

RF EXPOSURE REPORT

FOR

Applicant	:	Shenzhen Qianhai Walnut Technology Limited
Address	:	Blk 5, 111 Qianhai Shenzhen-HongKong Youth Innovation and Entrepreneur Hub 35 Liyumen Street Nanshan, Shenzhen 518052 Guangdong, PRC
Equipment under Test	:	Electric skateboard
Model No.	:	SPECTRA X
Trade Mark	:	/
FCC ID	:	2AUC8SX01
Manufacturer	:	Shenzhen Qianhai Walnut Technology Limited
Address	:	Blk 5, 111 Qianhai Shenzhen-HongKong Youth Innovation and Entrepreneur Hub 35 Liyumen Street Nanshan, Shenzhen 518052 Guangdong, PRC

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

Add: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808

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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-R19031308-1E7		
Date of Receipt:	Apr. 01, 2019	Date of Test:	Apr. 01, 2019 ~ Sep. 09, 2019

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. 09, 2019	

1. General information

1.1. Description of Equipment

EUT* Name	: Electric skateboard
Model Number	: SPECTRA X
EUT function description	: Please reference user manual of this device
Power supply	: DC 25.2 V 2500mAh from Battery; DC 29.4V from AC/DC Adapter
Radio Specification	: Bluetooth 5.0
Operation frequency	: 2402 MHz-2480 MHz
Modulation	: GFSK
Data rate	: 1Mbps
Antenna Type	: Dedicated FPC antenna, maximum PK gain: 2.12 dBi
Sample Type	: Series production

1.2. Assess laboratory

Dongguan Dongdian Testing Service Co., Ltd.

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Guangdong Province, China, 523808

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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

Worse case is as below: [2402MHz, -0.18dBm 0.96mW) output power]

$(0.96/5) \cdot [\sqrt{2.402(\text{GHz})}] = 0.30 < 3.0$ for 1-g SAR

Then SAR evaluation is not required

END OF REPORT