

EMC TEST REPORT  
for

Huizhou Pinxu Industries Co., Ltd

Wired Standard Keyboard  
Model No.: 501, 502, 301, 302, 401C, 702

Prepared for : Huizhou Pinxu Industries Co., Ltd

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Report Number : R0117020722E-M1  
Date of Test : Feb. 24~27, 2017  
Date of Report : Feb. 27, 2017

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APPENDIX I (Photos of the EUT) (3 pages)

## TEST REPORT VERIFICATION

Applicant : Huizhou Pinxu Industries Co., Ltd  
Manufacturer : Huizhou Pinxu Industries Co., Ltd  
EUT : Wired Standard Keyboard  
Model No. : 501, 502, 301, 302, 401C, 702  
Rating : DC 5V, 30mA  
Trade Mark : N.A.

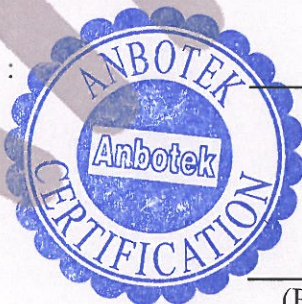
Measurement Procedure Used:  
EN 55032: 2015;  
EN 55024: 2010+A1: 2015;  
(IEC 61000-4-2; IEC 61000-4-3)

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the EN 55032 and EN 55024 requirements. The Project in IEC 61000-4-3 was tested in Shenzhen EMTEK Co., Ltd.

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

Date of Test : Feb. 24~27, 2017

Prepared by :



Baron Wen  
(Engineer/ Baron Wen)

Reviewer :

Abby Xiao  
(Project Manager/ Abby Xiao)

Approve & Authorized Signer :

Tom Chen  
(Manager/ Tom Chen)

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

EUT	: Wired Standard Keyboard
Model Number	: 501, 502, 301, 302, 401C, 702 (Note: All samples are the same except the model number & appearance, so we prepare “501” for EMC test only.)
Test Power Supply	: DC 5V via USB Port
Applicant	: Huizhou Pinxu Industries Co., Ltd
Address	: Pinxu Industry Zone, Baishi Village, Qiuchang Town, Huiyang District, Huizhou City, Guangdong Province, China
Manufacturer	: Huizhou Pinxu Industries Co., Ltd
Address	: Pinxu Industry Zone, Baishi Village, Qiuchang Town, Huiyang District, Huizhou City, Guangdong Province, China
Factory	: Huizhou Pinxu Industries Co., Ltd
Address	: Pinxu Industry Zone, Baishi Village, Qiuchang Town, Huiyang District, Huizhou City, Guangdong Province, China
Remark	: Once the new report takes into force, the original report withdraw. This report is based on original report R0117020722E. Both reports are the same except updated the report Address.



## 1.2. Auxiliary Equipment Used during Test

PC	<ul style="list-style-type: none"><li>: Manufacturer: DELL</li><li>M/N: Optiplex 3020 MT</li><li>S/N: CN-079V51-70163-4AD-089K-A00</li><li>Input Rating: AC 100-240V, 50-60Hz 5.4A</li><li>CE , FCC DOC, CCC</li></ul>
MONITOR	<ul style="list-style-type: none"><li>: Manufacturer: DELL</li><li>M/N: UZ2215Hf</li><li>S/N: CN-035VN6-72872-45A-A3AB</li><li>Input Rating: AC 100-240V, 50-60Hz, 1.5A</li><li>Output Rating: DC 19.5V, 4.62A</li><li>TUV-GS, FCC, CE, KCC, VCCI</li></ul>
MOUSE	<ul style="list-style-type: none"><li>: Manufacturer: DELL</li><li>M/N: MS111-T</li><li>S/N: CN-0KW2YH-71616-488-1CBJ</li><li>Input Rating: DC 5V,0.1A</li><li>Cable: 1.8m, unshielded</li><li>CE, FCC, VCCI, KCC, TUV-GS</li></ul>

### 1.3. Description of Test Facility

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

**FCC-Registration No.: 752021**

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Loads Commission. The acceptance letter from the FCC is maintained in our files. Registration 752021, July 06, 2016.

**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, June 13, 2016.

**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.

**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

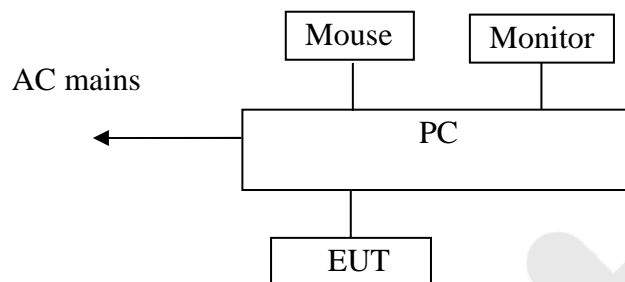
### 1.4. Measurement Uncertainty

Radiation Uncertainty	Ur = 4.1dB (Horizontal) Ur = 4.3dB (Vertical)
Conduction Uncertainty	Uc = 3.4 dB
Disturbance Uncertainty	Ud = 2.6 dB

### 1.5. Description of Test Mode

Pretest Mode	Description
Mode 1	On

For Mode 1 Block Diagram of Test Setup



### 1.6. Test Summary

Test Items	Test Mode	Status
Power Line Conducted Emission Test (150KHz To 30MHz)	Mode 1	P
Radiated Emission Test (30MHz To 1000MHz)	Mode 1	P
Harmonic Current Test	/	N
Voltage Fluctuations and Flicker Test	/	N
Electrostatic Discharge immunity Test	Mode 1	P
RF Field Strength susceptibility Test	Mode 1	P
Electrical Fast Transient/Burst Immunity Test	/	N
Surge Immunity Test	/	N
Injected Currents Susceptibility Test	/	N
Magnetic Field Susceptibility Test	/	N
Voltage Dips and Interruptions Test	/	N

P) Indicates that the through the test.

