

**Statement of compliance to
Maximum Permissible Exposure (MPE)
No. 170502826SHA-002**

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

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

Product Name : SYLVANIA SMART+ plug, ZigBee enabled

Type/Model : 72922-A

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 15, 2017

Prepared by:



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Reviewed 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/cm²

P = transmit power in mW

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

R = distance (cm)

The calculations in the table below use the highest gain of antenna for client EUT. These calculations represent worst case in terms of the exposure levels.

Frequency band	Power		Antenna Gain		R	S	Limits
(MHz)	dBm	mW	dBi	(Numeric)	(cm)	(mW/cm ²)	(mW/cm ²)
2405 - 2475	9.24	8.39	0	1	20	0.002	1

Note: 1 mW/cm² 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.