

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

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