



# MPE ESTIMATION

FCC ID: 2AVIC-IP530

## 1, Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Note: F= Frequency in MHz

## 2, Estimation Result

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 <sup>2</sup> )
2.4g WiFi	2437	11.48	11±1(12)	15.85	0	1	0.00315
5.8g WiFi	5745	10.98	10±1(11)	12.59	0	1	0.00251

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK1912243286-1E, HK1912243286-2E, 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 0.00315 mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, Compliance with RF Exposure requirement..

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