

RF EXPOSURE REPORT

FOR

Applicant	:	SHENZHEN OTTO INTELLIGENCE TECHNOLOGY CO LTD
Address	:	RM. 101-102, BLDG, F13, F518 IDEA LAND, NO:1065 BAORYUAN RD, XLXLANG AVENUE, BAO-AN, SHENZHEN, CHINA
Equipment under Test	:	Hoverboard
Model No.	:	SWFT-FLH
Trade Mark	:	/
FCC ID	:	2APO6OTTO673
Manufacturer	:	SHENZHEN OTTO INTELLIGENCE TECHNOLOGY CO LTD
Address	:	RM. 101-102, BLDG, F13, F518 IDEA LAND, NO:1065 BAORYUAN RD, XLXLANG AVENUE, BAO-AN, SHENZHEN, CHINA

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park,
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REPORT

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TEST REPORT DECLARE

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Standard Used: KDB447498 D01 General RF Exposure Guidance v06

We Declare:

The equipment described above is assessed by Dongguan Dongdian Testing Service Co., Ltd and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Dongguan Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these assess.

After evaluation, our opinion is that the equipment In Accordance with above standard.

Report No:	DDT-R20083107-2E3		
Date of Receipt:	Sep. 11, 2020	Date of Test:	Sep. 11, 2020 ~ Sep. 25, 2020

Prepared By:

Sam Li

Sam Li/Engineer

Approved By:



Damon Hu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Sep. 25, 2020	

1. General information

1.1. Description of Equipment

EUT* Name	: Hoverboard
Model Number	: SWFT-FLH
EUT function description	: Please reference user manual of this device
Power Supply	: DC 36V Polymer Li-ion built-in battery : DC 42V by External power supply
Radio Specification	: Bluetooth V5.0
Operation Frequency	: 2402 MHz - 2480 MHz
Modulation	: GFSK, $\pi/4$ -DQPSK, 8DPSK
Data Rate	: 1 Mbps, 2 Mbps, 3 Mbps
Antenna Type	: Integral PCB antenna, maximum PK gain: 0 dBi
Serial Number	: N/A

Note: EUT is the abbreviation of equipment under test.

1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

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Guangdong Province, China, 523808

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com

CNAS Registration No. CNAS L6451; A2LA Certificate Number: 3870.01;

FCC Designation Number: CN1182; FCC Test Firm Registration Number: 540522

Industry Canada Site Registration Number: 10288A-1

2. RF Exposure evaluation for FCC

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where:

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

Estimation Result

Worse case is as below: [2402 MHz, -3.47 dBm, 0.45 mW) output power]

$(0.45/5) \cdot [\sqrt{2.402(\text{GHz})}] = 0.14 < 3.0$ for 1-g SAR

Then SAR evaluation is not required

END OF REPORT