


## TEST REPORT

|           |   |
|-----------|---|
| Applicant | Flashbay Electronics  |
| Address   | Blgd b & C Xi Feng Cheng IND Zone, No.2 FuYuan Road He Ping, Village, FuYong Town, ShenZhen |

|                                     |   |  |
|-------------------------------------|---|--|
| Manufacturer or Supplier            | Flashbay Electronics  |  |
| Address                             | Blgd b & C Xi Feng Cheng IND Zone, No.2 FuYuan Road He Ping, Village, FuYong Town, ShenZhen |  |
| Product                             | FOTO Power Bank   |  |
| Brand Name                          | N/A   |  |
| Model                               | FT  |  |
| Additional Model & Model Difference | N/A   |  |
| Date of tests                       | Jul. 19, 2016 ~ Aug. 11, 2016   |  |

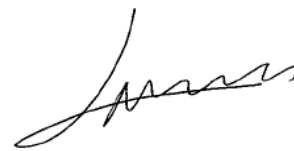
The submitted sample of the above equipment has been tested according to the requirements of the following standards:

**AS/NZS CISPR 22:2009 + A1:2010**

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Ryan Lu  
Project Engineer / EMC Department

Approved by Madison Luo  
Supervisor / EMC Department

Date: Aug. 11, 2016

This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification



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**BUREAU**  
**VERITAS**

Test Report No.: C160719N014

## RELEASE CONTROL RECORD

| ISSUE NO.   | REASON FOR CHANGE | DATE ISSUED   |
|-------------|-------------------|---------------|
| C160719N014 | Original release  | Aug. 11, 2016 |



# 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| EMISSION                          |                                 |        |   |
|-----------------------------------|---------------------------------|--------|---|
| Standard                          | Test Type                       | Result | Remarks   |
| AS/NZS CISPR<br>22:2009 + A1:2010 | Conducted<br>Emission Test      | PASS   | Minimum passing margin is<br>-14.87 dB at 0.18123 MHz |
|                                   | Radiated Test<br>(30MHz ~ 1GHz) | PASS   | Minimum passing margin is<br>-3.20 dB at 96.700MHz    |

## 1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

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

| MEASUREMENT         | FREQUENCY       | UNCERTAINTY |
|---------------------|-----------------|-------------|
| Conducted emissions | 0.15MHz ~ 30MHz | + /-2.70 dB |
| Radiated emissions  | 30MHz ~ 1000MHz | +/- 4.06 dB |



## 2 GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

|  |   |
|--|---|
| <b>PRODUCT OF EUT</b>                  | FOTO Power Bank                               |
| <b>MODEL NO.</b>                       | FT  |
| <b>ADDITIONAL MODEL</b>                | N/A   |
| <b>POWER SUPPLY</b>                    | DC 5V from USB or DC 3.7V from Li-ion battery |
| <b>DATA CABLE SUPPLIED</b>             | N/A   |
| <b>THE HIGHEST OPERATING FREQUENCY</b> | Below 108MHz                                  |

#### NOTE:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was showed in test report.
3. Please refer to the EUT photo document (Reference No.: 160719N014) for detailed product photo.

## 2.2 DESCRIPTION OF TEST MODES

The EUT were tested under the following modes, the final worst mode was marked in boldface and recorded in this report.

### ◆ For Conducted Emission Test

| Test Mode              |
|------------------------|
| Charging               |
| Charging + Discharging |

### ◆ FOR RADIATED EMISSIONS TEST:

| Test Mode                     |
|-------------------------------|
| Charging                      |
| Discharging                   |
| <b>Charging + Discharging</b> |

## 2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an dependent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| NO. | PRODUCT  | BRAND  | MODEL NO.        | SERIAL NO.          | FCC ID |
|-----|----------|--------|------------------|---------------------|--------|
| 1   | Notebook | DELL   | E6420            | 9H12FS1             | N/A    |
| 2   | Notebook | Lenovo | E430             | MP-0DN27            | N/A    |
| 3   | Printer  | HP     | hp LaserJet 1300 | CNSJF75989          | N/A    |
| 4   | Printer  | Lenovo | LJ2200L          | LP02857415 48001408 | N/A    |
| 5   | Mouse    | HP     | SC105            | N/A                 | N/A    |

| NO. | DESCRIPTION OF THE ABOVE SUPPORT UNITS                                      |
|-----|---|
| 1   | AC Line: Unshielded, Detachable 1.0m, DC Line: Unshielded, Detachable 2.0m  |
| 2   | AC Line: Unshielded, Detachable 1.5m, DC Line: Unshielded, Detachable 1.5m  |
| 3   | AC Line: Unshielded, Detachable 1.8m, USB Line: Unshielded, Detachable 1.8m |
| 4   | AC Line: Unshielded, Detachable 1.5m, USB Line: Unshielded, Detachable 1.5m |
| 5   | USB Line: Unshielded, Detachable 1.5m                                       |



### 3 EMISSION TEST

#### 3.1 CONDUCTED EMISSION MEASUREMENT (AS/NZS CISPR 22)

##### 3.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

###### TEST STANDARD: AS/NZS CISPR 22

| 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 of 0.15 to 0.50 MHz.
  - (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

