

MPE ESTIMATION

FCC ID: 2ABD3-WR03M

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) |
|----------|-----------------|--------------------------|--------------------|-----------------------|-------------------|--------------------------|---------------------------|
| 2.4GWiFi | 2462 | 13.90 | 13±1(14) | 25.119 | 0 | 1.00 | 0.00500 |
| EDR | 2402 | -0.63 | -1±1(0) | 1.000 | -0.68 | 0.86 | 0.00017 |

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

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 **HK2506263441-1E/2E**, WIFI antenna gain=0dBi, BT antenna gain=-0.68dBi.

Synchronous launch evaluation: 2.4GWiFi+EDR=0.00500+0.00017=0.00517

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 0.00517 which is< 1.0, RF Exposure testing is not required.

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