

# MPE ESTIMATION

FCC ID: 2ABD3-WR03M

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> )
2.4GWiFi	2462	13.90	13±1(14)	25.119	0	1.00	0.00500
EDR	2402	-0.63	-1±1(0)	1.000	-0.68	0.86	0.00017

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

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 **HK2506263441-1E/2E**, WIFI antenna gain=0dBi, BT antenna gain=-0.68dBi.

Synchronous launch evaluation: 2.4GWIFI+EDR=0.00500+0.00017=0.00517

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 0.00517 which is< 1.0, RF Exposure testing is not required.

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