

MPE ESTIMATION

FCC ID: 2ACFF-WD1401ARX

1, 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 |

2, Estimation Result

For 2.4G/5G:

| Mode | Max PK Output power(dBm) | Tune Up Power(dBm) | Max Tune Up power(mW) | Antenna Gain(dBi) | Antenna Gain (linear) | MPE (mW/cm ²) |
|-----------|--------------------------|--------------------|-----------------------|-------------------|-----------------------|---------------------------|
| 2.4G WIFI | 19.07 | 18.5±1(19.5) | 89.13 | 2.12 | 1.63 | 0.02890 |
| 5.2G WIFI | 13.48 | 13±1(14) | 25.12 | 2.1 | 1.62 | 0.00811 |
| 5.8G WIFI | 13.34 | 13±1(14) | 25.12 | 2.1 | 1.62 | 0.00811 |

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report **HK2212065505-1E/2E/3E**

2.4G antenna gain=2.12dBi

5G antenna gain=2.1dBi

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 0.02890 which is < 1.0, RF Exposure testing is not required.

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

Note: the device could not transmit simultaneously in 2.4G and 5G.