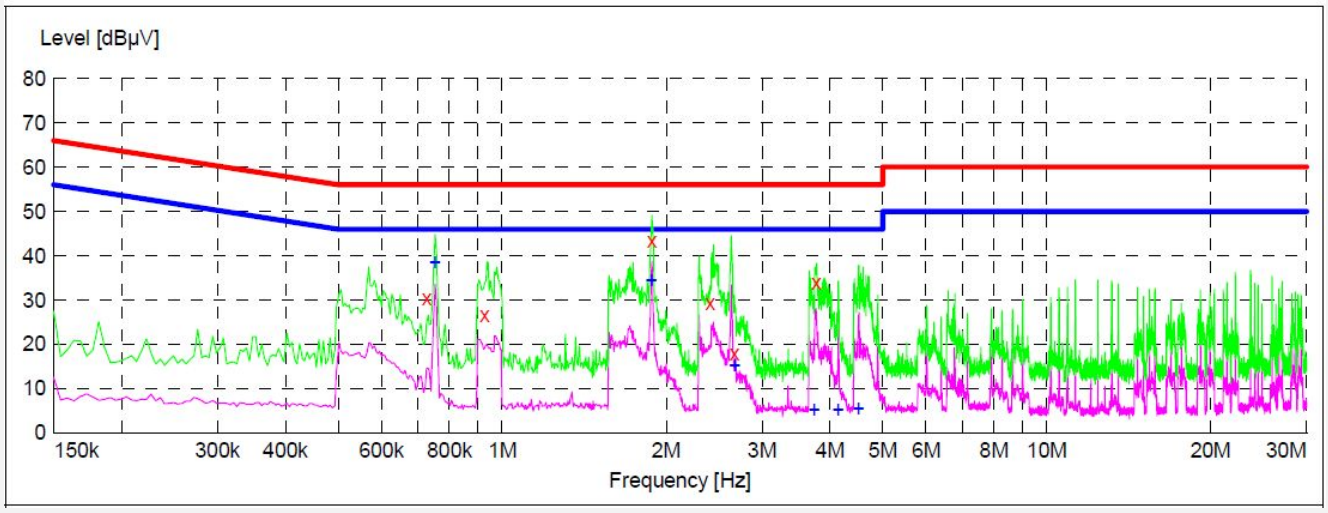

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.753000 | 16.80 | 20.1 | 56 | 39.2 | QP | N | GND |
| 1.859500 | 29.30 | 20.3 | 56 | 26.7 | QP | N | GND |
| 2.480500 | 30.00 | 20.3 | 56 | 26.0 | QP | N | GND |
| 2.678500 | 17.00 | 20.4 | 56 | 39.0 | QP | N | GND |
| 4.145500 | 37.80 | 20.5 | 56 | 18.2 | QP | N | GND |
| 24.107500 | 30.30 | 20.8 | 60 | 29.7 | QP | N | GND |

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.753000 | 6.30 | 20.1 | 46 | 39.7 | AV | N | GND |
| 1.882000 | 6.00 | 20.3 | 46 | 40.0 | AV | N | GND |
| 2.678500 | 18.40 | 20.4 | 46 | 27.6 | AV | N | GND |
| 21.862000 | 19.60 | 20.8 | 50 | 30.4 | AV | N | GND |
| 22.640500 | 24.20 | 20.8 | 50 | 25.8 | AV | N | GND |
| 24.130000 | 27.60 | 20.8 | 50 | 22.4 | AV | N | GND |

## *CONDUCTED EMISSION TEST DATA*

| | |
|---|---|
| Test Site: | 1# Shielded Room |
| Operating Condition: | On |
| Test Specification: | AC 240V, 60Hz |
| Comment: | L |
| | Temp.:25℃ Hum.:50% |

**SCAN TABLE: "Voltage(150K~30M)FIN"**
Short Description: 150K-30M Disturbance Voltages



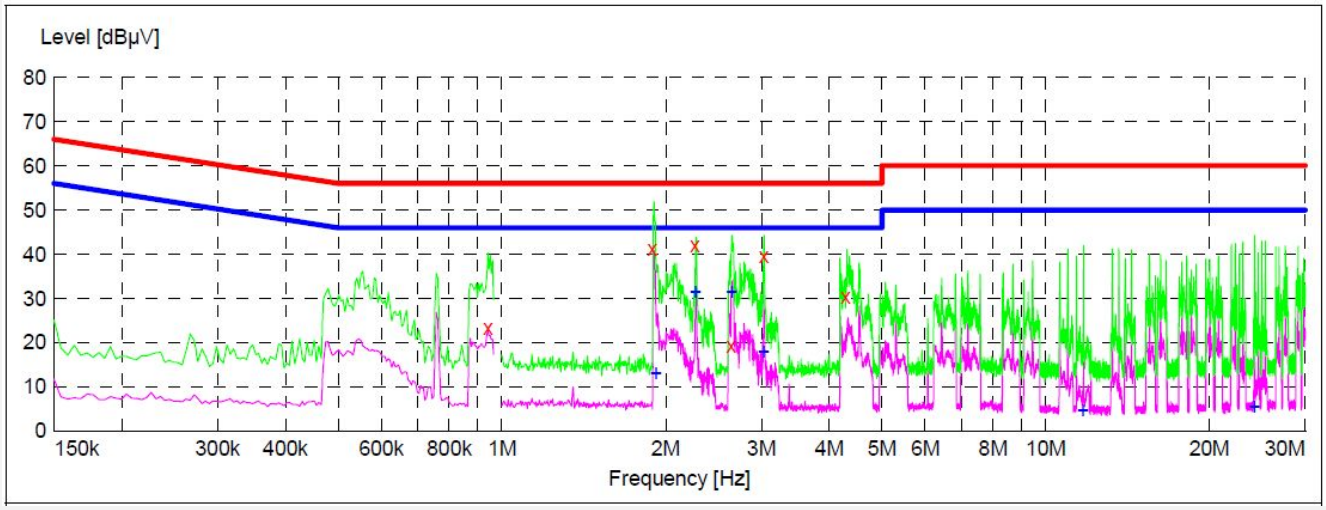

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.726000 | 30.30 | 20.1 | 56 | 25.7 | QP | L1 | GND |
| 0.928500 | 26.50 | 20.1 | 56 | 29.5 | QP | L1 | GND |
| 1.882000 | 43.20 | 20.3 | 56 | 12.8 | QP | L1 | GND |
| 2.408500 | 29.50 | 20.3 | 56 | 26.5 | QP | L1 | GND |
| 2.669500 | 17.80 | 20.4 | 56 | 38.2 | QP | L1 | GND |
| 3.767500 | 33.80 | 20.4 | 56 | 12.2 | QP | L1 | GND |

