



FCC RF EXPOSURE REPORT

For

Wireless Multi Sensor

MODEL NUMBER: LRM1761/20

FCC ID: 2AGBW-LRM1761

IC: 20812-LRM1761

REPORT NUMBER: 4788001827-1

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Prepared for

Philips Lighting (China) Investment Co Ltd

Building 9, Lane 888, Tianlin Road, Minhang district Shanghai 200233 China

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

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
--	08/10/2017	Initial Issue	

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Philips Lighting (China) Investment Co Ltd
Address: Building 9, Lane 888, Tianlin Road, Minhang district Shanghai
200233 China

Manufacturer Information

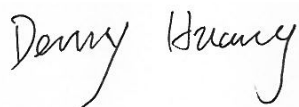
Company Name: Philips Lighting (China) Investment Co Ltd
Address: Building 9, Lane 888, Tianlin Road, Minhang district Shanghai
200233 China

EUT Description

Product Name: Wireless Multi Sensor
Brand Name: Philips
Model Name: LRM1761/20
Serial Number: N/A
Model Difference: N/A
Date Tested: July 20, 2017 ~ August 07, 2017

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	Complies

Tested By:



Denny Huang
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

Test Location	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Address	Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China
Accreditation Certificate	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. The Certificate Registration Number is 4102.01. UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The Designation Number is CN1187. UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. EMC Laboratory has been registered and fully described in a report filed with Industry Canada. The Company Number is 21320.

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

ZigBee Mode				
Output Power	Output Power	Power Density	Power Density Limit	Test Result
dBm	mW	mW/cm ²	mW/cm ²	--
3.6	2.291	0.0007	1.0	Complies

- Note: 1. Antenna Gain=1.6dBi (Numeric 1.45), $\pi=3.141$.
2. The minimum separation distance of the device is greater than 20 cm.
3. Calculate by WORST-CASE mode.

END OF REPORT