

MPE ESTIMATION

FCC ID: 2ALYJ-PCT513TY

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)
WIFI	18.33	18±1(19)	79.43	1	1.26	0.01992
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$ 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 HK2009273169-E. Gantenna 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 0.01992mW/cm² which is< 1.0mW/cm², RF Exposure testing is not required.

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