

MPE ESTIMATION

FCC ID: 2BFPE-ZY-245W

1, According to §1.1310, Limit for General Population/ Uncontrolled Exposures

| Frequency | Power density (mW/ cm ²) | Averaging time(minutes) |
|------------------|--------------------------------------|-------------------------|
| 300MHz----1.5GHz | F/1500 | 30 |
| 1.5GHz---100GHz | 1.0 | 30 |

Note: F= Frequency in MHz

2, Estimation Result

| | Frequency (MHz) | Max PK Output power(dBm) | Tune Up Power(dBm) | Max Tune Up power(mW) | Antenna Gain(dBi) | Antenna Gain (numerical) | MPE (mW/cm ²) |
|----------|-----------------|--------------------------|--------------------|-----------------------|-------------------|--------------------------|---------------------------|
| BLE | 2440 | 5.84 | 5±1(6) | 3.981 | 3.69 | 2.34 | 0.00185 |
| 2.4GWiFi | 2422 | 14.07 | 14±1(15) | 31.623 | 3.69 | 2.34 | 0.01472 |
| 5.8GWiFi | 5755 | 11.06 | 11±1(12) | 15.849 | 4.60 | 2.88 | 0.00910 |

$$Pd = \frac{P_{out} * G}{4\pi r^2} ;$$

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power in mW.

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna in cm

Conducted power see the test report **HK2506093005-1E/2E/3E**, 2.4G antenna gain=3.69dBi, 5.8G antenna gain=4.60dBi.

WiFi and Bluetooth cannot be transmitted at the same time.

When the minimum test separation distance is >20 cm, a distance of 20 cm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.01472mW/cm² which is< 1.0 mW/cm², RF Exposure testing is not required.

-----The End-----