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.753000 | 38.20 | 20.1 | 46 | 7.8 | AV | L1 | GND |
| 1.877500 | 33.30 | 20.3 | 46 | 12.7 | AV | L1 | GND |
| 2.674000 | 15.30 | 20.4 | 46 | 30.7 | AV | L1 | GND |
| 3.740500 | 5.30 | 20.4 | 46 | 40.7 | AV | L1 | GND |
| 4.132000 | 5.20 | 20.5 | 46 | 40.8 | AV | L1 | GND |
| 4.510000 | 5.40 | 20.5 | 46 | 40.6 | AV | L1 | GND |

## *CONDUCTED EMISSION TEST DATA*

| | |
|---|---|
| Test Site: | 1# Shielded Room |
| Operating Condition: | On |
| Test Specification: | AC 240V, 60Hz |
| Comment: | N |
| | Temp.:25℃ Hum.:50% |

**SCAN TABLE: "Voltage(150K~30M)FIN"**
Short Description: 150K-30M Disturbance Voltages




| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 0.942000 | 23.40 | 20.1 | 56 | 32.6 | QP | N | GND |
| 1.891000 | 41.30 | 20.3 | 56 | 14.7 | QP | N | GND |
| 2.264500 | 42.70 | 20.3 | 56 | 13.3 | QP | N | GND |
| 2.638000 | 19.40 | 20.4 | 56 | 36.6 | QP | N | GND |
| 3.029500 | 30.00 | 20.4 | 56 | 20.0 | QP | N | GND |
| 4.285000 | 28.40 | 20.5 | 56 | 27.6 | QP | N | GND |

| Frequency MHz | Level dBµV | Transd dB | Limit dBµV | Margin dB | Detector | Line | PE |
|---|---|---|---|---|---|---|---|
| 1.918000 | 14.50 | 20.3 | 46 | 31.5 | AV | N | GND |
| 2.269000 | 31.70 | 20.3 | 46 | 14.3 | AV | N | GND |
| 2.642500 | 31.50 | 20.4 | 46 | 14.5 | AV | N | GND |
| 3.025000 | 18.10 | 20.4 | 46 | 27.9 | AV | N | GND |
| 11.701000 | 4.80 | 20.6 | 50 | 45.2 | AV | N | GND |
| 24.166000 | 5.60 | 20.8 | 50 | 44.4 | AV | N | GND |

# 3. RADIATED EMISSION MEASUREMENT

## 3.1. Test Equipment

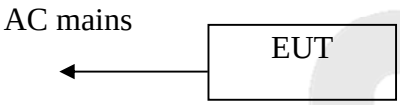
The following test equipments are used during the radiated emission measurement:

3.1.1. For Anechoic Chamber

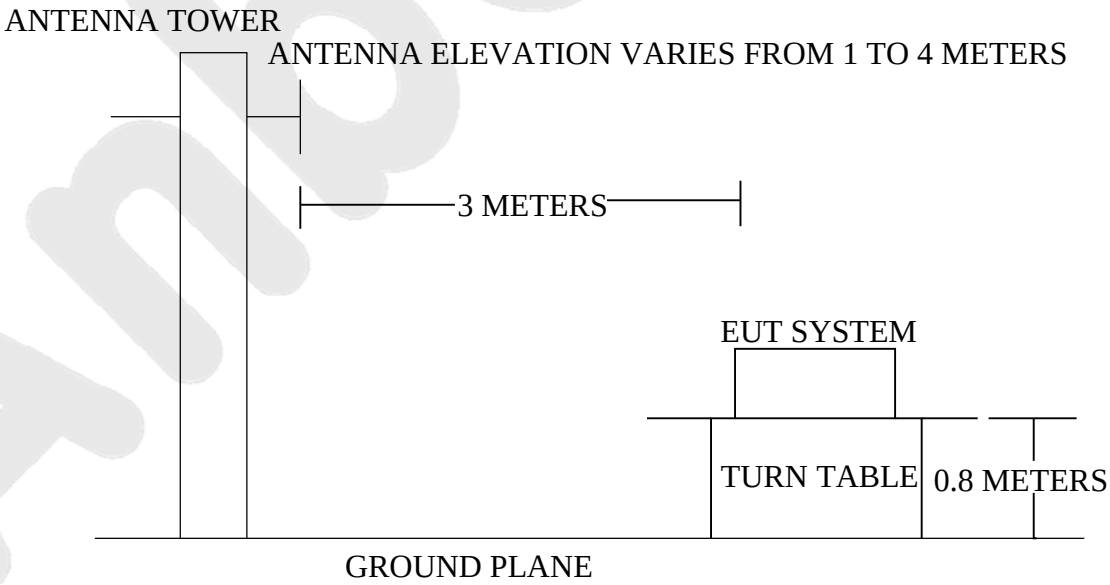
| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|---|---|---|---|---|---|---|
| 1. | EMI Test Receiver | Rohde & Schwarz | ESPI | 101604 | Apr. 17, 2015 | 1 Year |
| 2. | Bilog Broadband Antenna | Schwarzbeck | VULB9163 | VULB 9163-289 | Apr. 20, 2015 | 1 Year |
| 3. | Pre-amplifier | SONOMA | 310N | 186860 | Apr. 17, 2015 | 1 Year |

## 3.2. Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and simulators




3.2.2. Anechoic Chamber Test Setup Diagram




## 3.3. Radiated Emission Limit (Subpart B Class B)

| FREQUENCY MHz | DISTANCE Meters | FIELD STRENGTHS LIMIT | |
|---|---|---|---|
| | | μV/m | dB(μV)/m |
| 30~88 | 3 | 100 | 40.0 |
| 88~216 | 3 | 150 | 43.5 |

| | | | |
|---|---|---|---|
| 216~960 | 3 | 200 | 46.0 |
| 960~1000 | 3 | 500 | 54.0 |

Remark： (1) Emission level (dB)μV = 20 log Emission level μV/m
(2) The smaller limit shall apply at the cross point between two frequency bands.
(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

## 3.4. EUT Configuration on Measurement

The following equipments are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

## 3.5. Operating Condition of EUT

3.5.1. Setup the EUT as shown in Section 3.2.

3.5.2. Let the EUT work in test mode (On) and measure it.

## 3.6. Test Procedure

For below 1GHz, the EUT is placed on a turn table which is 0.8 meter high above the ground. For above 1GHz, the EUT is placed on a turn table which is 1.5 meter high above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (Trilog Broadband Antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2014 on radiated emission measurement.

