FCC PART 15.109

MEASUREMENT AND TEST REPORT

For

EUT Name: Wireless Flash Trigger

Item No.: Aster/PT-V4RX FCC ID: XBYASTERRX

Serial No.: Not supplied by client



Prepared for : Shenzhen Fudasi Technology Co., Ltd.

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Report Number : **TB-F106302**Date of Test : Jan. 19-21, 2010
Date of Report : Jan. 22-25, 2010

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TEST REPORT DECLARATION

Applicant : Shenzhen Fudasi Technology Co., Ltd.

Manufacturer : Shenzhen Fudasi Technology Co., Ltd.

EUT Description : Wireless Flash Trigger

Model No. : Aster/PT-V4RX

The device described above is tested by SEM. Test Compliance Service Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart B limits for both radiation and conduction emissions.

The measurement results are contained in this test report and Shenzhen Toby Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Toby Technology Co., Ltd.

| Tested by: | Sacky Wong | Date: | Jan. 25, 2010 |
|--------------|--------------|-------|---------------|
| | Jacky Wang | | |
| Reviewed by: | Benny Xu | Date: | Jan. 26, 2010 |
| Reviewed by. | Benny Xu | Date. | Jan. 20, 2010 |
| | Justin zheng | | |
| Approved by: | | Date: | Jan. 27, 2010 |
| | Justin Thana | | |

1. GENERAL INFORMATION

1.1. Product Description for Equipment Under Test (EUT)

Client Information

Applicant: Shenzhen Fudasi Technology Co., Ltd.

Address of applicant: B Building, Shengde Industrial Park, DaLang, Longhua Town,

Baoan District, Shenzhen City, China

Manufacturer: Shenzhen Fudasi Technology Co., Ltd.

Address of manufacturer: B Building, Shengde Industrial Park, DaLang, Longhua Town,

Baoan District, Shenzhen City, China

General Description of E.U.T

Items Description

EUT Description: Wireless Flash Trigger

Trade Name: /

Model No.: Aster/PT-V4RX

Rated Voltage: DC 3V CR2-Size Lithium Battery X 1 pc

Frequency Range: 433.92 MHz

Tape of Antenna: Integral Antenna

Size: 5.5cm x 5.2cm x 2.7cm

For more information refer to the circuit diagram form and the user's manual.

The test data is gathered from a production sample, provided by the manufacturer.

1.2. Test Standards

The following report is prepared on behalf of the Shenzhen Fudasi Technology Co., Ltd. in accordance with Part 2, Subpart J, and Part 15, Subparts A and B of the Federal Communication Commissions rules.

The objective is to determine compliance with FCC Part 15, Subpart B, and section 15.109, 15.205 and 15.107 of the FCC Rules.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission/immunity, should be checked to ensure compliance has been maintained.

1.3. Related Submittal(s)/Grant(s)

No Related Submittal(s).

1.4. Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2009, 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.

The equipment under test (EUT) was configured to measure its highest possible immunity level. Test is carried with playing mode which worst case has been showed. Test setup was adapted accordingly in reference to the Operating Instructions.

1.5. Accessories Equipment List and Details

| Manufacturer | Description | Model | Serial Number | |
|---------------|-------------|------------|---------------|--|
| IBM | Notebook | T22 | LV14893 | |
| TP-LINK Modem | / | TM-EC5658V | KT99CTQC-508 | |
| Lenovo | Printer | 3110 | OD65133711480 | |

1.6. EUT Cable List and Details

| Cable Description | Length (M) | Shielded/ Unshielded | With Core/ Without Core |
|-------------------|------------|-------------------------|----------------------------|
| / | / | / | / |

1.7. Test Location

FCC – Registration No.: 994117

SEM.Test Compliance Service Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files and the Registration is 994117. SEM. Test Compliance Service Co., Ltd. Lab.

TOBY Tel: +86 0755 2804 5093 Fax: +86 0755 518055

2. SUMMARY OF TEST RESULTS

| DESCRIPTION OF TEST | RESULT |
|------------------------------|-----------|
| §15.109(a) Radiated Emission | Compliant |

3. §15.109(a) - RADIATED EMISSION

3.1. Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any radiation emissions measurement is + 3.0 dB.

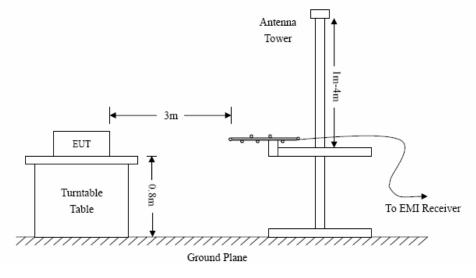
3.2. Test Equipment List and Details

| Description Manufacturer | | Model No. Serial No. | | Cal. Date | Cal. Date | |
|-----------------------------|--------------------|----------------------|------------|------------|--------------|--|
| Spectrum Analyzer | ROHDE & SCHWARZ | FSEA20 | DE25181 | 2009-08-12 | 2010-08-11 | |
| Positioning Controller | C&C | CC-C-1F | N/A | 2009-08-12 | 2010-08-11 | |
| Trilog Broadband SCHWARZBEC | | VULB9163 | 9163-333 | 2009-07-21 | 2010-07-20 | |
| Horn Antenna | SCHWARZBECK | BBHX 9120 | 9120-426 | 2009-07-21 | 2010-07-20 | |
| RF Switch | EM | EMSW18 | SW060023 | 2009-08-12 | 2010-08-11 | |
| Amplifier | Agilent | 8447F | 3113A06717 | 2009-08-12 | 2010-08-11 | |
| Coaxial Cable | SCHWARZBECK | AK9513 | 9513-10 | 2009-08-12 | 2010-08-11 | |
| EMI Test Receiver | ROHDE & SCHWARZ | ESPI | 25498514 | 2009-08-12 | 2010-08-11 | |

3.3. Test Procedure

The setup of EUT is according with per ANSI C63.4-2009 measurement procedure. The specification used was with the FCC Part 15.205 and FCC Part 15.109 Limit.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle. The spacing between the peripherals was 10 cm.