N) Don't test.



### 1.7. EMS Performance Criteria

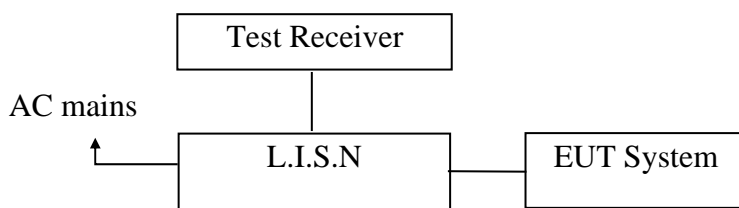
- √ A: Normal performance within the specification limits
- √ B: Temporary degradation or loss of function or performance which is self-recoverable
- √ C: Temporary degradation or loss of function or performance which requires operator intervention or system reset
- √ D: Degradation or loss of function which is not recoverable due to damage of equipment (components) or software, or loss of data

Note: The manufacturer's specification may define effects on the EUT which may be considered insignificant, and therefore acceptable.

This classification may be used as a guide in formulating performance criteria, by committees responsible for generic, product and product-family standards, or as a framework for the agreement on performance criteria between the manufacturer and the purchaser, for example where no suitable generic, product or product-family standard exists.

## 2. POWER LINE CONDUCTED EMISSION TEST

### 2.1. Block Diagram of Test Setup



### 2.2. Measuring Standard

EN 55032

### 2.3. Power Line Conducted Emission Limits

Frequency (MHz)	Limit (dB $\mu$ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0 ~ 56.0 *	56.0 ~ 46.0 *
0.50 ~ 5.00	56.0	46.0
5.00 ~ 30.00	60.0	50.0

NOTE1-The lower limit shall apply at the transition frequencies.  
NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

### 2.4. EUT Configuration on Measurement

The following equipments are installed on conducted emission measurement to meet EN 55032 requirements and operating 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 as shown on Section 2.1.

2.5.2. Turn on the Power of all equipments.

2.5.3. Let the EUT work in measuring mode and measure it.

### 2.6. Test Procedure

The EUT is put on the plane 0.8 m high above the ground by insulating support and connected to the AC mains through Line Impedance Stability Network(L.I.S.N). This provided a 50ohm coupling impedance for the tested equipments. Both sides of

AC line are investigated to find out the maximum conducted emission according to the EN55032 regulations during conducted emission measurement.

The bandwidth of the field strength meter (R&S Test Receiver ESCI) is set at 9kHz in 150kHz~30MHz.

The frequency range from 150kHz to 30MHz is investigated for AC mains.

The test results are listed in Section 2.8.

## 2.7. 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	Jul. 19, 2016	1 Year
2.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Jun. 17, 2016	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Jun. 17, 2016	1 Year

## 2.8. Measuring Results

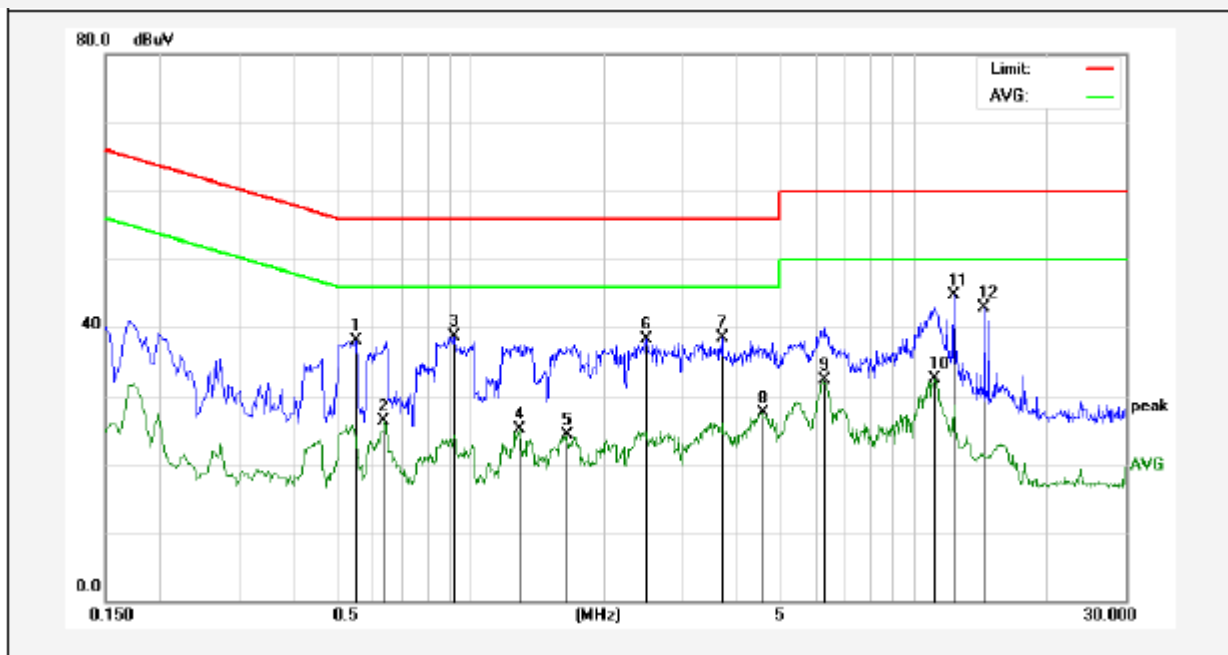
**PASS**

The frequency range 150KHz to 30MHz is investigated

The test curves are shown in the following pages.

