

MPE Evaluation

Applicant: Shenzhen Nanmi Industrial Co., Ltd.

FCC ID: 2A44P-NEWJ116

Model: NEWJ116

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 1.632 dBm in EDR mode (2DH5) Middle channel (2.441GHz);

Antenna gain: 1.6 dBi, gain of antenna in linear scale: 1.45 dBi

R=20cm

$$S = PG / (4 \pi R^2) = 0.00042 \text{ mW/cm}^2 < 1 (\text{limits}) \text{ mW/cm}^2$$

Bluetooth (BLE mode):

The Max Output Power is 0.003 dBm in lowest channel (2.402GHz);

Antenna gain: 1.6 dBi, gain of antenna in linear scale: 1.45 dBi

R=20cm

$$S = PG / (4 \pi R^2) = 0.00029 \text{ mW/cm}^2 < 1 (\text{limits}) \text{ mW/cm}^2$$