



Report No.: PTC26042418402E-FC02

FCC TEST REPORT

FCC ID:2BBK8-LTG2835

Product	:	Floor Lamp
Model Name	:	Led01
Additional Model	:	N/A
Brand	:	N/A
Report No.	:	PTC26042418402E-FC02
Prepared for		
Shenzhen Laiji Lighting Co., Ltd		
306, Building B, No. 2, Dacheng Industrial Zone, Jihua Road, Longgang District, Shenzhen, China		
Prepared by		
Precise Testing & Certification Co., Ltd.		
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TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Laiji Lighting Co., Ltd
Address : 306, Building B, No. 2, Dacheng Industrial Zone, Jihua Road, Longgang District, Shenzhen, China
Manufacture's name : Shenzhen Laiji Lighting Co., Ltd
Address : 306, Building B, No. 2, Dacheng Industrial Zone, Jihua Road, Longgang District, Shenzhen, China
Factory : Shenzhen Laiji Lighting Co., Ltd
Address : 306, Building B, No. 2, Dacheng Industrial Zone, Jihua Road, Longgang District, Shenzhen, China
Product name : Floor Lamp
Model name : Led01
Additional Model : N/A
Test procedure : FCC CFR47 Part 1.1307(b)(1)
Test Date : May. 19, 2026 to Jun. 18, 2026
Date of Issue : Jun. 18, 2026
Test Result : PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink, appearing to read 'Jack Zhou'.

Jack Zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Manager



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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	part 2.1091.(i)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	Floor Lamp
Model Name	:	Led01
Additional Model	:	N/A
Differences Description	:	N/A
Specification	:	BLE
Operation Frequency	:	2400-2480MHz
Number of Channel	:	40 channels For DTS
Type of Modulation	:	GFSK For DTS
Antenna installation	:	PCB installation
Antenna Gain	:	1.68 dBi
Rated Power Supply	:	Input Voltage: DC 5V 2A 10W
Hardware Version	:	N/A
Software Version	:	N/A



4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density



4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } P_d \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

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

$$P_d = \frac{30 \times P \times G}{377 \times d^2} \theta_{\phi}$$

Antenna Gain (numeric) = $10^{(\text{Antenna Gain}/10)}$

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

4.4 Test Result

Test Mode	Test Frequency(MHz)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Result
BLE_2M	2440	1.4723	0.65	0.65 ± 1	1.4622	0.00043	1	Pass

Note: Sharing a single antenna, there is no simultaneous transmission situation.

*****THE END REPORT*****