# **CONDUCTED EMISSION TEST DATA**

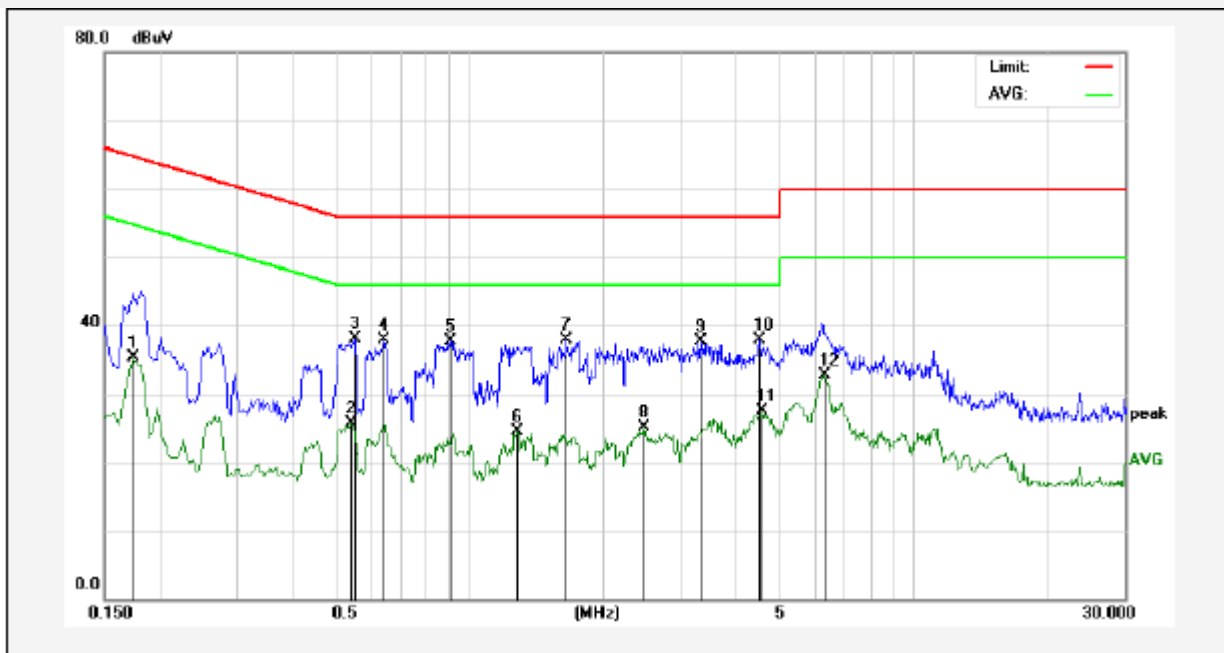
Test Site: 1# Shielded Room  
Test Specification: DC 5V via USB Port  
Comment: L  
Temp.: 22.2°C Hum.: 60%



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.5540	18.16	20.00	38.16	56.00	-17.84	QP	
2	0.6419	6.20	20.02	26.22	46.00	-19.78	AVG	
3	0.9220	18.58	20.10	38.68	56.00	-17.32	QP	
4	1.2900	4.91	20.13	25.04	46.00	-20.96	AVG	
5	1.6460	4.26	20.13	24.39	46.00	-21.61	AVG	
6	2.4900	18.11	20.15	38.26	56.00	-17.74	QP	
7	3.6900	18.27	20.17	38.44	56.00	-17.56	QP	
8	4.5620	7.32	20.19	27.51	46.00	-18.49	AVG	
9	6.2460	11.97	20.24	32.21	50.00	-17.79	AVG	
10	11.1020	12.23	20.32	32.55	50.00	-17.45	AVG	
11	12.3060	24.45	20.30	44.75	60.00	-15.25	QP	
12	14.4340	22.55	20.27	42.82	60.00	-17.18	QP	

## CONDUCTED EMISSION TEST DATA

Test Site: 1# Shielded Room  
Test Specification: DC 5V via USB Port  
Comment: N  
Temp.: 22.2°C Hum.: 60%

