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

1 Cover Page

RF Exposure Evaluation Report

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

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

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

2 Contents

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, π/4DQPSK, 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.

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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^2)	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
π/4DQPSK	2402	-4.61	0.34
	2441	-5.11	0.30
	2480	-5.65	0.27
8DPSK	2402	**-4.46**	**0.36**
	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/cm²

S= $\frac{PG}{4R^2\pi}$ = $\frac{0.36\times0.89}{4\times400\times3.14}$ =0.0000638 mW/cm^2＜1mW/cm²

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--