

# TEST REPORT

**Product Name** : Smart Beacon Strip Light  
**Brand Mark** : N/A  
**Model No.** : 50618  
**FCC ID** : 2AQUQGE50618  
**Report Number** : BLA-EMC-202212-A2602  
**Date of Sample Receipt** : 2022/12/12  
**Date of Test** : 2022/12/13 to 2022/12/21  
**Date of Issue** : 2022/12/30  
**Test Standard** : 47 CFR Part 15, Part1.1307  
47 CFR Part 15, Part2.1093  
KDB447498 D01 General RF Exposure Guidance v06  
**Test Result** : Pass

Prepared for:

**Globe Electric Company Inc.**  
**150 Oneida, Montreal, Quebec, Canada, H9R 1A8**

Prepared by:

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Date: 2022/12/30



## REPORT REVISE RECORD

Version No.	Date	Description
00	2022/12/30	Original

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## 1 TEST SUMMARY

Test item	Test Requirement	Test Method	Class/Severity	Result
RF Exposure	47 CFR Part 1.1307, Part 2.1093, KDB 447498	CFR 47 Part 2.1093	CFR 47 Part 2.1093	PASS

## 2 GENERAL INFORMATION

<b>Applicant</b>	Globe Electric Company Inc.
<b>Address</b>	150 Oneida, Montreal, Quebec, Canada, H9R 1A8
<b>Manufacturer</b>	Globe Electric Company Inc.
<b>Address</b>	150 Oneida, Montreal, Quebec, Canada, H9R 1A8
<b>Factory</b>	Globe Electric Company Inc.
<b>Address</b>	150 Oneida, Montreal, Quebec, Canada, H9R 1A8
<b>Product Name</b>	Smart Beacon Strip Light
<b>Test Model No.</b>	50618

## 3 GENERAL DESCRIPTION OF E.U.T.

<b>Hardware Version</b>	1.0
<b>Software Version</b>	1.0
<b>Operation Frequency:</b>	2402MHz-2480MHz
<b>Modulation Type:</b>	GFSK
<b>Channel Spacing:</b>	2MHz
<b>Number of Channels:</b>	40
<b>Antenna Type:</b>	PCB Antenna
<b>Antenna Gain:</b>	1.09dBi

#### 4 LABORATORY LOCATION

All tests were performed at:  
BlueAsia Technical Services (Shenzhen) Co.,Ltd.  
No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen,  
Guangdong, China  
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673  
No tests were sub-contracted.

## 5 RF EXPOSURE COMPLIANCE REQUIREMENT

SAR evaluation

MPE Calculation Method

$$E \text{ (V/m)} = (30 \cdot P \cdot G)^{0.5} / d$$

$$\text{Power Density: } P_d \text{ (W/m}^2\text{)} = E^2 / 377$$

E = Electric Field (V/m)

P = Peak RF output Power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$P_d = (30 \cdot P \cdot G) / (377 \cdot d^2)$$

From the peak EUT RF output power, the minimum mobile separation distance,  $d=0.2\text{m}$ , as well as the gain of the used antenna, the RF power density can be obtained.

Directional Antenna Gain (Numeric)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
1.285mW ( 1.09dBi )	0.928mW ( -0.321dBm )	0.00023	1	Complies

**-----END OF REPORT-----**

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