

MPE ESTIMATION

FCC ID: **2ACFF-WD1401ARX**

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 2.4G/5G:

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)
2.4G WIFI	19.07	18.5±1(19.5)	89.13	2.12	1.63	0.02890
5.2G WIFI	13.48	13±1(14)	25.12	2.1	1.62	0.00811
5.8G WIFI	13.34	13±1(14)	25.12	2.1	1.62	0.00811

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report **HK2212065505-1E/2E/3E**

2.4G antenna gain=2.12dBi

5G antenna gain=2.1dBi

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 0.02890 which is < 1.0, RF Exposure testing is not required.

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

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