

# MPE ESTIMATION

FCC ID: 2AV9W-BC42AI

## 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> )
WiFi	2422	19.10	19±1(20)	100.00	1.59	1.4421	0.0289
$Pd = \frac{P_{out} * G}{4\pi r^2}$ ;							
Note:							
Note: The estimation distance is 20cm							
Note:							
PK Output power= conducted power.							
Conducted power see the test report HK2208243776-E, antenna gain=1.59dBi							

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 0.0289 mW/cm<sup>2</sup> which is< 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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