##### 3.1.2 TEST INSTRUMENTS

| Equipment                | Manufacturer  | Model No.           | Serial No.  | Last Cal.  | Next Cal.  |
|--------------------------|---------------|---------------------|-------------|------------|------------|
| EMI Test Receiver        | Rohde&Schwarz | ESR7                | 101588      | Jan. 22,16 | Jan. 21,17 |
| Artificial Mains Network | Rohde&Schwarz | ENV216              | 101173      | Mar. 04,16 | Mar. 03,17 |
| Artificial Mains Network | Rohde&Schwarz | ESH3-Z5             | 100317      | Apr. 05,16 | Apr. 04,17 |
| Voltage probe            | SCHWARZBECK   | TK 9421             | TK 9421-176 | Jan. 08,16 | Jan. 07,17 |
| Test software            | ADT           | ADT_Cond_V<br>7.3.7 | N/A         | N/A        | N/A        |

- NOTE:**
1. The test was performed at Shielded Room 553.
  2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



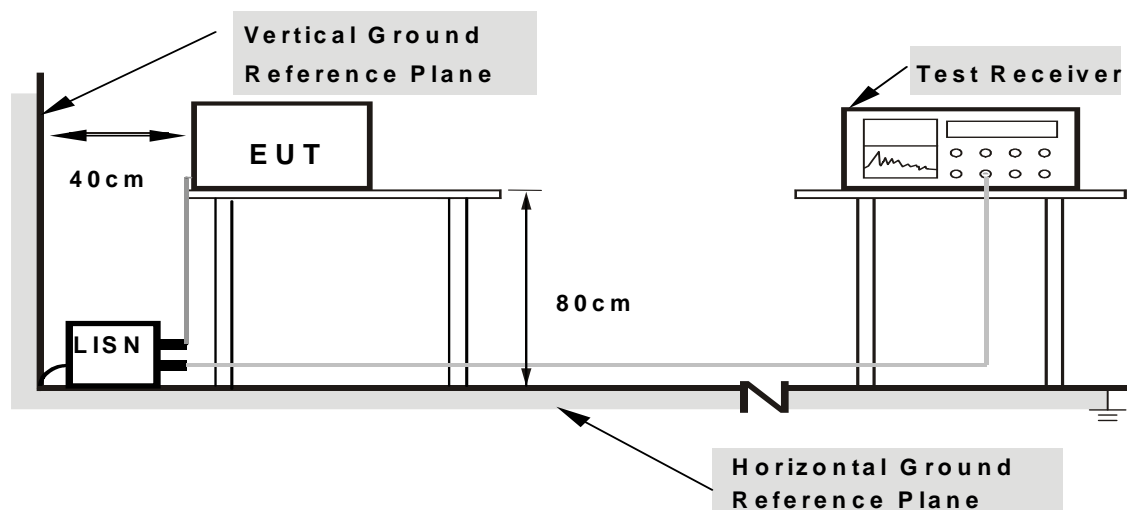
### 3.1.3 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line artificial mains network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

### 3.1.4 DEVIATION FROM TEST STANDARD

No deviation.

### 3.1.5 TEST SETUP



**Note: 1.Support units were connected to second LISN.**

**2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes**

### 3.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power of all equipment.
- b. EUT was operated according to the type description in manufacturer's specifications or the User's Manual.



