



RF Exposure Evaluation Report

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Product	
Trade mar	k
Model/Typ	e reference
Serial Num	nber
Report Nu	mber
FCC ID	
Date of Iss	ue
Test Stand	lards

led table lamp 2



M2A

N/A

PASS

EED32I00186102 ÷

2AI7B-M2A 5

Jul. 22, 2016

47 CFR Part 1.1307(2015) 47 CFR Part 1.1310(2015) KDB447498D01v06

Test result

Prepared for: **Ottlite Technologies Inc.** 220 West 7th Avenue, STE 100, Tampa, Florida, United States 33602

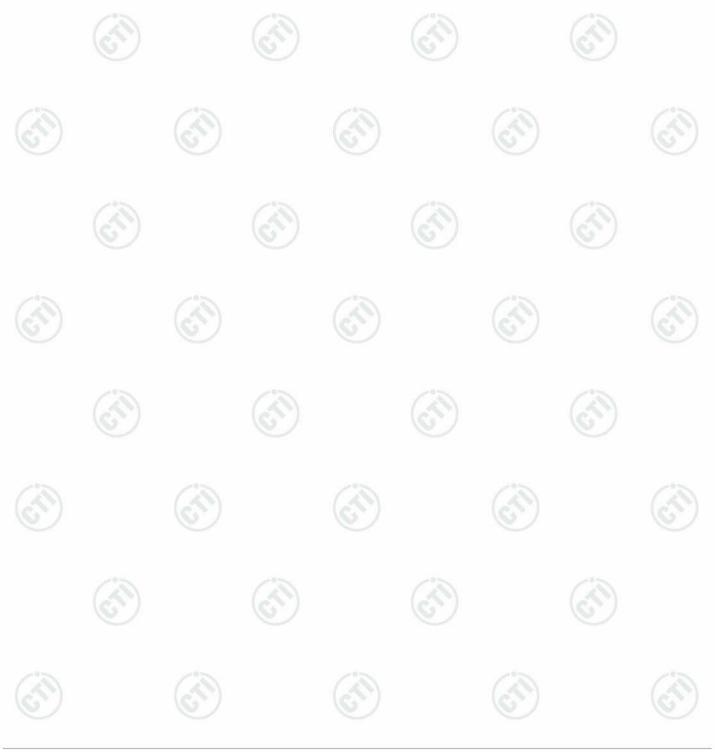
Prepared by: Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China TEL: +86-755-3368 3668 FAX: +86-755-3368 3385

Tom- chor Tested By: Compiled by: Tom chen (Test Project) Kevin lan (Project Engineer) Reviewed by: pproved by Sheek Luo (Lab supervisor) Kevin yang (Reviewer) Date: Jul. 22, 2016 Report Seal Check No.: 2402627121



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4 General Information

4.1 Client Information

Applicant:	Ottlite Technologies Inc.			
Address of Applicant:	220 West 7th Avenue, STE 100, Tampa, Florida, United States 33602			
Manufacturer: Shenzhen Feihe Electronics Co., Ltd				
Address of Manufacturer: 3/F, Bldg 3, Hongfa Innovative Park, Jiuwei, Bao'an district, Shenzhe				
Factory: Shenzhen Feihe Electronics Co., Ltd				
Address of Factory: 3/F, Bldg 3, Hongfa Innovative Park, Jiuwei, Bao'an district, Shenzhen, C				

4.2 General Description of EUT

Product Name:	led table lamp		_
Model No.(EUT):	M2A		
Trade Mark:	Ottlite	12	12
EUT Supports Radios application:	Bluetooth 2.1+EDR	(ST)	(de

4.3 Product Specification subjective to this standard

Operation Frequency:	2402MHz~2480MHz	
Bluetooth Version:	2.1+EDR	
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)	
Modulation Type:	GFSK, π/4DQPSK, 8DPSK	
Number of Channel:	79	-0-
Hopping Channel Type:	Adaptive Frequency Hopping systems	
Test Power Grade:	Low(manufacturer declare)	C
Test Software of EUT:	RF-LINK RNA RF Control kit U1.1.exe (manufacturer declare)	
Antenna Type:	Printed antenna	
Antenna Gain:	0dBi	
Test Voltage:	AC 120V/60Hz	
Conducted Peak Power:	-1.276dBm	
Sample Received Date:	Jun. 29, 2016	
Sample tested Date:	Jun. 29, 2016 to Jul. 22, 2016	
The tested sample and the	e sample information are provided by the client.	G





All tests were performed at:

4.4 Test Location

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Centre Testing International Group Co., Ltd. Hongwei Industrial Zone, Bao'an 70 District, Shenzhen, Guangdong, China 518101 Telephone: +86 (0) 755 3368 3668 Fax:+86 (0) 755 3368 3385 No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L1910

Centre Testing International Group Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories..



