

## MPE ESTIMATION

FCC ID: 2AZDX-G69

### 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 2.4G/5.8 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 | 18.94                    | 18±1(19)           | 79.43                 | 3.04              | 2.01                  | 0.03178                   |
| 5.8G WIFI | 11.80                    | 11±1(12)           | 15.85                 | 2.12              | 1.63                  | 0.00514                   |

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2212085564-1E/2E.

2.4G WIFI antenna gain=3.04dBi

5.8G WIFI antenna gain=2.12dBi

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 0.03178mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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

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