

MPE ESTIMATION

FCC ID: 2AF5ZQW5

1, Limit for General Population/ Uncontrolled Exposures

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

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 (linear)	MPE (mW/cm ²)
2437	15.93	15±1(16)	39.81	3.25	2.11	0.01675
5180	8.66	8±1(9)	7.94	3.84	2.42	0.00383
5745	9.29	9±1(10)	10.00	1.20	1.32	0.00262

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2503101037-1E/-2E/3E,

2.4G antenna gain=3.25 dBi;

5.2G antenna gain=3.84 dBi

5.8G antenna gain=1.20 dBi

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 0.01675 which is < 1.0, RF Exposure testing is not required.

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

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