The bandwidth of the EMI test receiver (ESCI) is set at 120kHz.

The frequency range from 30MHz to 6000MHz is checked.

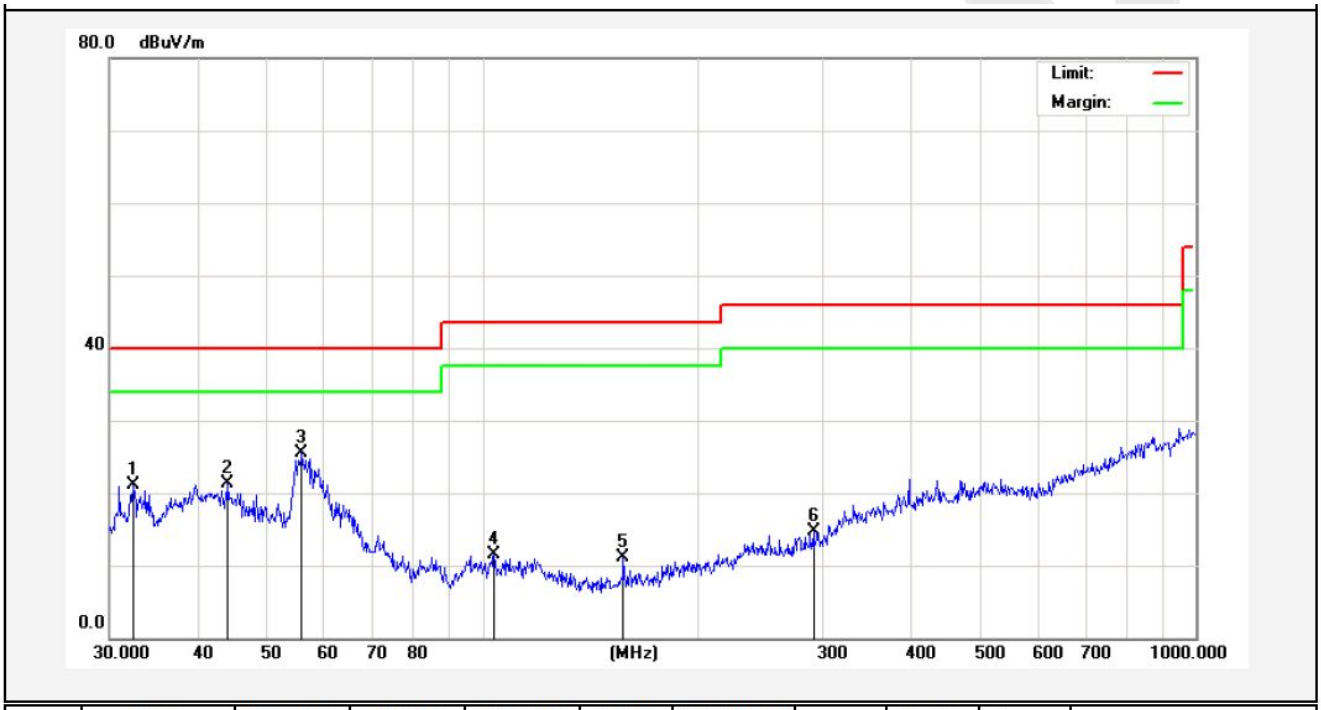
The test mode (On) is tested in chamber and all the test results are listed in Section 3.7.

## 3.7. Radiated Emission Measurement Results

**PASS.**

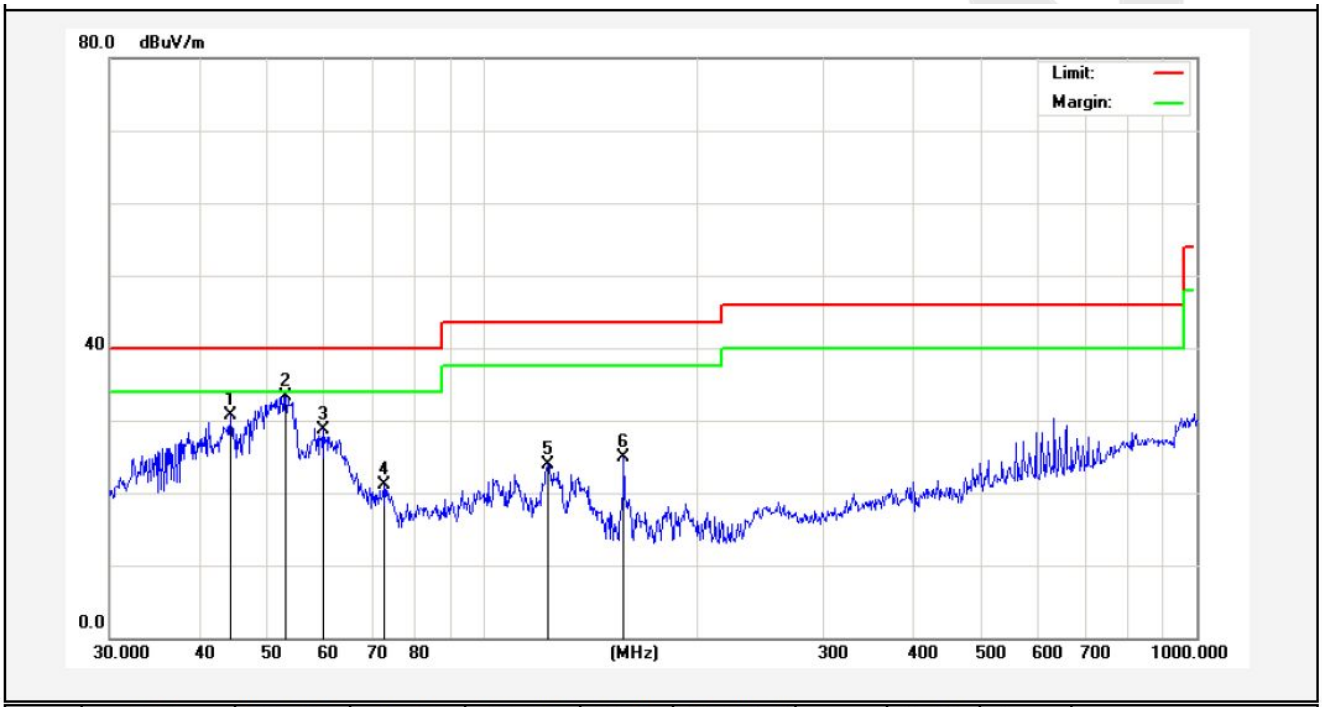
Please refer the following pages.

