

# RF Exposure Report

**Project Number:** 4076029

**Report Number:** 4076029EMC10

**Revision Level:** 0

**Client:** Social Bicycles Inc.

**Equipment Under Test:** Smart Bike Share System

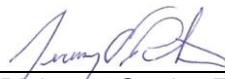
**Model:** SB3

**Applicable Standards:** 47 C.F.R. §§ 2.1091 and 2.1093; FCC KDB 447498  
FCC OET Bulletin 65 Supplement

**Report issued on:** 31 January 2017

**Test Result:** Compliant

**Reported by:**

  
\_\_\_\_\_  
Jeremy O. Pickens, Senior EMC Engineer

**Remarks:**

This report details the results of the testing carried out on one sample, the results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. 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. Any mention of SGS International Electrical Approvals or Testing done by SGS International Electrical Approvals in connection with distribution or use of the product described in this report must be approved by SGS international Electrical Approvals in writing.

## TABLE OF CONTENTS

<b>1</b>	<b>GENERAL INFORMATION.....</b>	<b>3</b>
1.1	CLIENT INFORMATION.....	3
1.2	TEST LABORATORY.....	3
1.3	GENERAL INFORMATION OF EUT.....	3
1.4	OPERATING MODES AND CONDITIONS.....	3
<b>2</b>	<b>RF EXPOSURE.....</b>	<b>4</b>
2.1	TEST RESULT.....	4
2.2	TEST METHOD.....	4
2.3	SINGLE TRANSMISSION RF EXPOSURE LEVELS.....	4
2.4	SIMULTANEOUS TRANSMISSION RF EXPOSURE LEVELS.....	4
<b>3</b>	<b>REVISION HISTORY.....</b>	<b>5</b>

## 1 General Information

### 1.1 *Client Information*

Name: Social Bicycles Inc.  
Address: 55 Prospect Street, Ste 304  
City, State, Zip, Country: Brooklyn, NY 11201, USA

### 1.2 *Test Laboratory*

Name: SGS North America, Inc.  
Address: 620 Old Peachtree Road NW, Suite 100  
City, State, Zip, Country: Suwanee, GA 30024, USA

Accrediting Body: A2LA  
Type of lab: Testing Laboratory  
Certificate Number: 3212.01

### 1.3 *General Information of EUT*

Type of Product: Smart Bike Share System  
Model Number: SB3

Rated Voltage: 3.7 Vdc  
Test Voltage: 3.7 Vdc  
FCC Classification: DTS, PCB, DXX  
Type: Pre Production

Sample Received Date: 05 December 2016

### 1.4 *Operating Modes and Conditions*

For this assessment, the EUT's maximum conducted measured powers were considered.

## 2 RF Exposure

### 2.1 Test Result

Test Description	Product Specific Standard	Test Result
RF Exposure	FCC Part 1.1310	Compliant

### 2.2 Test Method

Using the maximum conducted measured powers, the power density was calculated. Maximum antenna gain was assumed for this exercise.

### 2.3 Single transmission RF Exposure Levels

Band of Operation		Conducted Power w/tolerance dBm	Antenna Gain	Cable Loss	Average EIRP		Distance (R) cm	Power Density EIRP <sub>avg</sub> /(4πR <sup>2</sup> ) mW/cm <sup>2</sup>	FCC mW/cm <sup>2</sup>	% of Limit	Verdict
Type	MHz				dBm	mW					
WCDMA Band II	1850-1910	21.5	3.0	0.0	24.5	282	20	0.056	1.00	6%	Pass
WCDMA Band V	824-849	22.8	1.7	0.0	24.5	282	20	0.056	0.55	10%	Pass
GSM 850	824-849	28.8	1.7	0.0	30.5	1122	20	0.223	0.55	41%	Pass
GSM 1900	1850-1910	24.7	3.0	0.0	27.7	589	20	0.117	1.00	12%	Pass
BLE	2400-2483.5	1.7	3.0	0.0	4.7	3	20	0.001	1.00	0%	Pass
NFC	13.56	0.0	0.0	0.0	0.0	1	20	0.000	0.98	0%	Pass

### 2.4 Simultaneous transmission RF Exposure Levels

Simultaneous Transmissions - Percent of Limit

	BLE	NFC
WCDMA Band II	6%	6%
WCDMA Band V	10%	10%
GSM 850	41%	41%
GSM 1900	12%	12%
BLE		0%
NFC	0%	

Note: Highlighted color simply aids in identifying the highest level.

### 3 Revision History

Revision Level	Description of changes	Revision Date
0	Initial release	31 January 2017