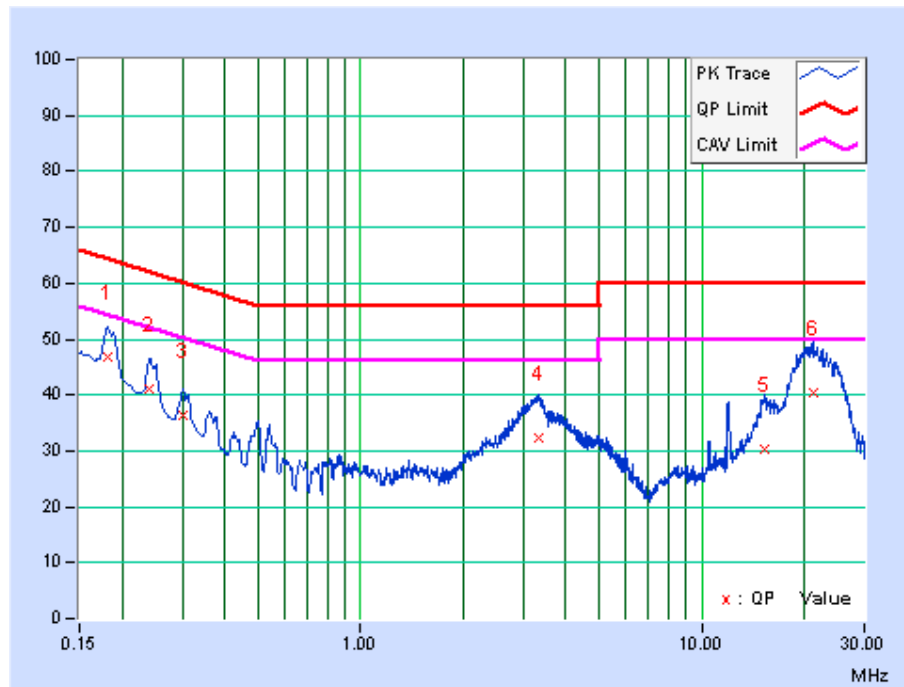


### 3.1.7 TEST RESULTS

|                                 |                        |                      |          |
|---------------------------------|------------------------|----------------------|----------|
| <b>TEST MODE</b>                | Charging + Discharging | <b>6DB BANDWIDTH</b> | 9 kHz    |
| <b>TEST VOLTAGE</b>             | DC 5V from USB         | <b>PHASE</b>         | Line (L) |
| <b>ENVIRONMENTAL CONDITIONS</b> | 25 deg. C, 61% RH      | <b>TESTED BY</b>     | Yang     |

| No | Freq.<br>[MHz] | Corr.<br>Factor<br>(dB) | Reading Value |       | Emission Level |       | Limit     |       | Margin |        |
|----|----------------|-------------------------|---------------|-------|----------------|-------|-----------|-------|--------|--------|
|    |                |                         | [dB (uV)]     |       | [dB (uV)]      |       | [dB (uV)] |       | (dB)   |        |
|    |                |                         | Q.P.          | AV.   | Q.P.           | AV.   | Q.P.      | AV.   | Q.P.   | AV.    |
| 1  | 0.18123        | 10.04                   | 36.62         | 20.97 | 46.66          | 31.01 | 64.43     | 54.43 | -17.77 | -23.42 |
| 2  | 0.24103        | 10.05                   | 30.87         | 14.35 | 40.92          | 24.40 | 62.06     | 52.06 | -21.14 | -27.66 |
| 3  | 0.30168        | 10.07                   | 26.23         | 11.67 | 36.30          | 21.74 | 60.20     | 50.20 | -23.89 | -28.45 |
| 4  | 3.33448        | 10.15                   | 22.23         | 13.84 | 32.38          | 23.99 | 56.00     | 46.00 | -23.62 | -22.01 |
| 5  | 15.3465        | 10.20                   | 20.24         | 11.02 | 30.44          | 21.22 | 60.00     | 50.00 | -29.56 | -28.78 |
| 6  | 21.16725       | 10.33                   | 30.04         | 23.45 | 40.37          | 33.78 | 60.00     | 50.00 | -19.63 | -16.22 |

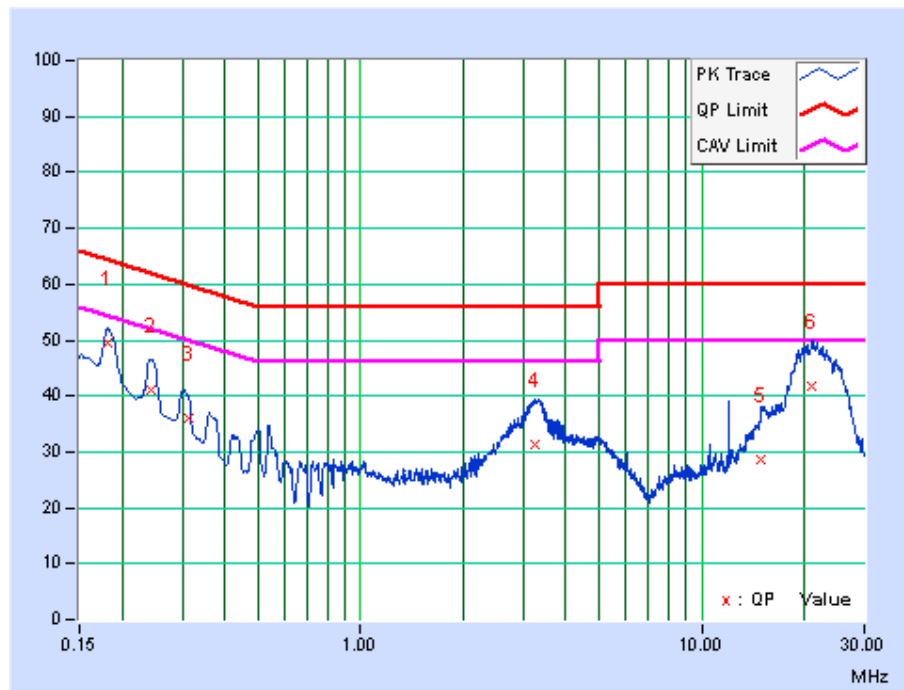
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss
  6. Emission Level = Correction Factor + Reading Value



|                                 |                        |                      |             |
|---------------------------------|------------------------|----------------------|-------------|
| <b>TEST MODE</b>                | Charging + Discharging | <b>6DB BANDWIDTH</b> | 9 kHz       |
| <b>TEST VOLTAGE</b>             | DC 5V from USB         | <b>PHASE</b>         | Neutral (N) |
| <b>ENVIRONMENTAL CONDITIONS</b> | 25 deg. C, 61% RH      | <b>TESTED BY</b>     | Yang        |