3.4. Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of $-6dB\mu V$ means the emission is $6dB\mu V$ below the maximum limit for Class B. The equation for margin calculation is as follows:

3.5. Environmental Conditions

| Temperature: | 21° C | | |
|--------------------|-----------|--|--|
| Relative Humidity: | 56 % | | |
| ATM Pressure: | 1011 mbar | | |

3.6. Test Receiver Setup

According to the data in section 4.6, the EUT complied with the FCC 15 Class B standards, and had the worst margin is:

-6.41 dBμV at 315.8601 MHz in the Horizontal polarization, 30 MHz to 1 GHz, 3Meters

Plot of Radiation Emissions & Test Data

Radiated Disturbance

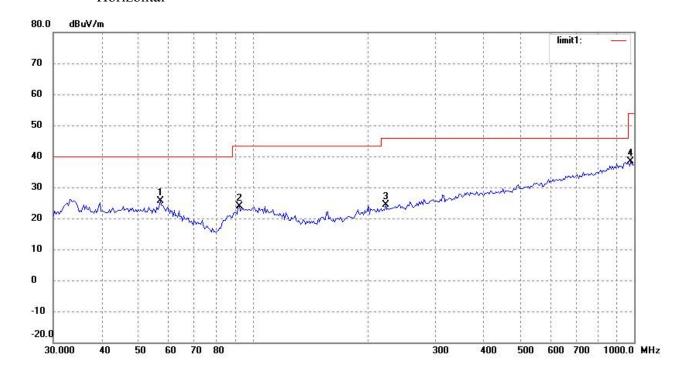
EUT: Wireless Flash Trigger

M/N: Aster/PT-V4RX Operating Condition: ON

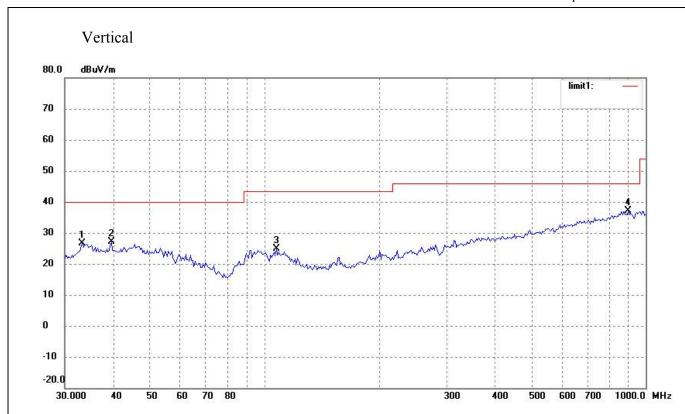
Test Specification: Horizontal & Vertical

Comment: DC 3V

Horizontal



| No. | Frequency | Reading | Correct | Dutycycle | Result | Limit | Margin | Degree | Height | Remark |
|-----|-----------|---------|---------|-----------|--------|-------|--------|--------|--------|--------|
| | (MHz) | (dBuV/ | Factor | Factor | (dBuV/ | (dBuV | (dB) | (°) | (cm) | |
| | | m) | (dB) | (dB) | m) | m) | | | | |
| 1 | 57.1914 | 18.02 | 7.66 | N/A | 25.68 | 40.00 | -14.32 | 142 | 100 | peak |
| 2 | 92.1388 | 16.43 | 7.50 | N/A | 23.93 | 43.50 | -19.57 | 178 | 100 | peak |
| 3 | 222.9501 | 16.43 | 7.86 | N/A | 24.29 | 46.00 | -21.71 | 211 | 100 | peak |
| 4 | 979.1803 | 17.13 | 21.31 | N/A | 38.44 | 54.00 | -15.56 | 56 | 100 | peak |



| No. | Frequency | Reading | Correct | Dutycycle | Result | Limit | Margin | Degree | Height | Remark |
|-----|-----------|---------|---------|-----------|--------|-------|--------|--------|--------|--------|
| | (MHz) | (dBuV/ | Factor | Factor | (dBuV/ | (dBuV | (dB) | (°) | (cm) | |
| | | m) | (dB) | (dB) | m) | m) | | | | |
| 1 | 33.3278 | 19.68 | 6.87 | N/A | 26.55 | 40.00 | -13.45 | 72 | 100 | peak |
| 2 | 39.7147 | 20.28 | 6.86 | N/A | 27.14 | 40.00 | -12.86 | 136 | 100 | peak |
| 3 | 107.5100 | 17.20 | 7.80 | N/A | 25.00 | 43.50 | -18.50 | 158 | 100 | peak |
| 4 | 900.1473 | 16.43 | 20.70 | N/A | 37.13 | 46.00 | -8.87 | 204 | 100 | peak |