



## Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : LEDVANCE LLC.  
200 Balaaardvale St. Wilmington MA 01887, USA

Manufacturer site : Ningbo Dongxing Electric Co., Ltd.  
Fenglin Industrial Development Zone, Qiaotou Town,  
Cixi, Ningbo, Zhejiang

Product Name : LIGHTIFY smart connected plug

Type/Model : 72922

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.**

Date of issue: August 31, 2016

Prepared by:

Nemo Li (Project engineer)

Approved by:

Daniel Zhao (Reviewer)



Power density (S) is calculated according to the formula:

$$S = PG / (4\pi R^2)$$

Where S = power density in mW/cm<sup>2</sup>

P = transmit power in mW

G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))

R = distance (cm)

As we can see from the test report 160702065SHA-001:

Frequency band	Power	Antenna Gain	R	S	Limits
(MHz)	dBm	dBi	(cm)	(mW/cm <sup>2</sup> )	(mW/cm <sup>2</sup> )
2400 -2483.5	10.91	0.0	20	0.0025	1

Note: 1 mW/cm<sup>2</sup> from 1.310 Table 1



## **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.