| No | Freq.<br>[MHz] | Corr.<br>Factor<br>(dB) | Reading Value |       | Emission Level |       | Limit     |       | Margin |        |
|----|----------------|-------------------------|---------------|-------|----------------|-------|-----------|-------|--------|--------|
|    |                |                         | [dB (uV)]     |       | [dB (uV)]      |       | [dB (uV)] |       | (dB)   |        |
|    |                |                         | Q.P.          | AV.   | Q.P.           | AV.   | Q.P.      | AV.   | Q.P.   | AV.    |
| 1  | 0.18123        | 9.84                    | 39.72         | 20.73 | 49.56          | 30.57 | 64.43     | 54.43 | -14.87 | -23.86 |
| 2  | 0.24225        | 9.84                    | 31.40         | 14.92 | 41.24          | 24.76 | 62.02     | 52.02 | -20.78 | -27.26 |
| 3  | 0.31425        | 9.84                    | 26.06         | 9.48  | 35.90          | 19.32 | 59.86     | 49.86 | -23.96 | -30.54 |
| 4  | 3.25050        | 9.89                    | 21.47         | 13.40 | 31.36          | 23.29 | 56.00     | 46.00 | -24.64 | -22.71 |
| 5  | 15.00450       | 10.19                   | 18.50         | 10.36 | 28.69          | 20.55 | 60.00     | 50.00 | -31.31 | -29.45 |
| 6  | 21.09525       | 10.24                   | 31.41         | 23.07 | 41.65          | 33.31 | 60.00     | 50.00 | -18.35 | -16.69 |

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
  2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
  3. The emission levels of other frequencies were very low against the limit.
  4. Margin value = Emission level - Limit value
  5. Correction factor = Insertion loss + Cable loss.
  6. Emission Level = Correction Factor + Reading Value





### 3.2 RADIATED EMISSION MEASUREMENT (AS/NZS CISPR 22)

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

**TEST STANDARD: AS/NZS CISPR 22**

**FOR FREQUENCY BELOW 1000 MHz**

| FREQUENCY<br>(MHz) | Class B (at 10m)    | Class B (at 3m)     |
|--------------------|---------------------|---------------------|
|                    | Quasi-Peak (dBuV/m) | Quasi-Peak (dBuV/m) |
| 30 – 230           | 30                  | 40                  |
| 230 – 1000         | 37                  | 47                  |

#### FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

| Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz) | Range (MHz)  |
|---|--|
| Below 108   | 1000   |
| 108 – 500   | 2000   |
| 500 – 1000  | 5000   |
| Above 1000  | Up to 5 times of the highest frequency or 6 GHz, whichever is less |

#### FOR FREQUENCY ABOVE 1000 MHz

| FREQUENCY (GHz) | Class A (dBuV/m) (at 3m) |         | Class B (dBuV/m) (at 3m) |         |
|-----------------|--------------------------|---------|--------------------------|---------|
|                 | PEAK                     | AVERAGE | PEAK                     | AVERAGE |
| 1 to 3          | 76                       | 56      | 70                       | 50      |
| 3 to 6          | 80                       | 60      | 74                       | 54      |

- NOTE:** (1) The lower limit shall apply at the transition frequencies.  
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).  
(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.



### 3.2.2 TEST INSTRUMENTS

#### FREQUENCY RANGE BELOW 1GHz

| Equipment                 | Manufacturer  | Model No.           | Serial No. | Last Cal.   | Next Cal.   |
|---------------------------|---------------|---------------------|------------|-------------|-------------|
| EMI Test Receiver         | Rohde&Schwarz | ESCI                | 100962     | Mar. 04,16  | Mar. 03,17  |
| EMI Test Receiver         | Rohde&Schwarz | ESCI                | 101418     | Mar. 04,16  | Mar. 03,17  |
| Trilog-Broadband Antenna  | SCHWARZBECK   | VULB 9168           | 9168-555   | Nov. 20, 15 | Nov. 19, 16 |
| Trilog-Broadband Antenna  | SCHWARZBECK   | VULB 9168           | 9168-554   | Dec. 30, 15 | Dec. 29, 16 |
| Signal Amplifier          | Agilent       | 8447D               | 2944A10488 | Jun. 25,16  | Jun. 24,17  |
| Signal Amplifier          | Agilent       | 8447D               | 2944A11174 | Jun. 25,16  | Jun. 24,17  |
| 10m Semi-anechoic Chamber | CHANGLING     | 21.4m*12.1m*8.8m    | NSEMC006   | Mar. 12,16  | Mar. 11,18  |
| Test Software             | ADT           | ADT_Radiated_V8.7.x | N/A        | N/A         | N/A         |

- NOTES:** 1. The test was performed in 10m Chamber.  
2. The calibration interval of the above test instruments is 12 and 24 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