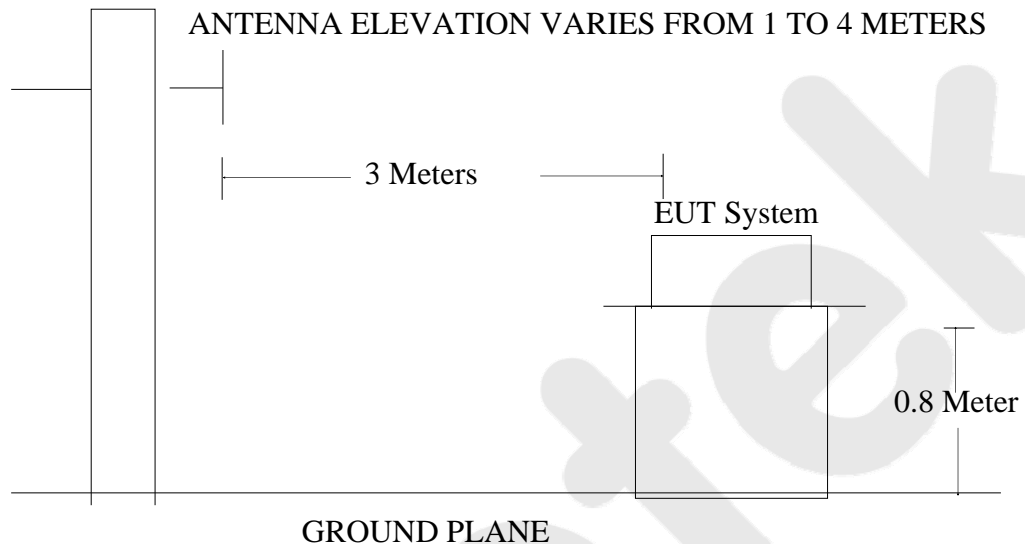


No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Over Limit (dB)	Detector	Remark
1	0.1740	15.50	19.90	35.40	54.76	-19.36	AVG	
2	0.5420	5.80	19.99	25.79	46.00	-20.21	AVG	
3	0.5540	18.07	20.00	38.07	56.00	-17.93	QP	
4	0.6419	17.90	20.02	37.92	56.00	-18.08	QP	
5	0.9060	17.61	20.09	37.70	56.00	-18.30	QP	
6	1.2860	4.30	20.13	24.43	46.00	-21.57	AVG	
7	1.6580	17.77	20.13	37.90	56.00	-18.10	QP	
8	2.4620	5.02	20.15	25.17	46.00	-20.83	AVG	
9	3.3220	17.45	20.17	37.62	56.00	-18.38	QP	
10	4.5100	17.63	20.19	37.82	56.00	-18.18	QP	
11	4.5939	7.21	20.20	27.41	46.00	-18.59	AVG	
12	6.2860	12.49	20.24	32.73	50.00	-17.27	AVG	

### 3. RADIATED EMISSION TEST

#### 3.1. Block Diagram of Test

##### 3.1.1. Block diagram of test setup (In chamber)



#### 3.2. Measuring Standard

EN 55032

#### 3.3. Radiated Emission Limits

All emanations from an EN 55032 device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMIT (dB $\mu$ V/m)
30 ~ 230	3	40
230 ~ 1000	3	47

- Note:
- (1) The smaller limit shall apply at the combination point 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 EUT.

#### 3.4. EUT Configuration on Test

The EN 55032 regulations test method must be used to find the maximum emission during radiated emission measurement.



### 3.5. Operating Condition of EUT

3.5.1. Turn on the Power .

3.5.2. Let the EUT work in measuring mode and measure it.

### 3.6. Test Procedure

The EUT is placed on a turn table which is 0.8 meter high above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Bilog antenna is used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

The bandwidth of the Receiver (ESCI) is set at 120kHz.

The EUT is tested in 9\*6\*6 Chamber.

The test results are listed in Section 3.8.

### 3.7. Test Equipment

The following test equipments are used during radiated emission measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESPI	101604	Jun. 17, 2016	1 Year
2.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	May 06, 2016	1 Year
3.	Pre-amplifier	SONOMA	310N	186860	Jun. 17, 2016	1 Year

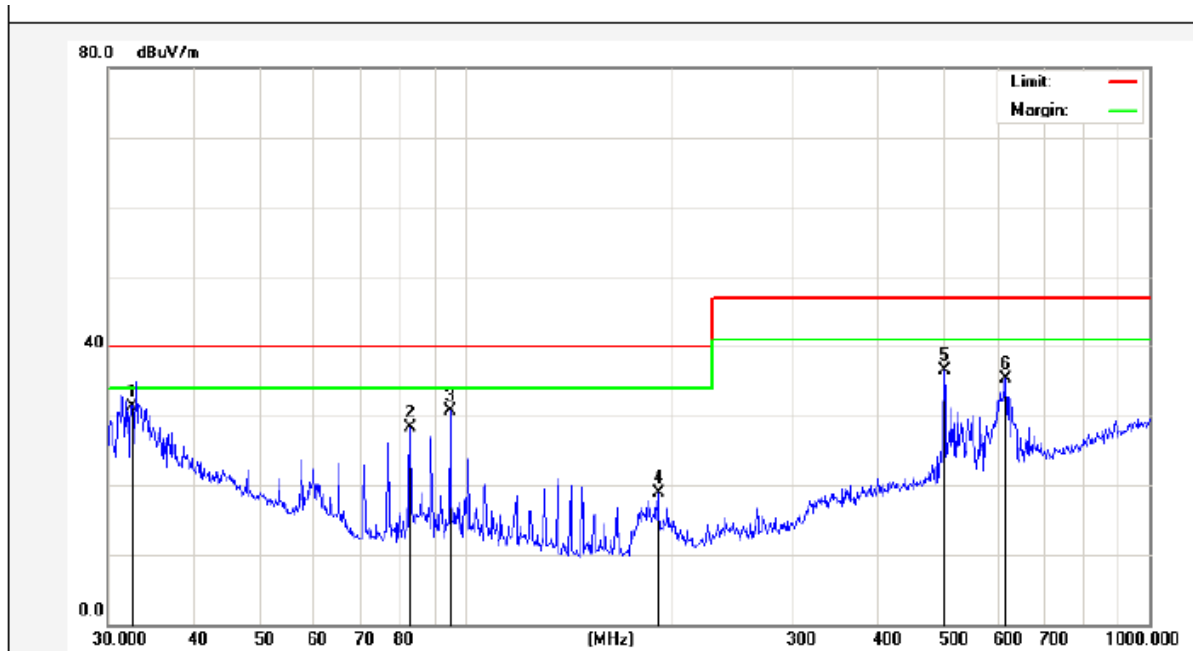
### 3.8. Measuring Results

**PASS**

The frequency range from 30MHz to 1000MHz is investigated.

