FCC ID: 2AJM2UTEC2016

# 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 $mW/cm^2$
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).

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Prepared by: Jesse

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.