#### FREQUENCY RANGE ABOVE 1GHz

| Equipment                      | Manufacturer  | Model No.           | Serial No.  | Last Cal.   | Next Cal.   |
|--------------------------------|---------------|---------------------|-------------|-------------|-------------|
| Horn Antenna                   | ETS-Lindgren  | 3117                | 00085519    | Dec. 30, 15 | Dec. 29, 16 |
| Horn Antenna                   | SCHWARZBECK   | BBHA 9170           | BBHA9170242 | Mar. 12,16  | Mar. 11,17  |
| Signal and Spectrum Analyzer   | Rohde&Schwarz | FSV40               | 101003      | Apr. 05,16  | Apr. 04,17  |
| Broadband Preamplifier         | SCHWARZBECK   | BBV9718             | 266         | Mar. 22,16  | Mar. 21,17  |
| Pre-Amplifier (100MHz-26.5GHz) | EMCI          | EMC 012645          | 980077      | May 04,16   | May 03,17   |
| Pre-Amplifier (18GHz-40GHz)    | EMCI          | EMC 184045          | 980102      | Nov. 11,15  | Nov. 10,16  |
| Test Software                  | ADT           | ADT_Radiated_V8.7.x | N/A         | N/A         | N/A         |

- NOTES:** 1. The test was performed in 10m Chamber.  
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



### 3.2.3 TEST PROCEDURE

#### <Frequency Range below 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meters chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters for horizontal polarization, 2 meter to 4 meters for vertical polarization and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

#### NOTE:

- 1 The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2 Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
- 3 Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier)
- 4 Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain(dB) (if the raw value contains the amplifier)
- 5 Margin value = Emission level – Limit value

### <Frequency Range above 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meters chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna can be varied from one meter-to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. The bore sight should be used during the test above 1GHz.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.

#### NOTE:

1. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz for Average detection (AV) at frequency above 1GHz.
2. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the receiver antenna.
3. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
4. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier)
5. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain(dB) (if the raw value contains the amplifier)
6. Margin value = Emission level – Limit value

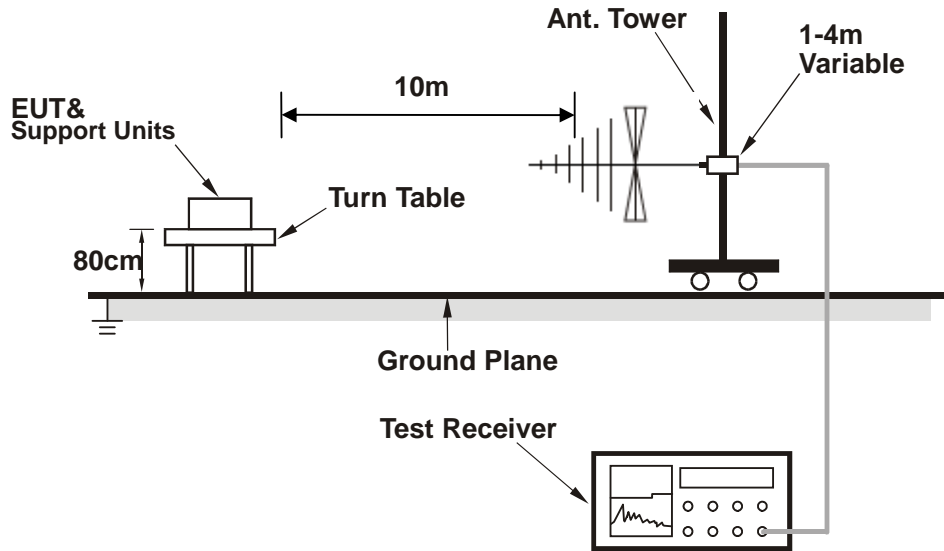
### 3.2.4 DEVIATION FROM TEST STANDARD

No deviation.

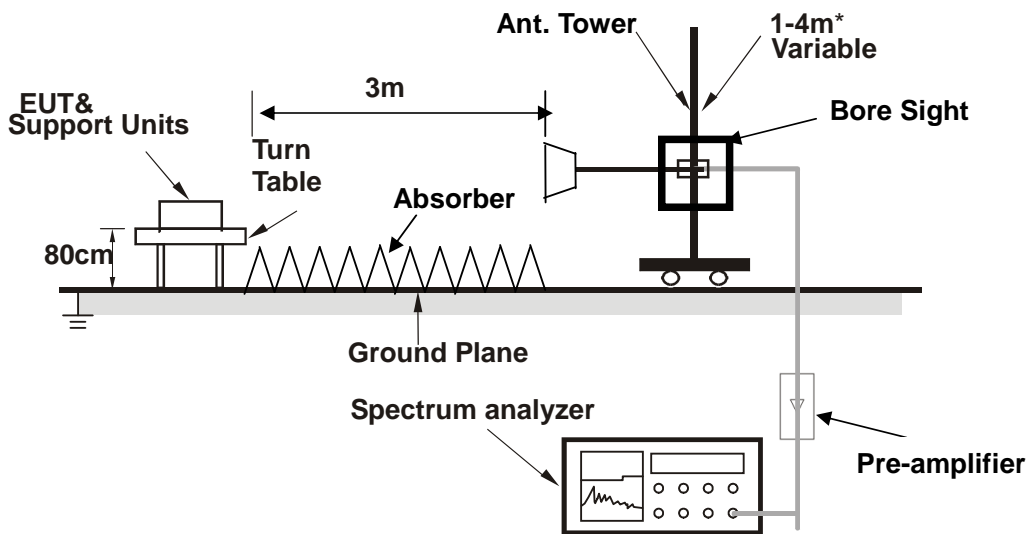


### 3.2.5 TEST SETUP

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



\*: depends on the EUT height and the antenna 3dB beam width both, refer to section 7.3 of CISPR 16-2-3.