| | | | |
|---|---|---|---|
| **Job No.:** | **011508603I** | **Polarization:** | **Horizontal** |
| **Standard:** | **(RE)FCC PART15 B _3m** | **Power Source:** | **AC 120V, 60Hz** |
| **Test item:** | **Radiation Test** | **Temp.(℃)/Hum.(%RH):** | **24.3( ℃)/55%RH** |
| **Mode:** | **On** | **Distance:** | **3m** |
| **Note:** | **30-1000MHz** | | |



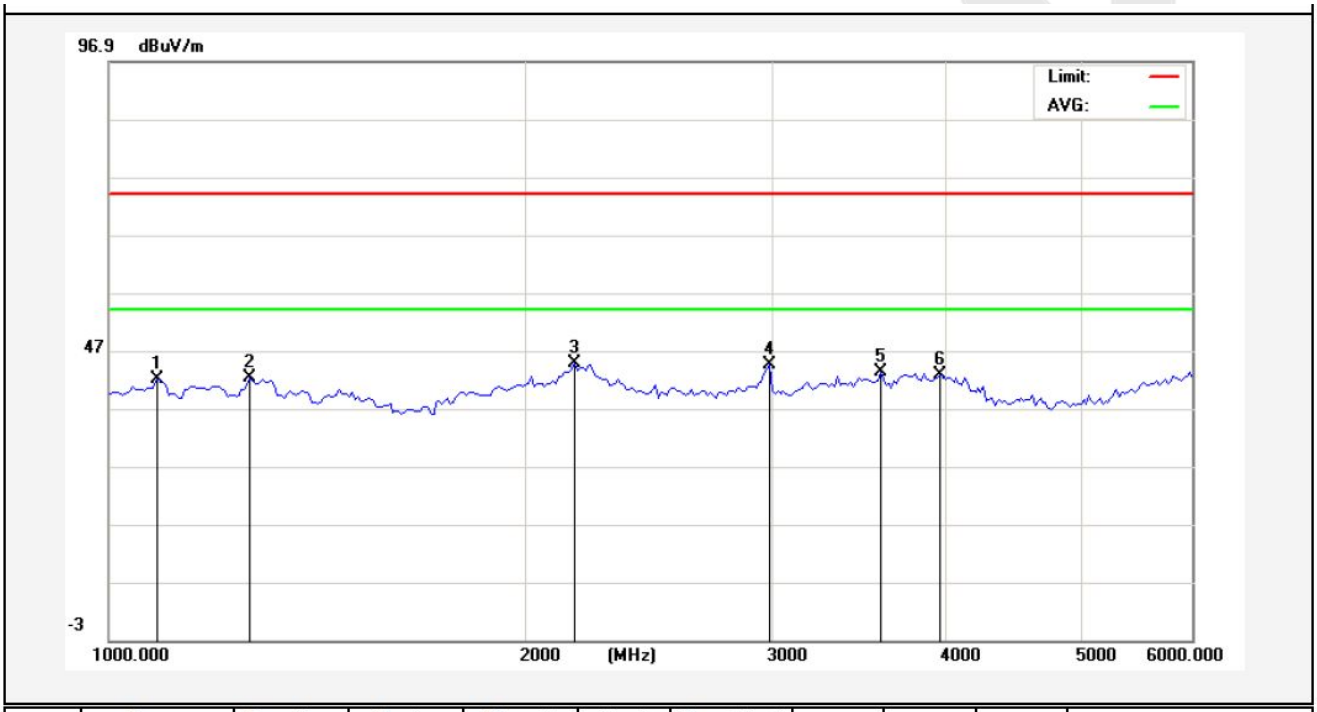

| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/ | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 32.4059 | 36.75 | -15.67 | 21.08 | 40.00 | -18.92 | peak | | | |
| 2 | 43.9658 | 33.14 | -11.92 | 21.22 | 40.00 | -18.78 | peak | | | |
| 3 | 55.8047 | 40.50 | -15.00 | 25.50 | 40.00 | -14.50 | peak | | | |
| 4 | 103.8055 | 32.27 | -20.71 | 11.56 | 43.50 | -31.94 | peak | | | |
| 5 | 157.5588 | 34.06 | -22.98 | 11.08 | 43.50 | -32.42 | peak | | | |
| 6 | 291.0360 | 32.53 | -17.92 | 14.61 | 46.00 | -31.39 | peak | | | |

| | | | |
|---|---|---|---|
| **Job No.:** | **011508603I** | **Polarization:** | **Vertical** |
| **Standard:** | **(RE)FCC PART15 B _3m** | **Power Source:** | **AC 120V, 60Hz** |
| **Test item:** | **Radiation Test** | **Temp.(℃)/Hum.(%RH):** | **24.3( ℃)/55%RH** |
| **Mode:** | **On** | **Distance:** | **3m** |
| **Note:** | **30-1000MHz** | | |



