



**SGS-CSTC Standards Technical Services  
(Shanghai) Co., Ltd.**

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China  
Telephone: +86 (0) 21 6191 5666  
Fax: +86 (0) 21 6191 5678  
ee.shanghai@sgs.com

Report No.: SHEM161100757903  
Page: 1 of 6

## 1 Cover Page

# ***RF Exposure Evaluation Report***

|                                                                                                                                     |                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>Application No.:</b>                                                                                                             | SHEM1611007579CR                                                           |
| <b>Applicant:</b>                                                                                                                   | eUrban, LLC                                                                |
| <b>FCC ID:</b>                                                                                                                      | 2AJ5WDAJDOJO1                                                              |
| <b>Equipment Under Test (EUT):</b><br><b>NOTE:</b> The following sample(s) submitted was/were identified on behalf of the client as |                                                                            |
| <b>Product Name:</b>                                                                                                                | OjO commuter scooter                                                       |
| <b>Model No.(EUT):</b>                                                                                                              | OjO500                                                                     |
| <b>Standards:</b>                                                                                                                   | FCC Rules 47 CFR §2.1091<br>KDB447498 D01 General RF Exposure Guidance v06 |
| <b>Date of Receipt:</b>                                                                                                             | 2016-11-29                                                                 |
| <b>Date of Test:</b>                                                                                                                | 2016-11-29 to 2017-01-05                                                   |
| <b>Date of Issue:</b>                                                                                                               | 2017-01-13                                                                 |
| <b>Test Result:</b>                                                                                                                 | <b>Pass*</b>                                                               |

\* In the configuration tested, the EUT complied with the standards specified above.

**Parlam Zhan**  
**E&E Section Manager**  
**SGS-CSTC (Shanghai) Co., Ltd.**

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

## 2 Contents

|                                                         | Page     |
|---------------------------------------------------------|----------|
| <b>1 COVER PAGE.....</b>                                | <b>1</b> |
| <b>2 CONTENTS .....</b>                                 | <b>2</b> |
| <b>3 GENERAL INFORMATION .....</b>                      | <b>3</b> |
| 3.1 CLIENT INFORMATION.....                             | 3        |
| 3.2 GENERAL DESCRIPTION OF E.U.T.....                   | 3        |
| 3.3 DETAILS OF E.U.T. ....                              | 3        |
| 3.4 TEST LOCATION .....                                 | 4        |
| 3.5 TEST FACILITY .....                                 | 4        |
| <b>4 TEST STANDARDS AND LIMITS .....</b>                | <b>5</b> |
| 4.1 FCC RADIOFREQUENCY RADIATION EXPOSURE LIMITS: ..... | 5        |
| <b>5 MEASUREMENT AND CALCULATION .....</b>              | <b>6</b> |
| 5.1 MAXIMUM TRANSMIT POWER .....                        | 6        |
| 5.2 MPE CALCULATION.....                                | 6        |
| <b>6 EUT CONSTRUCTIONAL DETAILS.....</b>                | <b>6</b> |

### 3 General Information

#### 3.1 Client Information

|                          |                                                                                     |
|--------------------------|-------------------------------------------------------------------------------------|
| Applicant:               | eUrban, LLC                                                                         |
| Address of Applicant:    | Corporate Hanger 3, 3100 Donald Douglas Loop North, Santa Monica, California, 90405 |
| Manufacturer:            | eUrban, LLC                                                                         |
| Address of Manufacturer: | Corporate Hanger 3, 3100 Donald Douglas Loop North, Santa Monica, California, 90405 |
| Factory:                 | Changzhou Cenbird Electric Bicycle Manufacturer Co.,Ltd                             |
| Address of Factory:      | Xiliu Park, Furong Town, Changzhou City, Jiangsu, China                             |

#### 3.2 General Description of E.U.T.

|                      |                                         |
|----------------------|-----------------------------------------|
| Product Description: | Fixed Product with BT function          |
| Battery:             | DC 48V/13AH rechargeable Li-ion battery |
| Power Supply:        | AC 100-240V 50/60Hz                     |
| Test Voltage:        | AC 120V 60Hz                            |

#### 3.3 Details of E.U.T.

|                       |                                  |
|-----------------------|----------------------------------|
| Operation Frequency:  | 2402MHz~2480MHz                  |
| Bluetooth Version:    | 2.1+EDR                          |
| Modulation Technique: | FHSS(GFSK, $\pi/4$ DQPSK, 8DPSK) |
| Number of Channel:    | 79                               |
| Antenna Type          | PCB                              |
| Antenna Gain          | -0.48 dBi                        |

### 3.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China.

Tel: +86 21 6191 5666

Fax: +86 21 6191 5678

### 3.5 Test Facility

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

- **CNAS (No. CNAS L0599)**

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing. Date of expiry: 2017-07-14.

- **FCC – Registration No.: 402683**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered and fully described in a report filed with the Federal Communications Commission (FCC). The acceptance letter from the FCC is maintained in our files. Registration No.: 402683, Expiry Date: 2017-09-16.

- **Industry Canada (IC) – IC Assigned Code: 8617A**

The 3m Semi-anechoic chamber of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 8617A-1. Expiry Date: 2017-06-18.

- **VCCI (Member No.: 3061)**

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-3868, C-4336, T-2221, G-830 respectively. Date of Expiry: 2017-11-16.

## 4 Test Standards and Limits

### 4.1 FCC Radiofrequency radiation exposure limits:

According to §1.1310, the limit for general population/uncontrolled exposures

| Frequency     | Power density(mW/cm <sup>2</sup> ) | Averaging time(minutes) |
|---------------|------------------------------------|-------------------------|
| 300MHz~1.5GHz | f/1500                             | 30                      |
| 1.5GHz~100GHz | 1.0                                | 30                      |

## 5 Measurement and Calculation

### 5.1 Maximum transmit power

The Power Data is based on the RF Test Report SHEM161100757902

| Test Mode     | Test Frequency (MHz) | Output Power (dBm) | Reading Power (mW) |
|---------------|----------------------|--------------------|--------------------|
| GFSK          | 2402                 | -4.53              | 0.35               |
|               | 2441                 | -4.85              | 0.32               |
|               | 2480                 | -5.35              | 0.29               |
| $\pi/4$ DQPSK | 2402                 | -4.61              | 0.34               |
|               | 2441                 | -5.11              | 0.30               |
|               | 2480                 | -5.65              | 0.27               |
| 8DPSK         | 2402                 | <b>-4.46</b>       | <b>0.36</b>        |
|               | 2441                 | -5.01              | 0.31               |
|               | 2480                 | -5.52              | 0.28               |

### 5.2 MPE Calculation

The Max Conducted Peak Output Power is 0.36mW;

The best case gain of the antenna is -0.48dBi. logarithmic terms convert to numeric result is nearly 0.89

For FCC:

According to the formula  $S = \frac{PG}{4R^2\pi}$ , we can calculate S which is MPE.

Note:

- 1) P (Watts)
- 2) G (Antenna gain in numeric)
- 3) R = distance to the center of radiation of antenna (in meter) = 20cm
- 4) MPE limit = 1mW/cm<sup>2</sup>

$$S = \frac{PG}{4R^2\pi} = \frac{0.36 \times 0.89}{4 \times 400 \times 3.14} = 0.0000638 \text{ mW/cm}^2 < 1 \text{ mW/cm}^2$$

So the device is exclusion from SAR test.

## 6 EUT Constructional Details

Refer to the < OjO500\_External Photos > & < OjO500 \_Internal Photos >.

**--End of the Report--**