

MPE ESTIMATION

FCC ID: 2AZDX-Q4

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/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 ²) |
|-----------|--------------------------|--------------------|-----------------------|-------------------|-----------------------|---------------------------|
| 2.4G WIFI | 18.81 | 18±1(19) | 79.43 | 1 | 1.26 | 0.01990 |
| 5.8G WIFI | 13.23 | 13±1(14) | 25.12 | 1 | 1.26 | 0.00629 |

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2206232709-1E/2E.

antenna gain=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 0.01990mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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

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