



MPE ESTIMATION

FCC ID: 2AW52-UCTT4401

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 |

Note: F= Frequency in MHz

2, Estimation Result

WIFI

| Mode | Max PK Output power(dBm) | Tune Up Power(dBm) | Max Tune Up power(mW) | Antenna Gain(dBi) | Antenna Gain (numerical) | MPE (mW/cm ²) |
|----------------|--------------------------|--------------------|-----------------------|-------------------|--------------------------|---------------------------|
| 2.4G WIFI Ant1 | 14.46 | 14±1(15) | 31.62 | 1 | 1.2589 | 0.00792 |
| 2.4G WIFI Ant2 | 14.52 | 14±1(15) | 31.62 | 1 | 1.2589 | 0.00792 |
| MIMO | / | / | / | / | / | 0.01584 |

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK1911273099-E**, Antenna port 1:1dBi and Antenna port 2:1dBi, MIMO:4.010dBi

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 0.01584mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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