

## MPE ESTIMATION

FCC ID: 2A3RF-XIAOPAOYIXP1

### 1, Limit for General Population/ Uncontrolled Exposures

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

### 2. Estimation Result

| Mode      | Max PK Output power(dBm) | Tune Up Power(dBm) | Max Tune Up power(mW) | Antenna Gain(dBi) | Antenna Gain (linear) | MPE (mW/cm <sup>2</sup> ) |
|-----------|--------------------------|--------------------|-----------------------|-------------------|-----------------------|---------------------------|
| Antenna 1 | 11.97                    | 11±1(12)           | 15.85                 | 2                 | 1.58                  | 0.00498                   |
| Antenna 2 | 13.12                    | 13±1(14)           | 25.12                 | 2                 | 1.58                  | 0.00790                   |
| MIMO      |                          |                    |                       |                   |                       | 0.01288                   |

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

Note:

Note: The estimation distance is 20cm

The device could not transmit simultaneously in WIFI

Note: PK Output power= conducted power.

Conducted power see the test report HK2109143503-E.

Antenna 1: 2dBi

Antenna 2: 2dBi

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 0.01288mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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