

MPE ESTIMATION
 FCC ID: **2ATCJ-PF1**

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)
11b	13.24	13±1(14)	25.12	0	1	0.00500
11g	10.53	10±1(11)	12.59	0	1	0.00251
11n/HT20	10.58	10±1(11)	12.59	0	1	0.00251
11n/HT40	9.90	9±1(10)	10.00	0	1	0.00199

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.
 Conducted power see the test report HK1911012818-E, antenna gain=0dBi.

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 0.0050mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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