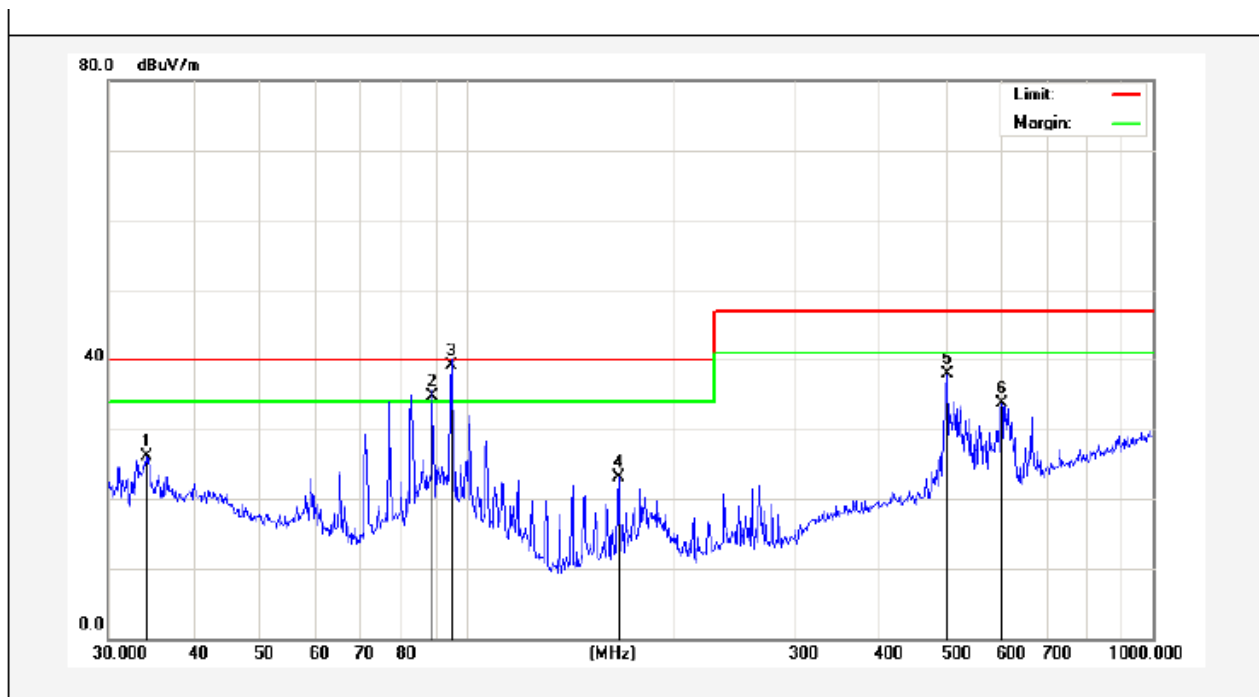
The test curves are shown in the following pages.

Test item: Radiation Test Polarization: Vertical  
Standard: (RE)EN 55032 Power Source: DC 5V via USB Port  
Distance: 3m Temp.(°C)/Hum.(%RH): 24.3( °C)/55%RH  
Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	32.4990	46.89	-15.62	31.27	40.00	-8.73	QP	100	0	
2	82.9385	47.28	-19.02	28.26	40.00	-11.74	peak			
3	94.7601	46.75	-16.10	30.65	40.00	-9.35	peak			
4	191.0738	34.83	-15.92	18.91	40.00	-21.09	peak			
5	501.1790	47.53	-10.94	36.59	47.00	-10.41	peak			
6	616.3718	44.35	-9.11	35.24	47.00	-11.76	peak			

Test item:	Radiation Test	Polarization:	Horizontal
Standard:	(RE)EN 55032	Power Source:	DC 5V via USB Port
Distance:	3m	Temp.(°C)/Hum.(%RH):	24.3( °C)/55%RH
Note:			

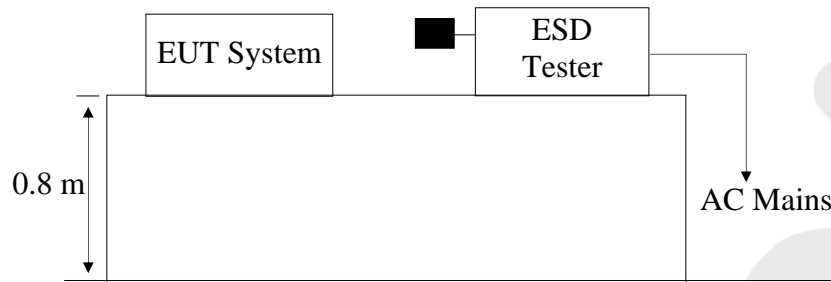


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	34.1561	40.79	-14.74	26.05	40.00	-13.95	peak			
2	88.9739	57.08	-22.37	34.71	40.00	-5.29	QP	300	360	
3	94.9301	60.16	-21.05	39.11	40.00	-0.89	QP	300	0	
4	166.0680	45.75	-22.68	23.07	40.00	-16.93	peak			
5	501.1790	48.80	-10.96	37.84	47.00	-9.16	peak			
6	601.4265	44.82	-11.20	33.62	47.00	-13.38	peak			

## 4. ELECTROSTATIC DISCHARGE IMMUNITY TEST

### 4.1. Block Diagram of Test Setup

#### 4.1.1. Block diagram of test setup



### 4.2. Measuring Standard

EN 55024 (IEC 61000-4-2)

Severity Level: 3 / Air Discharge:  $\pm 8\text{kV}$  Level: 2 / Contact Discharge:  $\pm 4\text{kV}$

### 4.3. Severity Levels and Performance Criterion

#### 4.3.1. Severity level

Level	Test Voltage Contact Discharge (kV)	Test Voltage Air Discharge (kV)
1.	$\pm 2$	$\pm 2$
2.	$\pm 4$	$\pm 4$
3.	$\pm 6$	$\pm 8$
4.	$\pm 8$	$\pm 15$
X	Special	Special

#### 4.3.2. Performance criterion: **B**

### 4.4. EUT Configuration

The following equipments are installed on electrostatic discharge immunity measurement to meet EN 55024 requirements and operating in a manner which tends to maximize its emission characteristics in a normal application.

### 4.5. Operating Condition of EUT

Same as conducted emission measurement, which is listed in Section 2.5 except the test set up replaced by Section 4.1.

