



Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : LEEDARSON LIGHTING CO., LTD.
Xingda Road, Xingtai Industrial Zone, Changtai County, Zhangzhou,
Fujian

Manufacturer : LEEDARSON LIGHTING CO., LTD.
Xingda Road, Xingtai Industrial Zone, Changtai County, Zhangzhou,
Fujian

Equipment : Gateway

Type/Model : 5aA-GW-ZB-H0

Test Result : Pass

According to §2.1091, §2.1093 and §1.1307(b), 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 level in excess of the Commission’s guidelines.

The $S = PG / (4\pi R^2)$
 Where S = power density in mW/cm²
 P = transmit power in mW
 G = numeric gain of transmit antenna
 R = distance (cm)

As we can see from the test report 170201360SHA-001

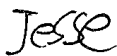
Frequency band (MHz)	Max power		Antenna Gain		R	S
2405-2480MHz	14.80dBm	30.20mW	0.3dBi	1.07	20cm	0.006

For the device can support simultaneous transmission, according to 447498 D01 General RF Exposure Guidance v06,


The sum of the MPE ratios = 0.006 mW/cm²

This level is below the simultaneous transmission MPE test exclusion requirements (≤ 1.0).

Date of issue: May 17, 2017

Prepared by: 

Jesse Xu (Project Engineer)

Reviewed by: 

Daniel Zhao (Reviewer)



Appendix I

Definition below must be outlined in the User Manual:

To satisfy FCC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.