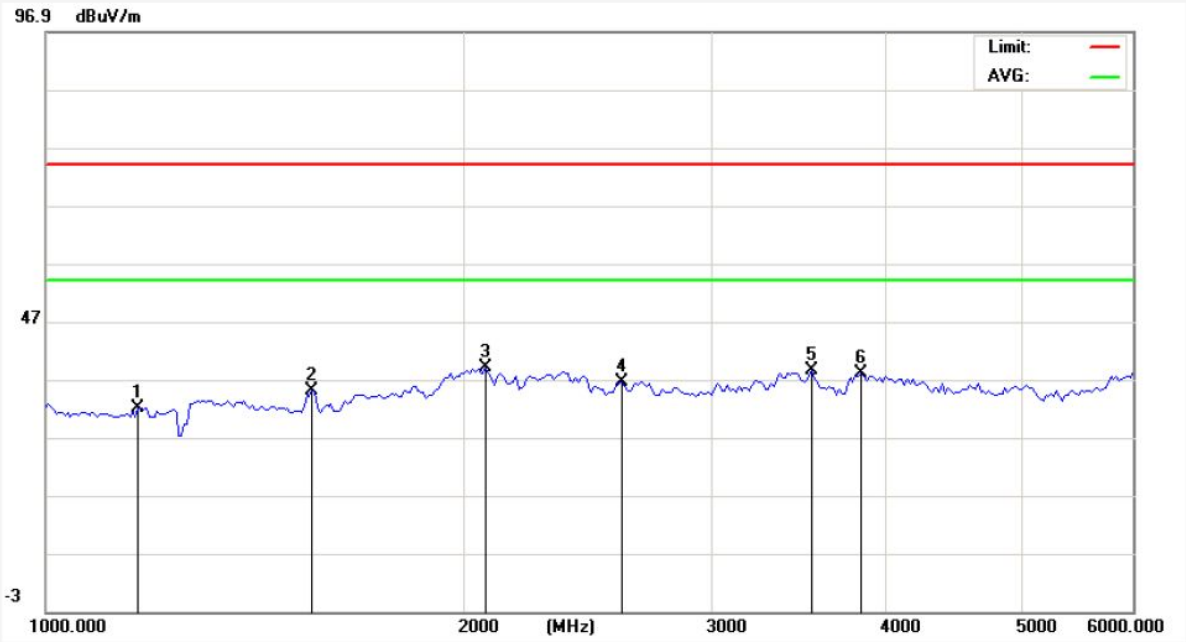

| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/ | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 44.2751 | 42.70 | -12.05 | 30.65 | 40.00 | -9.35 | peak | | | |
| 2 | 52.9453 | 48.13 | -14.78 | 33.35 | 40.00 | -6.65 | peak | | | |
| 3 | 59.8588 | 44.18 | -15.38 | 28.80 | 40.00 | -11.20 | peak | | | |
| 4 | 72.5916 | 41.17 | -20.12 | 21.05 | 40.00 | -18.95 | peak | | | |
| 5 | 123.2655 | 40.81 | -16.82 | 23.99 | 43.50 | -19.51 | peak | | | |
| 6 | 157.5588 | 42.89 | -17.98 | 24.91 | 43.50 | -18.59 | peak | | | |

| | | | |
|---|---|---|---|
| **Job No.:** | **011508603I** | **Polarization:** | **Horizontal** |
| **Standard:** | **(RE)FCC PART15 B _3m** | **Power Source:** | **AC 120V, 60Hz** |
| **Test item:** | **Radiation Test** | **Temp.(℃)/Hum.(%RH):** | **24.3( ℃)/55%RH** |
| **Mode:** | **On** | **Distance:** | **3m** |
| **Note:** | **1000-6000MHz** | | |




| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/ | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1087.500 | 48.85 | -6.76 | 42.09 | 74.00 | -31.91 | peak | | | |
| 2 | 1262.500 | 48.75 | -6.55 | 42.20 | 74.00 | -31.80 | peak | | | |
| 3 | 2162.500 | 47.82 | -3.02 | 44.80 | 74.00 | -29.20 | peak | | | |
| 4 | 2987.500 | 44.32 | 0.10 | 44.42 | 74.00 | -29.58 | peak | | | |
| 5 | 3587.500 | 42.13 | 1.03 | 43.16 | 74.00 | -30.84 | peak | | | |
| 6 | 3962.500 | 40.84 | 1.99 | 42.83 | 74.00 | -31.17 | peak | | | |

| | | | |
|---|---|---|---|
| **Job No.:** | **011508603I** | **Polarization:** | **Vertical** |
| **Standard:** | **(RE)FCC PART15 B _3m** | **Power Source:** | **AC 120V, 60Hz** |
| **Test item:** | **Radiation Test** | **Temp.(℃)/Hum.(%RH):** | **24.3( ℃)/55%RH** |
| **Mode:** | **On** | **Distance:** | **3m** |
| **Note:** | **1000-6000MHz** | | |

