

## MPE Estimation

FCC ID: **2AXMF-ADA**

### 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

For BT/2.4G WIFI:

| 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> ) |
|-----------|--------------------------|--------------------|-----------------------|-------------------|-----------------------|---------------------------|
| 2.4G WIFI | 14.38                    | 14±1(15)           | 31.62                 | 3.16              | 2.07                  | 0.01303                   |
| BT        | 2.29                     | 2±1(3)             | 2                     | 3.18              | 2.08                  | 0.00083                   |

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report **HK2309134230-1E/-2E**,

2.4G antenna gain=3.16dBi.

BT antenna gain=3.18dBi.

simultaneously MPE=0.01303+0.00083=0.01386<1.0

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 0.01386 which is< 1.0, RF Exposure testing is not required.

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