



MPE ESTIMATION

FCC ID: 2AYJX-FO1SMART

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

2.4G WIFI

| Mode | Frequency (MHz) | Max PK Output power(dBm) | Tune Up Power(dBm) | Max Tune Up power(mW) | Antenna Gain(dBi) | Antenna Gain (linear) | MPE (mW/cm ²) |
|------|-----------------|--------------------------|--------------------|-----------------------|-------------------|-----------------------|---------------------------|
| WiFi | 2412 | 20.19 | 20±1(21) | 125.89 | 3.53 | 2.2542 | 0.05646 |

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2206242732-E**, antenna gain=3.53dBi

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 0.05646 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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