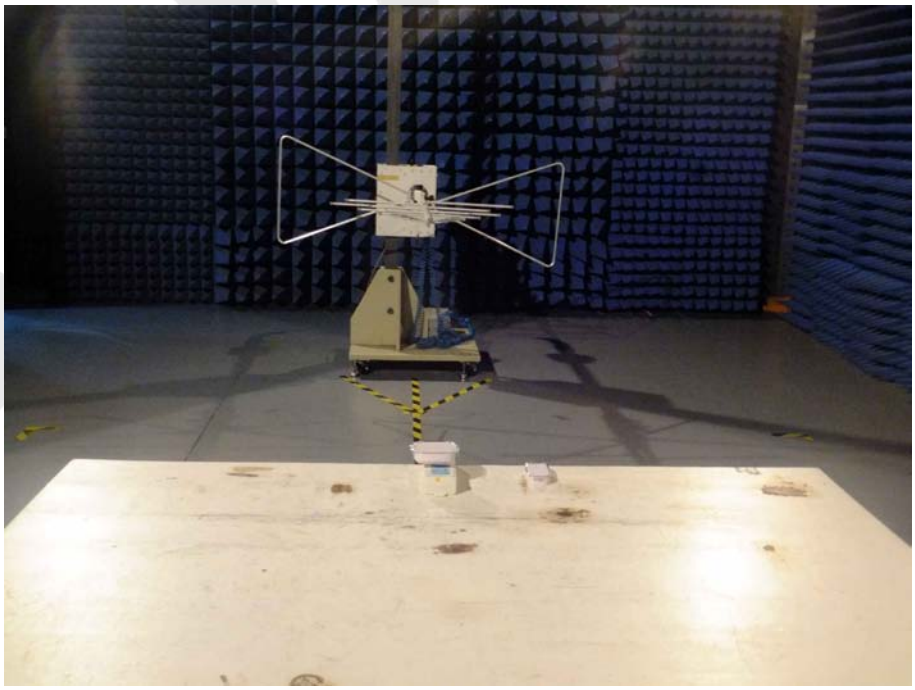


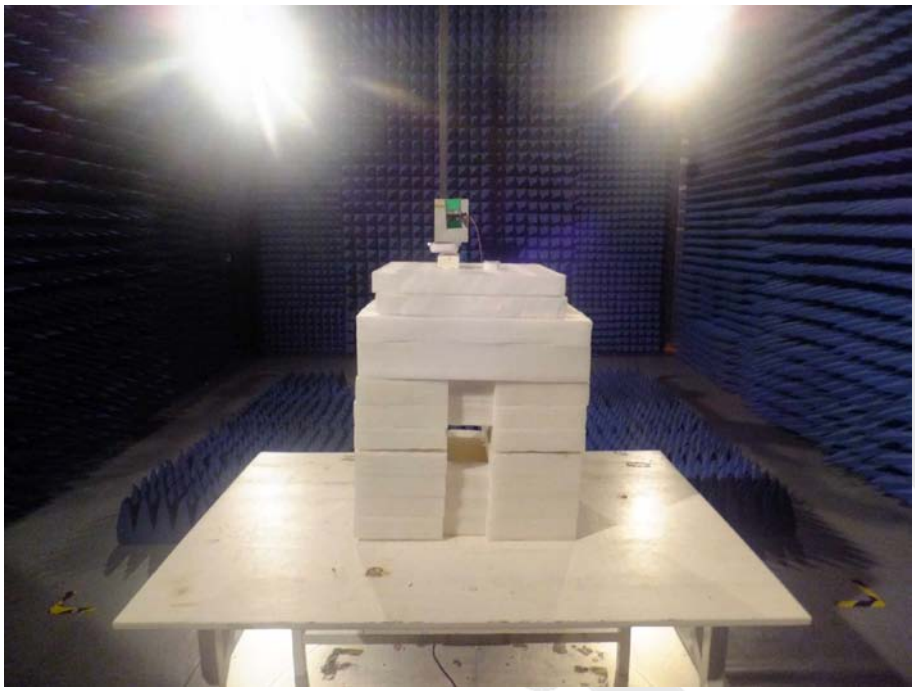

| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB/m) | Result (dBuV/m) | Limit (dBuV/ | Over Limit (dB) | Detector | Height (cm) | degree (deg) | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1164.509 | 38.64 | -6.67 | 31.97 | 74.00 | -42.03 | peak | | | |
| 2 | 1551.126 | 40.92 | -5.97 | 34.95 | 74.00 | -39.05 | peak | | | |
| 3 | 2075.000 | 42.12 | -3.21 | 38.91 | 74.00 | -35.09 | peak | | | |
| 4 | 2587.500 | 38.34 | -1.84 | 36.50 | 74.00 | -37.50 | peak | | | |
| 5 | 3537.500 | 37.57 | 0.90 | 38.47 | 74.00 | -35.53 | peak | | | |
| 6 | 3850.000 | 36.24 | 1.70 | 37.94 | 74.00 | -36.06 | peak | | | |

