



Statement of compliance to Maximum Permissible Exposure (MPE)

Applicant : Ningbo UTEC Electric Co.,Ltd
CN8 Far-east Industry Park Yuyao City Zhejiang
Province China

Manufacturer : Ningbo UTEC Electric Co.,Ltd
CN8 Far-east Industry Park Yuyao City Zhejiang
Province China

Equipment : Surface-mounted luminaire with LED

Type/Model : 3702

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 BLE, as we can see from the test report 160502874SHA-001

Frequency band (MHz)	Max power		Antenna Gain		R	S
2402-2480MHz	4.997dBm	3.16mW	4.52dBi	2.83	20cm	0.0017

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

The sum of the MPE ratios = $0.0017/1.0 = 0.0017$

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

Date of issue: Sep 08, 2016

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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.