

MPE ESTIMATION

FCC ID: 2ALPX-OPYNIPIBK

1,Per FCC Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices, the 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

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 ²)
2.4G WIFI	2452	13.64	13±1(14)	25.12	3.7	2.34	0.01169
5.2G WIFI	5210	10.60	10±1(11)	12.59	3.7	2.34	0.00586

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2406143128-1E /2E**, antenna gain=3.7dBi

2.4g wifi and 5.2g wifi do not support simultaneous transmission.

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 0.01169 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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