# 4. PHOTOGRAPH

## 4.1. Photo of Power Line Conducted Emission Test

## 4.2. Photo of Radiated Emission Test





# APPENDIX I (EXTERNAL PHOTOS)

Figure 1
The EUT-Top View

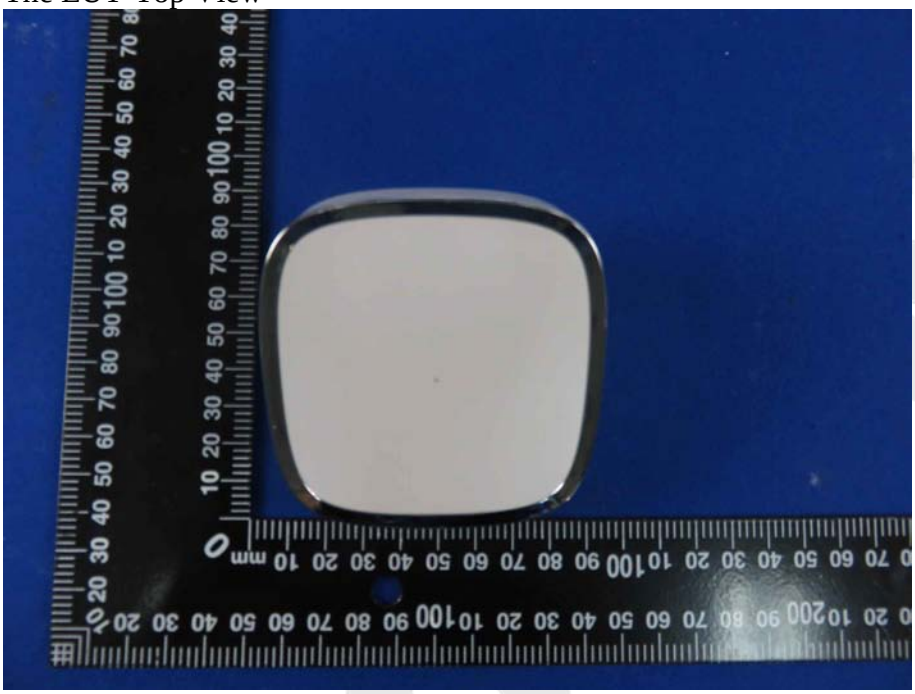


Figure 2
The EUT-Bottom View

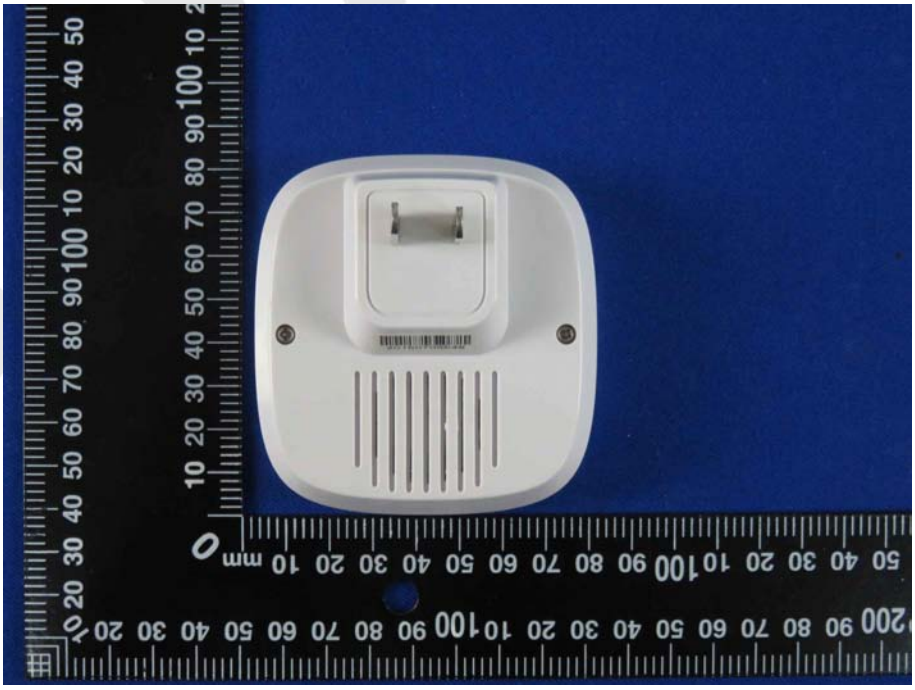


Figure 3
The EUT-Front View

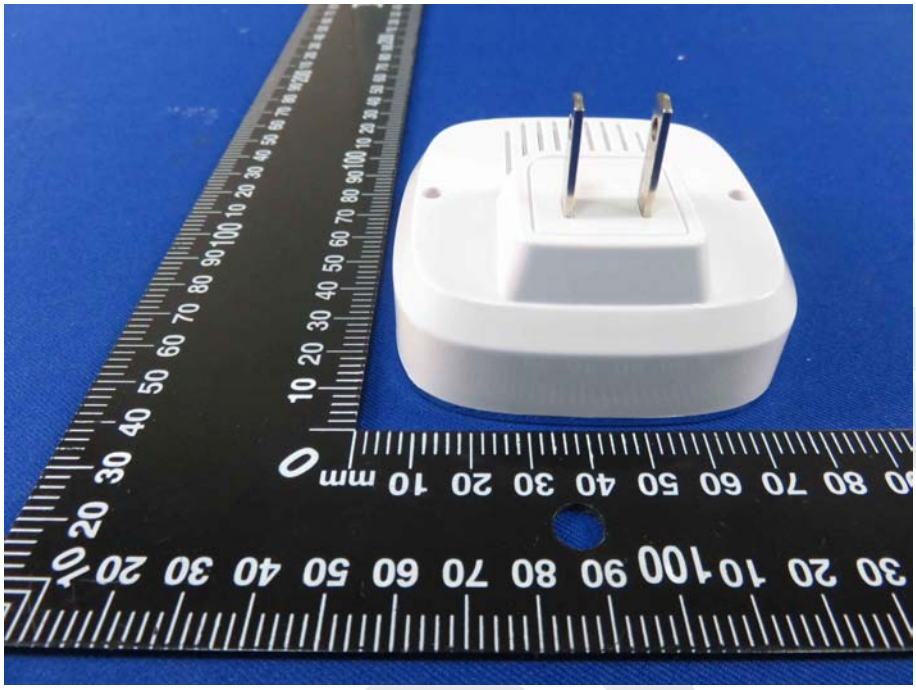


Figure 4
The EUT-Back View

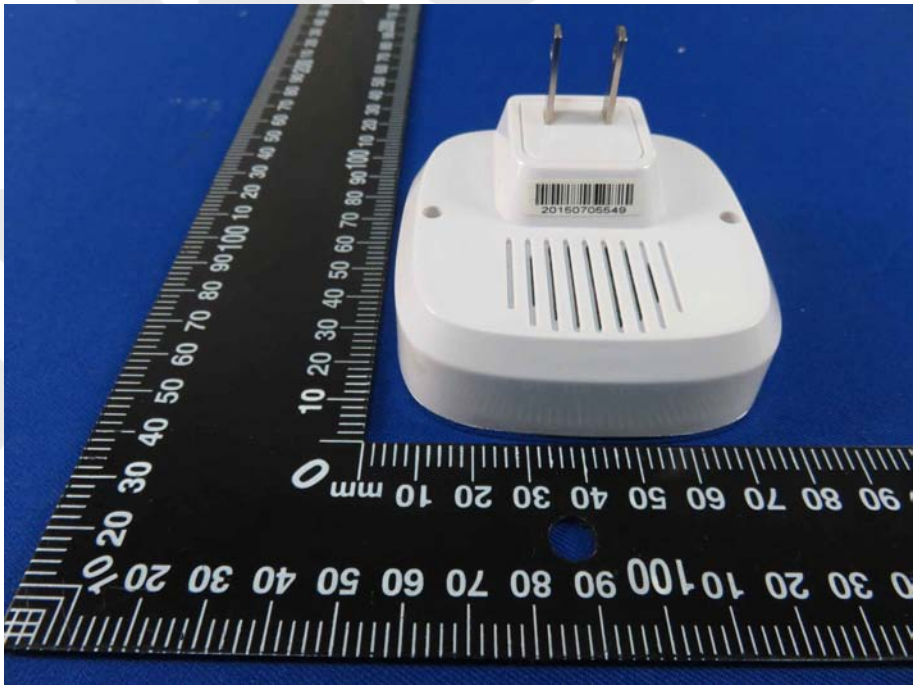