#### 4.6. Test Procedure

##### 4.6.1. Air Discharge:

This test is done on a non-conductive surface. The round discharge tip of the discharge electrode shall be approached as fast as possible to touch the EUT. After each discharge, the discharge electrode shall be removed from the EUT. The generator is then re-triggered for a new single discharge and repeated 100 times for each pre-selected test point. This procedure shall be repeated until all the air discharge completed

##### 4.6.2. Contact Discharge:

All the procedure shall be same as Section 4.6.1. except that the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

##### 4.6.3. Indirect discharge for horizontal coupling plane

At least 50 single discharges shall be applied to the horizontal coupling plane, at points on each side of the EUT. The discharge electrode positions vertically at a distance of 0.1m from the EUT and with the discharge electrode touching the coupling plane.

##### 4.6.4. Indirect discharge for vertical coupling plane

At least 50 single discharge shall be applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m X 0.5m, is placed parallel to, and positioned at a distance of 0.1m from the EUT. Discharges shall be applied to the coupling plane, with this plane in sufficient different positions that the four faces of the EUT are completely illuminated.

#### 4.7. Test Equipment

The following test equipments are used during the Electrostatic Discharge measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	ESD Simulators	3ctest	ESD-30T	ES0131507	Jun. 20, 2016	1 Year

#### 4.8. Measuring Results

**PASS**

Please refer to the following pages

## Electrostatic Discharge Test Results

Shenzhen Anbotek Compliance Laboratory Limited

Air discharge :  $\pm 8.0\text{kV}$

Temperature :  $25^{\circ}\text{C}$

Contact discharge:  $\pm 4.0\text{kV}$

Humidity : 54%

Power Supply : DC 5V via USB Port

Criterion required : B

Test Result: ☒ Pass ☐ Fail

Number of discharge : 25

Location		Kind A-Air Discharge C-Contact Discharge	Result
Slot of the EUT	4 points	A	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
Others	4 points	A	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
USB Port	2 points	A	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
Function Keys	6 points	A	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
HCP	4 points	C	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
VCP of front	4 points	C	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
VCP of rear	4 points	C	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
VCP of left	4 points	C	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
VCP of right	4 points	C	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D

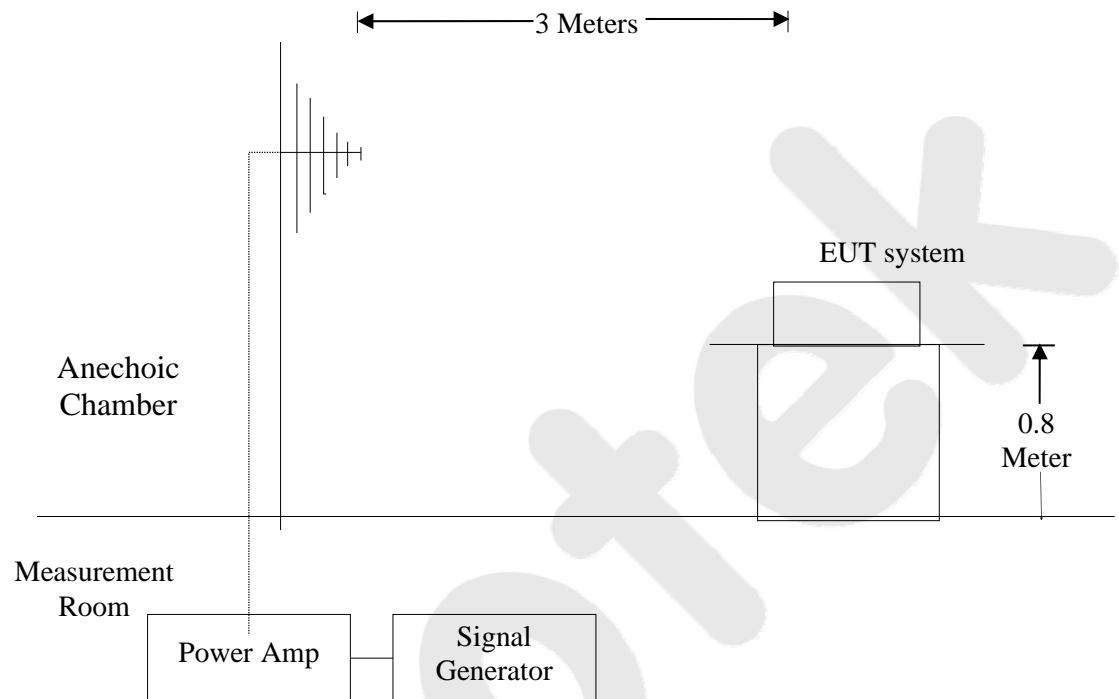
Note: Discharge should be considered on Contact and Air and Horizontal Coupling Plane (HCP) and Vertical Coupling Plane (VCP).



## 5. RF FIELD STRENGTH SUSCEPTIBILITY TEST

### 5.1. Block Diagram of Test

#### 5.1.1. Block diagram of RS test setup



### 5.2. Measuring Standard

EN 55024 (IEC 61000-4-3)  
Severity Level: 2, 3V / m

### 5.3. Severity Levels and Performance Criterion

#### 5.3.1. Severity Levels

Level	Field Strength V/m
1.	1
2.	3
3.	10
X	Special

#### 5.3.2. Performance Criterion: A

### 5.4. EUT Configuration on Test

The following equipments are installed on RF Field Strength susceptibility Measurement to meet EN 55024 requirements and operating in a manner which tends to maximize its emission characteristics in a normal application.

### 5.5. Operating Condition of EUT

Same as conducted emission measurement which is listed in Section 2.5. except the test setup replaced as Section 5.1.

### 5.6. Test Procedure

The EUT are placed on a table which is 0.8 meter high above the ground. The EUT is set 3 meters away from the transmitting antenna which is mounted on an antenna tower. Both horizontal and vertical polarization of the antenna are set on test. Each of the four sides of the EUT must be faced this transmitting antenna and measured individually.

