

## MPE Evaluation

**Applicant:** Guangzhou Pluslife Biotech Co., Ltd.

**FCC ID:** 2A5KN-PM001

**Model:** PM001

### RF Exposure Evaluation

#### RF Exposure Compliance Requirement

##### Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06 and FCC 1.1310 Radiofrequency radiation exposure limits for General Population/Uncontrolled Exposure.

#### EUT RF Exposure

##### Bluetooth (Classic mode):

The Max Output Power is 5.378 dBm in EDR mode Middle channel (2.441GHz);

Antenna gain: 3.18 dBi, gain of antenna in linear scale: 2.08 dBi

R=20cm

$$S = PG / (4 \pi R^2) = 0.00143 \text{ mW/cm}^2 < 1 (\text{limits}) \text{ mW/cm}^2$$

##### Bluetooth (BLE mode):

The Max Output Power is 2.317 dBm in Middle channel (2.440GHz);

Antenna gain: 3.18 dBi, gain of antenna in linear scale: 2.08 dBi

R=20cm

$$S = PG / (4 \pi R^2) = 0.00071 \text{ mW/cm}^2 < 1 (\text{limits}) \text{ mW/cm}^2$$

##### WIFI

The Max Output Power is 15.912 dBm in 802.11b mode channel (2.412GHz);

Antenna gain: 3.18 dBi, gain of antenna in linear scale: 2.08 dBi

R=20cm

$$S = PG / (4 \pi R^2) = 0.01615 \text{ mW/cm}^2 < 1 (\text{limits}) \text{ mW/cm}^2$$