Figure 5
The EUT-Left View

Figure 6
The EUT-Right View

# APPENDIX Ⅱ(INTERNAL PHOTOS)

Figure 7
The EUT-Inside View

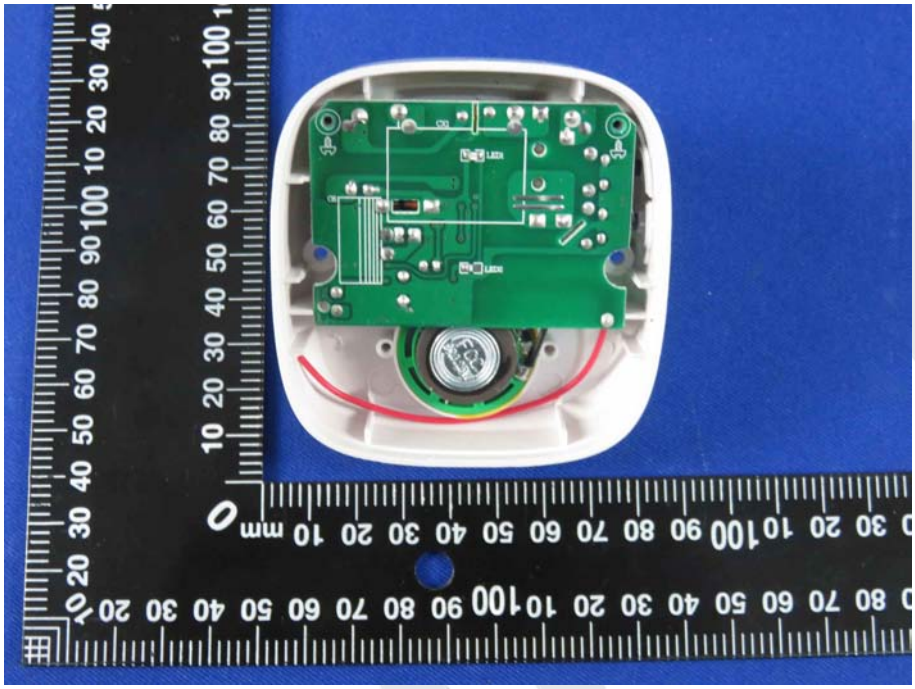


Figure 8
PCB of the EUT-Front View

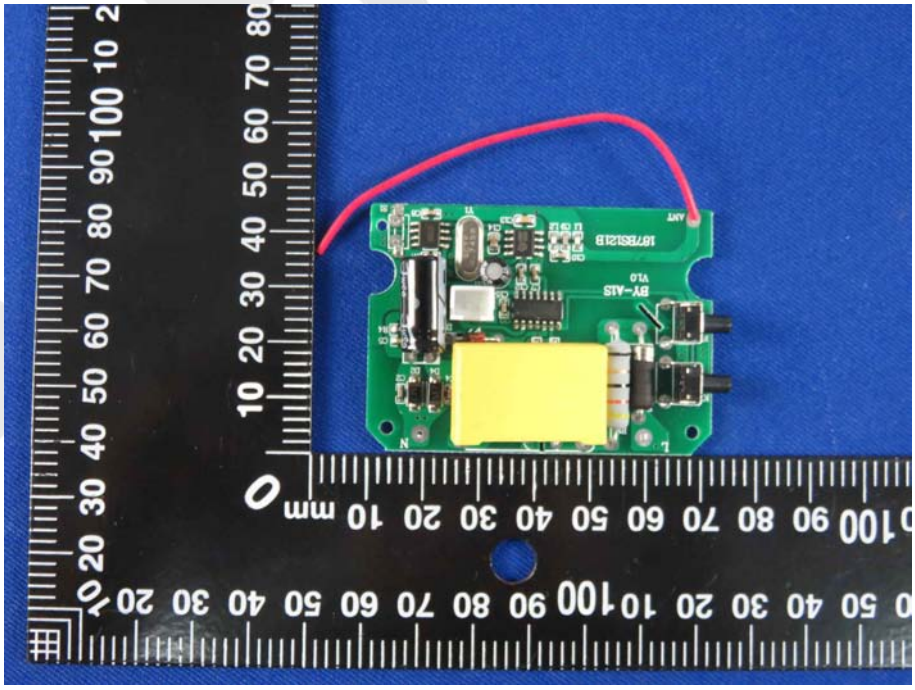


Figure 9
PCB of the EUT-Back View

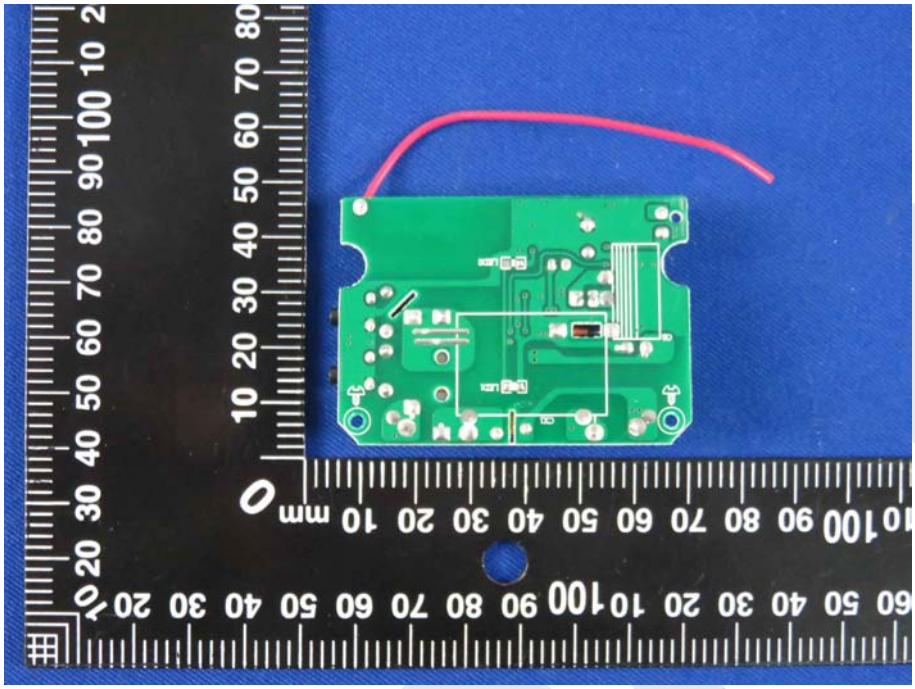


Figure 10
PCB of the EUT-Front View

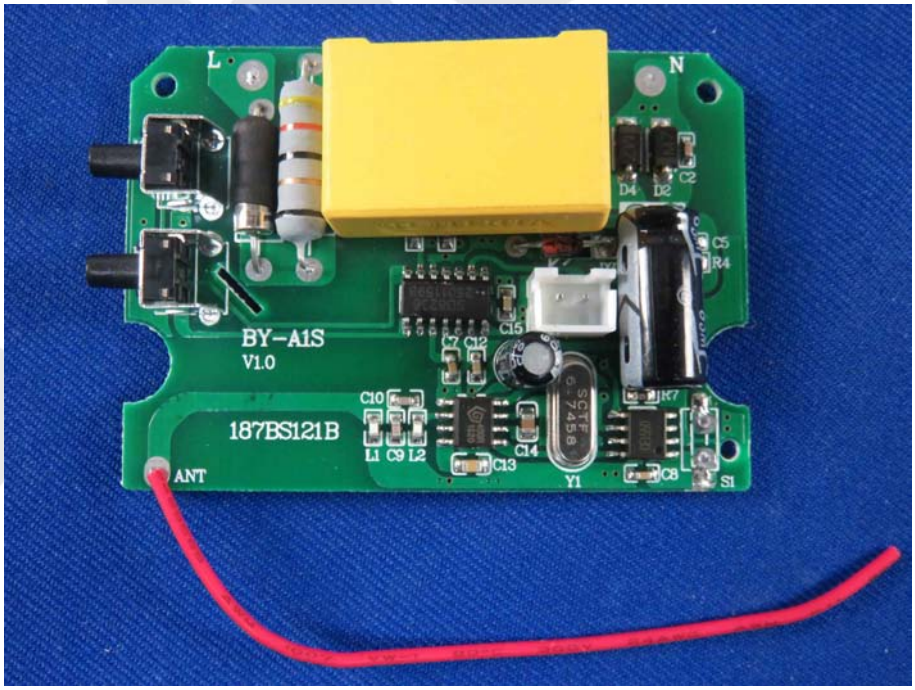


Figure 11
PCB of the EUT-Back View