

MPE Evaluation

Applicant: LUIS Technology GmbH

FCC ID: 2BHEW-001202

Model: 001202

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

$$P_d = \frac{P G}{4 \pi R^2}$$

P_d = power density in mW/cm²

P = output power to antenna in mW

G = gain of antenna in linear scale

$$\pi = 3.14$$

R = distance between observation point and center of the radiator in cm

The Max Output Power is 17.367 dBm in Highest channel (2.412GHz);

Antenna gain: 3.12 dBi, gain of antenna in linear scale: 2.051

$R=20\text{cm}$

$$P_d = \frac{P G}{(4 \pi R^2)} = 0.022 \text{ mW/cm}^2 < 1 (\text{limits}) \text{ mW/cm}^2$$