



## Maximum Permissible Exposure

|                  |                       |
|------------------|-----------------------|
| FCC ID           | RN489896162-B0129     |
| Model No.        | B0129                 |
| RF Specification | 2.4GHz (2401~2478MHz) |

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

### Calculation Formula:

$$Pd = (Pout * G) / (4 * \pi * r^2)$$

Where

Pd = power density in mW/cm<sup>2</sup>

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

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

### Calculation Result:

| Mode   | Frequency Band (MHz) | Output Power (dBm) | Output Power (mW) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|--------|----------------------|--------------------|-------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 2.4GHz | 2401~2478            | 9.918              | 167.1             | 2                  | 20            | 0.0031                              | 1                           |