### 3.2.6 EUT OPERATING CONDITIONS

Same as section 3.1.6

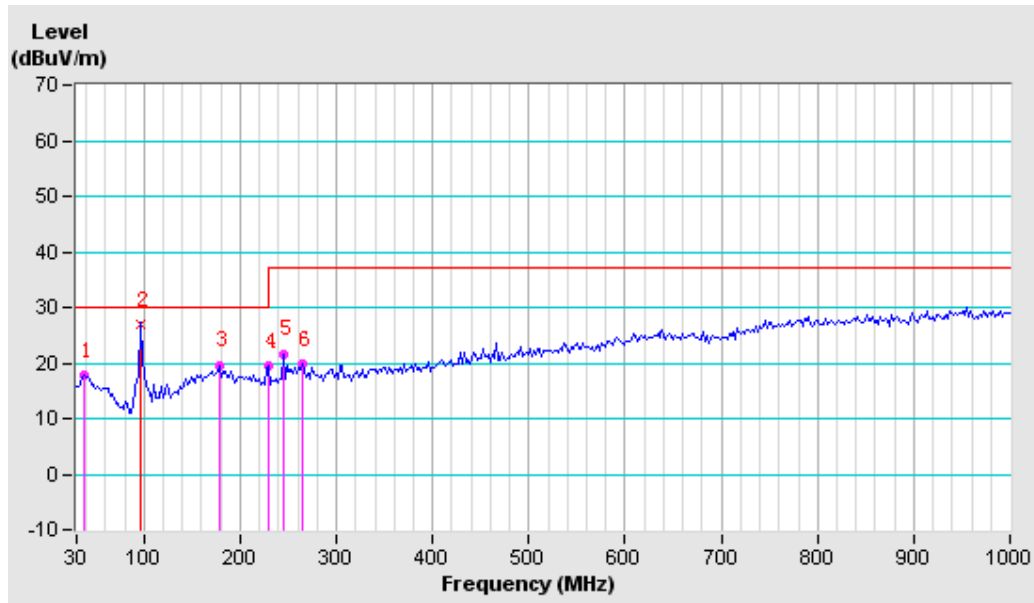


### 3.2.7 TEST RESULTS

|                                 |                        |   |                    |
|---------------------------------|------------------------|---|--------------------|
| <b>TEST MODE</b>                | Charging + Discharging | <b>FREQUENCY RANGE</b>                              | 30-1000MHz         |
| <b>TEST VOLTAGE</b>             | DC 5V from USB         | <b>DETECTOR FUNCTION &amp; RESOLUTION BANDWIDTH</b> | Quasi-Peak, 120kHz |
| <b>ENVIRONMENTAL CONDITIONS</b> | 22deg. C, 51% RH       | <b>TESTED BY:</b> Wang                              |                    |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 10 M |               |                          |                  |                         |                |              |                     |                      |
|--|---------------|--------------------------|------------------|-------------------------|----------------|--------------|---------------------|----------------------|
| No.  | Freq. (MHz)   | Correction Factor (dB/m) | Raw Value (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB)  | Antenna Height (cm) | Table Angle (Degree) |
| 1  | 37.760        | -9.37                    | 27.00            | 17.63                   | 30.00          | -12.37       | 200                 | 3                    |
| 2  | <b>96.700</b> | <b>-13.24</b>            | <b>40.04</b>     | <b>26.80</b>            | <b>30.00</b>   | <b>-3.20</b> | <b>400</b>          | <b>50</b>            |
| 3  | 179.380       | -10.26                   | 29.84            | 19.58                   | 30.00          | -10.42       | 400                 | 257                  |
| 4  | 229.820       | -10.12                   | 29.45            | 19.33                   | 30.00          | -10.67       | 400                 | 316                  |
| 5  | 245.340       | -8.55                    | 30.03            | 21.48                   | 37.00          | -15.52       | 200                 | 43                   |
| 6  | 264.740       | -8.46                    | 28.18            | 19.72                   | 37.00          | -17.28       | 200                 | 43                   |

- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
  2. Negative sign (-) in the margin column signify levels below the limit.
  3. Frequency range scanned: 30MHz to 1000MHz.
  4. Only emissions significantly above equipment noise floor are reported.



