

# MPE ESTIMATION

FCC ID: 2BOLG-Q16

## 1, According to §1.1310, 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

	Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm <sup>2</sup> )
2.4G WiFi	2462	13.56	13±1(14)	25.119	1.93	1.56	0.00780
$Pd = \frac{P_{out} * G}{4\pi r^2}$ :							
Note:							
Note: The estimation distance is 20cm							
Note:							
PK Output power= conducted power in mW.							
G=power gain of the antenna in the direction of interest relative to an isotropic radiator							
R=distance to the center of radiation of the antenna in cm							
Conducted power see the test report <b>HK2502070422-E</b> , antenna gain=1.93dBi							

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 0.00780mW/cm<sup>2</sup> which is< 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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