

Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : Sichuan Huati Lighting Technology Co., Ltd.
580 Block 3 Shuanghua Road, Southwest Airport
Economic, Development Zone Shuangliu, Chengdu,
Sichuan, China

Manufacturer : Sichuan Huati Lighting Technology Co., Ltd.
580 Block 3 Shuanghua Road, Southwest Airport
Economic, Development Zone Shuangliu, Chengdu,
Sichuan, China

Product Name : Wireless Smart Lighting Controller

Type/Model : HTT-SLC-ZIG57U

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)

For BT, as we can see from the test report 170402116SHA-001

Frequency band (MHz)	Max power		Antenna Gain		R	S
2400-2483.5MHz	11.081dBm	12.83mW	2.0dBi	1.58	20cm	0.004

The sum of the MPE ratios = 0.004mW/cm²

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

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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.