In order to judge the EUT performance, a CCD camera is used to monitor its screen. All the scanning conditions are as following:

Condition of Test	Remark
1. Fielded Strength	3V/m (Severity Level 2)
2. Radiated Signal	Unmodulated
3. Scanning Frequency	80-1000MHz
4. Sweep time of radiated	0.0015 Decade/s
5. Dwell Time	1 Sec.

### 5.7. Test Equipment

The following test equipments are used during the R/S (Shenzhen EMTEK) measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	RF Power Meter. Dual Channel	BOONTON	4232A	10539	May 29, 2016	1 year
2.	50ohm Diode Power Sensor	BOONTON	51011EMC	34236/34238	May 29, 2016	1 year
3.	Broad-Band Horn Antenna	SCHWARZBECK	BBHA9120 L3F	332	May 29, 2016	1 year
4.	Power Amplifier	PRANA	AP32MT215	N/A	May 29, 2016	1 year
5.	Power Amplifier	MILMEGA	AS0102-55	N/A	May 29, 2016	1 year
6.	Signal Generator	AEROFLEX	2023B	N/A	May 29, 2016	1 year
7.	Field Strength Meter	HOLADAY	HI-6005	N/A	May 29, 2016	1 year
8.	RS232 Fiber Optic Modem	HOLADAY	HI-4413P	N/A	May 29, 2016	1 year
9.	Log.-Per. Antenna	SCHWARZBECK	VULP 9118E	N/A	May 29, 2016	1 year

### 5.8. Measuring Results

**PASS**

Please refer to the following page.

## RF Field Strength Susceptibility Test Results

Shenzhen Anbotech Compliance Laboratory Limited

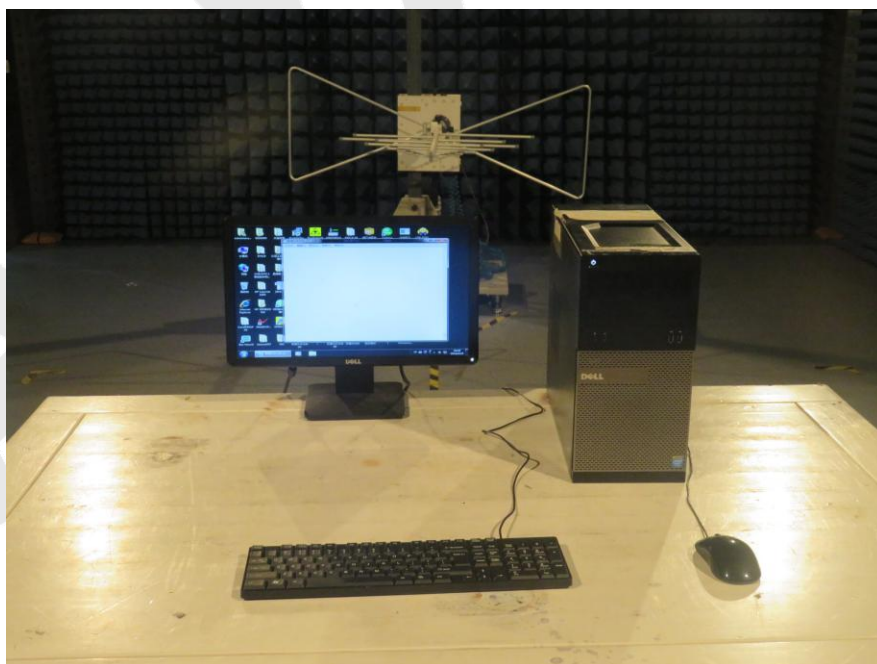
Field Strength:	3 V/m		Temperature	: 25°C	
Criterion	: A		Humidity	: 54%	
Power Supply :	DC 5V via USB Port		Frequency Range:	80 MHz to 1000 MHz	
Test Result :	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail				
Modulation: <input type="checkbox"/> None <input type="checkbox"/> Pulse <input checked="" type="checkbox"/> AM 1KHz 80%					
	Frequency Rang 1: 80~ 1000MHz			Result	
Steps	#	/	%		
	Horizontal		Vertical		
Front	3 V/m		3 V/m	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	
Right	3 V/m		3 V/m	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	
Rear	3 V/m		3 V/m	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	
Left	3 V/m		3 V/m	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	
Note: The Project was tested in Shenzhen EMTEK Co., Ltd.					

## 6. PHOTOGRAPHS

### 6.1. Photo of Power Line Conducted Emission Test



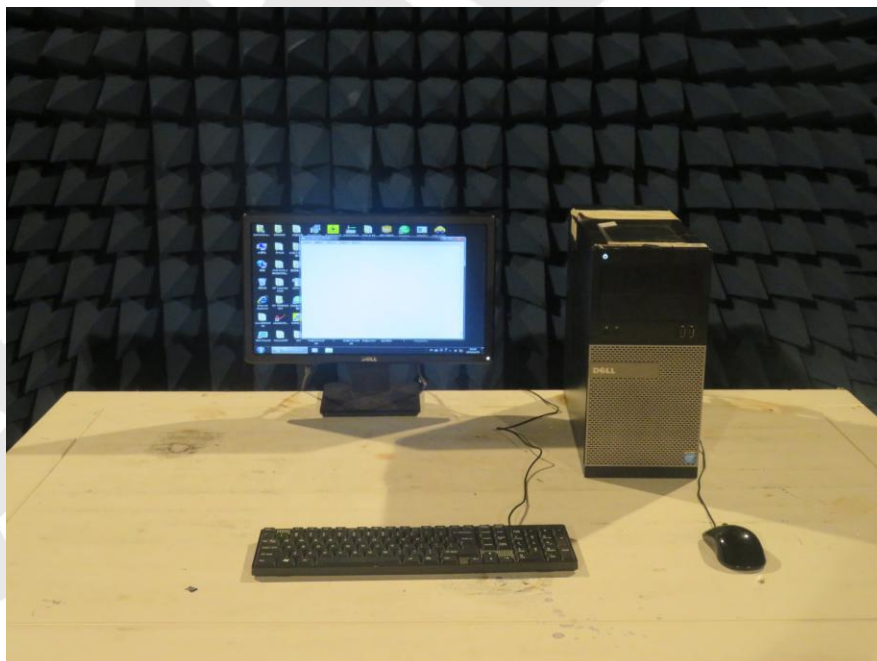
### 6.2. Photo of Radiated Emission Test



