

## MPE ESTIMATION

FCC ID: 2BQS3-S36

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

For WIFI:

Mode	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> )
2437	13.92	13±1(14)	25.12	3.04	2.01	0.01007
5180	9.22	9±1(10)	10	2.22	1.67	0.00332
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$						
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 HK2506273481-1E/2E, 2.4G WIFI: antenna gain=3.04dBi; 5.2G WIFI: antenna gain=2.22dBi						

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 0.01007 which is < 1.0, RF Exposure testing is not required.

Note: the device could not transmit simultaneously in 2.4G and 5G.

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