A2LA-Lab Cert. No. 3061.01

Centre Testing International Group Co., Ltd. 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.

FCC-Registration No.: 886427

Centre Testing International Group Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 886427.

IC-Registration No.: 7408A-2

The 3m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408A-2.

IC-Registration No.: 7408B-1

The 10m Alternate Test Site of Centre Testing International Group Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 7408B-1.

NEMKO-Aut. No.: ELA503

Centre Testing International Group Co., Ltd. has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10.

VCCI

The Radiation 3 &10 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-4096.









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Main Ports Conducted Interference Measurement of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-4563.

Telecommunication Ports Conducted Disturbance Measurement of

Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-2146.

The Radiation 3 meters site of Centre Testing International Group Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-758

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Conditions

None.

4.8 Other Information Requested by the Customer









RF Exposure Evaluation

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5.1 RF Exposure Compliance Requirement

5.1.1 Limits

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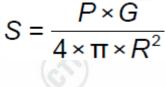
According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

TABLE 1-LIMITS FOR	MAXIMUM	PERMISSIBLE	EXPOSURE	(MPE)
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Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)			
(A) Lim	its for Occupational	/Controlled Exposure	es				
0.3–3.0	614	1.63	*(100)	6			
3.0–30	4.89/f	/f *(900/f²)	6				
30–300							
00–1500 f/300							
1500–100,000			5	6			
(B) Limits 1	ior General Populati	on/Uncontrolled Exp	osure				
0.3–1.34	614	1.63	*(100)	30			
1.34–30	824/f	2.19/f	*(180/f ²)	30			

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

A rough estimation of the expected exposure in power flux density on a given point can be made with the following equation:



Where: S = power density

P = power input to the antenna

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

R= distance to the centre of radiation of the antenna

radiator

EIRP = P*G

The antenna of the product, under normal use condition is at least 20 cm away from the body of the user.

Warning statement to the user for keeping at least 20cm separation distance and the prohibition of operating to a person has been printed on the user's manual. Therefore, the S of the device is calculated with R=20cm,

and if it is below the limit S, then we can conclude the device complies with the rules.

5.1.2 Test Procedure

Software provided by client enabled the EUT to transmit data at lowest, middle and highest channel individually.









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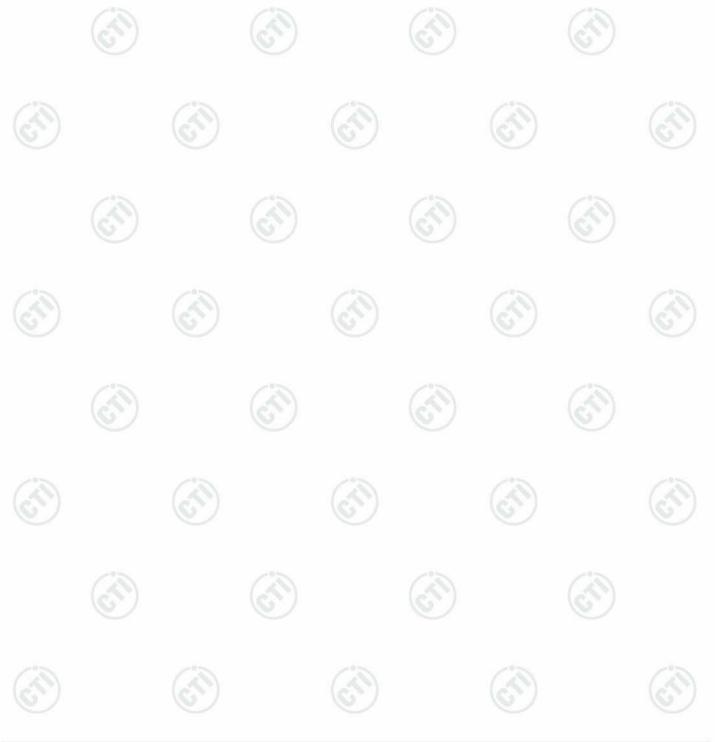
5.1.3 EUT RF Exposure Evaluation

Antenna Gain: 2dBi

Output Power Into Antenna & RF Exposure Evaluation Distance:

a	Channel	Frequency (MHz)	Max Conducted Peak Output Power(dBm)	Gain (dBi)	EIRP [*] (dBm)	EIRP (mW)	R (cm)	S (mW/cm²)	Limit (mW/cm²)	Result
6	Highest	2480	-1.276	0	-1.276	0.75	20	0.0001	1.0	Pass

Note: Refer to report No. EED32I00186101 for EUT test Max Conducted Peak Output Power value.



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PHOTOGRAPHS OF EUT Constructional Details

Refer to Report No. EED32I00186101 for EUT external and internal photos.