#### 6.2. Photo of Electrostatic Discharge Test



#### 6.4. Photo of RF Field Strength susceptibility Test



## APPENDIX I (Photos of EUT)



Figure 1  
The EUT- Overall View (Model: 501, 502)



Figure 2  
The EUT- Overall View (Model: 501, 502)



Figure 3  
The EUT- Top View (Model: 501)



Figure 4  
The EUT- Bottom View (Model: 501)





Figure 5  
PCB of The EUT- Front View (Model: 501)

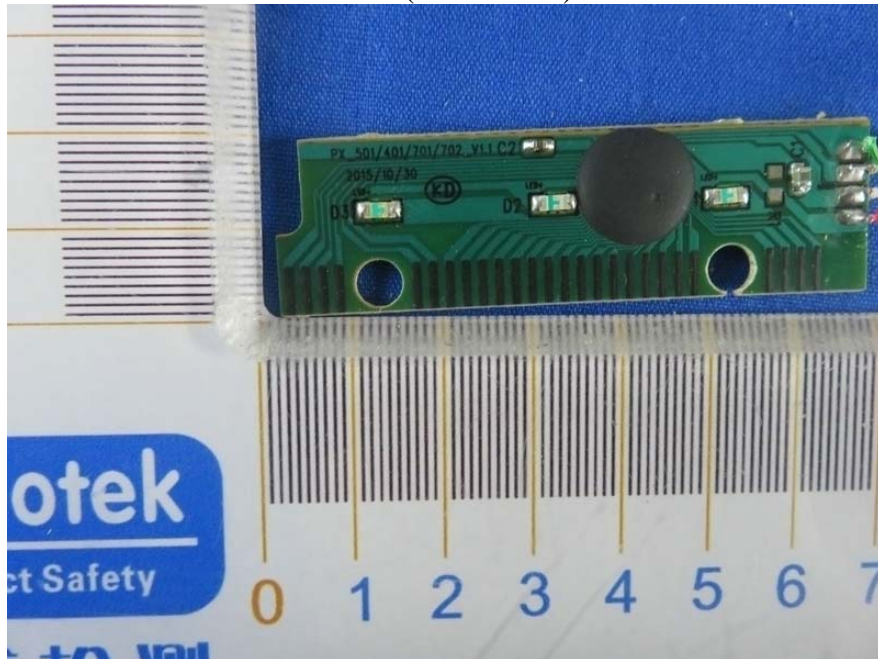
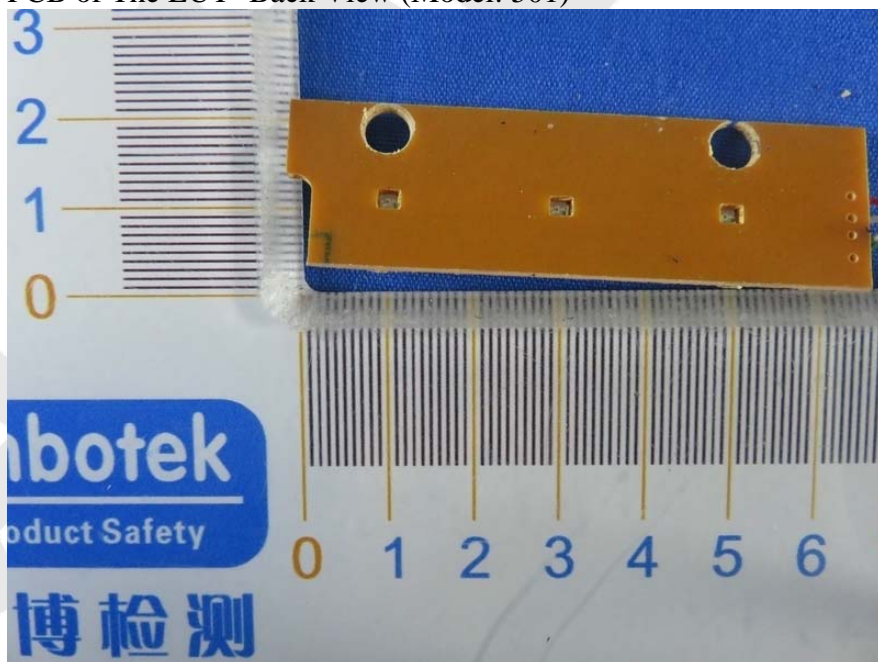


Figure 6  
PCB of The EUT- Back View (Model: 501)



### **CE Label**

1. The CE conformity marking must consist of the initials 'CE' taking the following form:  
If the CE marking is reduced or enlarged, the proportions given in the above graduated drawing must be respected.
2. The CE marking must have a height of at least 5 mm except where this is not possible on account of the nature of the apparatus.
3. The CE marking must be affixed to the product or to its data plate. Additionally it must be affixed to the packaging, if any, and to the accompanying documents.
4. The CE marking must be affixed visibly, legibly and indelibly.  
It must have the same height as the initials 'CE'.