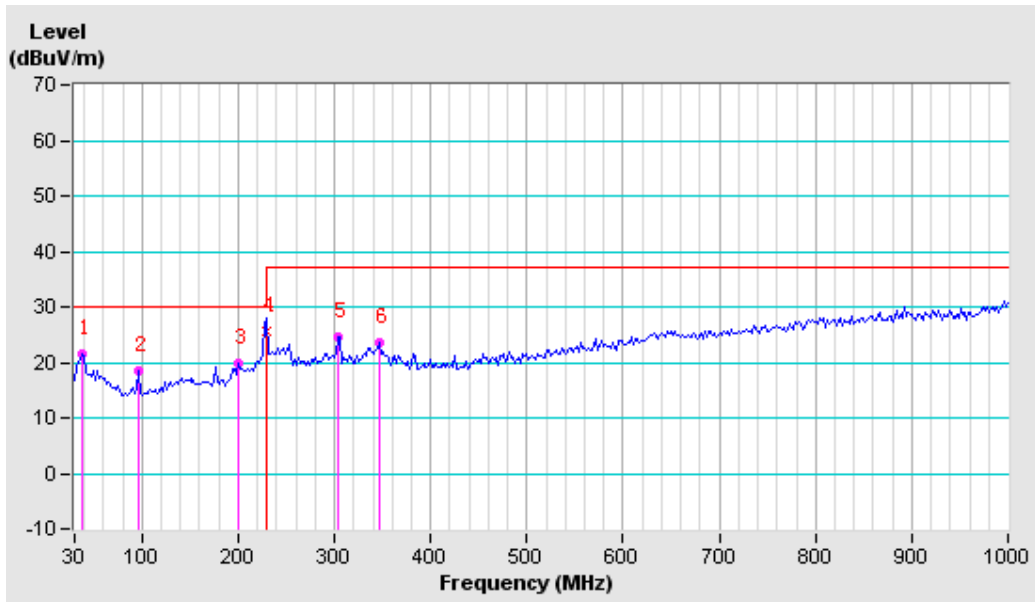




|                                 |                        |   |                    |
|---------------------------------|------------------------|---|--------------------|
| <b>TEST MODE</b>                | Charging + Discharging | <b>FREQUENCY RANGE</b>                              | 30-1000MHz         |
| <b>TEST VOLTAGE</b>             | DC 5V from USB         | <b>DETECTOR FUNCTION &amp; RESOLUTION BANDWIDTH</b> | Quasi-Peak, 120kHz |
| <b>ENVIRONMENTAL CONDITIONS</b> | 22deg. C, 51% RH       | <b>TESTED BY:</b> Wang                              |                    |

| <b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 10 M</b> |             |                          |                  |                         |                |             |                     |                      |
|---|-------------|--------------------------|------------------|-------------------------|----------------|-------------|---------------------|----------------------|
| No.   | Freq. (MHz) | Correction Factor (dB/m) | Raw Value (dBuV) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (cm) | Table Angle (Degree) |
| 1   | 37.760      | -9.50                    | 31.18            | 21.68                   | 30.00          | -8.32       | 100                 | 297                  |
| 2   | 95.960      | -13.37                   | 31.95            | 18.58                   | 30.00          | -11.42      | 100                 | 282                  |
| 3   | 200.720     | -11.19                   | 31.10            | 19.91                   | 30.00          | -10.09      | 300                 | 251                  |
| 4   | 229.680     | -10.01                   | 35.61            | 25.60                   | 30.00          | -4.40       | 100                 | 150                  |
| 5   | 303.540     | -7.26                    | 31.79            | 24.53                   | 37.00          | -12.47      | 100                 | 278                  |
| 6   | 346.220     | -6.03                    | 29.58            | 23.55                   | 37.00          | -13.45      | 100                 | 280                  |

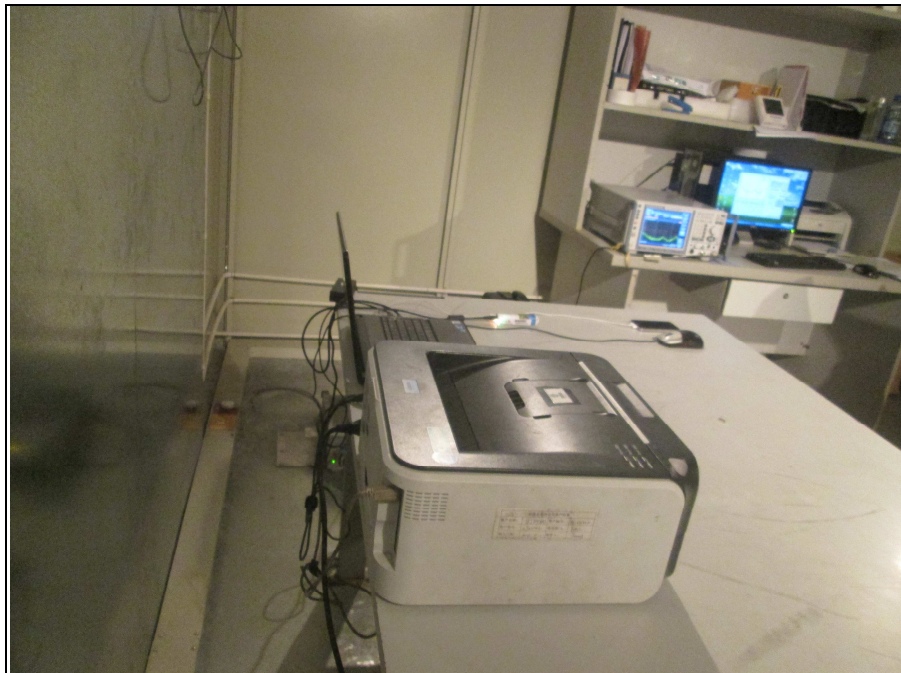
- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
  2. Negative sign (-) in the margin column signify levels below the limit.
  3. Frequency range scanned: 30MHz to 1000MHz.
  4. Only emissions significantly above equipment noise floor are reported.



