

MPE ESTIMATION

FCC ID: 2ATOT40005

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 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	20.66	20±1(21)	125.8925	1	1.2589	0.03155
$Pd = \frac{Pout * G}{4\pi r^2} ;$						
Note:						
Note: The estimation distance is 20cm The device could not transmit simultaneously in 2.4G						
Note: PK Output power= conducted power. Conducted power see the test report HK2009112587-E. 2.4G 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 0.03155mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

Note: the device could not transmit simultaneously in 2.4G

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