



FCC RF EXPOSURE REPORT

For

Portable Floor Luminaire For Indoor And Outdoor Use

MODEL NUMBER: EDISON THE GIANT

FCC ID: 2ARLZEDISONTHEGIANT

REPORT NUMBER: 4788563096-F02-00

ISSUE DATE: Nov. 13, 2018

Prepared for

**Fatboy the Original b.v.
HET ZUIDERKRUIS 3, 5215MV'S-HERTOGENBOSCH, THE NETHERLANDS**

Prepared by

**UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch
Room 101, Building 10, Innovation Technology Park,
Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China
Tel: +86 769 33817100
Fax: +86 769 33244054
Website: www.ul.com**

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Revision History

Rev.	Issue Date	Revisions	Revised By
--	11/13/2018	Initial Issue	--



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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Fatboy the Original b.v.
Address: HET ZUIDERKRUIS 3, 5215MV'S-HERTOGENBOSCH,
THE NETHERLANDS

Manufacturer Information

Company Name: Dilead Technologies (Guangzhou) Co., Ltd.
Address: 4th Floor, No.5 Building, Chuang Xing Industrial Park, Sha Pu,
Xin Tang Town, Zeng Cheng District,
511340 GuangZhou City, China

EUT Description

EUT Name: Portable Floor Luminaire For Indoor And Outdoor Use
Model: EDISON THE GIANT
Brand Name: 
Sample Status: Normal
Sample ID: 03059
Sample Received Date: Sep. 05, 2018
Date of Tested: Sep. 29 2018~ Oct. 05 2018

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	Complies

Prepared By:



Chris chen
Engineer Project Associate

Checked By:



Shawn Wen
Laboratory Leader

Approved By:



Stephen Guo
Laboratory Manager



2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p>A2LA (Certificate No.: 4338.01) Shenzhen STS Test Services Co., Ltd. has been assessed and proved to be in compliance with A2LA.</p> <p>CNAS (Registration No.: L7649) Shenzhen STS Test Services Co., Ltd. has been assessed and proved to be in compliance with CNAS.</p> <p>FCC (FCC Designation No.: 625569) Shenzhen STS Test Services Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p>IC(Company No.: 12108A) Shenzhen STS Test Services Co., Ltd. has been registered and fully described in a report filed with Industry Canada. The Company Number is 12108A.</p>
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4. REQUIREMENT

LIMIT AND CALCULATION METHOD

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

RF EXPOSURE LIMIT

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (Minutes)
0.3 -- 1.34	614	1.63	(100)*	30
1.34 -- 30	824/f	2.19/f	(180/f ²)*	30
30 -- 300	27.5	0.073	0.2	30
300 -- 1500	--	--	f/1500	30
1500 -- 100,000	--	--	1.0	30

CALCULATION METHOD

$$S = PG / 4\pi R^2$$

Where:

S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

**CALCULATED RESULTS**

BLE Mode					
Frequency	Output Power	Output Power	Power Density	Limit	Test Result
MHz	dBm	mW	mW/cm ²	mW/cm ²	--
2402	1.46	1.40	0.00039	1	PASS

Note: 1. Antenna Gain=2dBi (Numeric 1.403), $\pi=3.1416$.

2. The Power comes from turn up power which declared by customer.

3. The minimum separation distance of the device is greater than 20 cm.

4. Calculate by WORST-CASE mode.

END OF REPORT