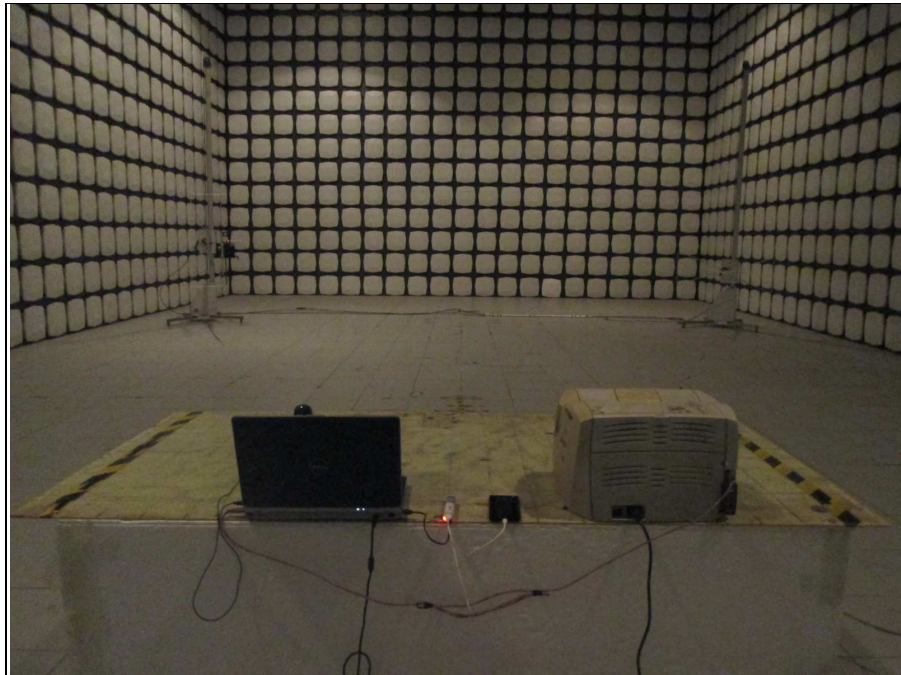
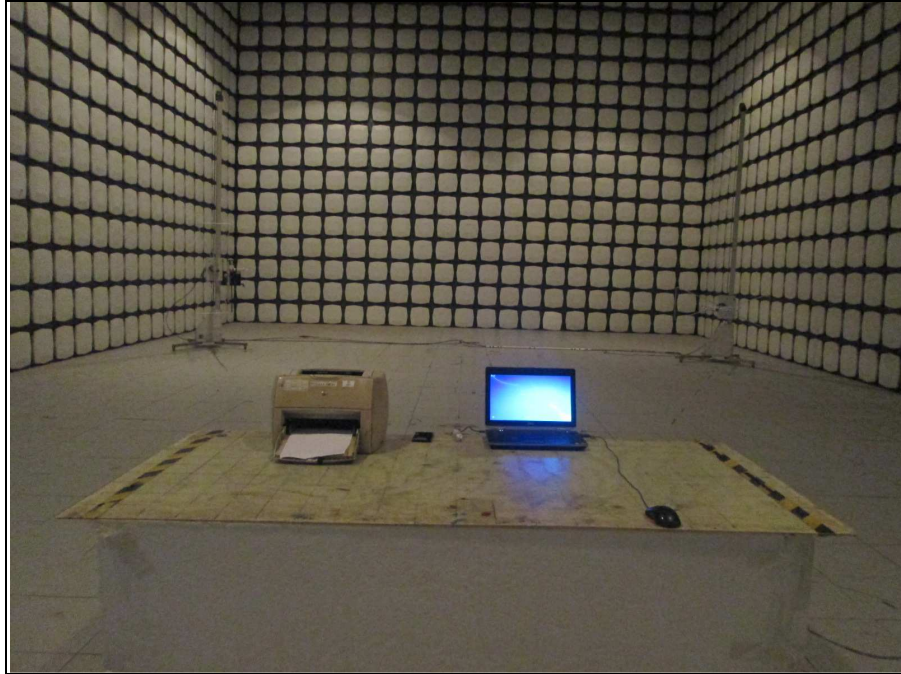


## 4 PHOTOGRAPHS OF THE TEST CONFIGURATION

### CONDUCTED EMISSION TEST



RADIATED EMISSION TEST





Test Report No.: C160719N014

## 5 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

---END---