

MPE ESTIMATION

FCC ID: **2AUEY-X3**

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 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)
2.4G WIFI	15.45	15±1(16)	39.81	3.52	2.25	0.01782
5.2G WIFI	13.01	13±1(14)	25.12	3.01	2.00	0.01000
5.8G WIFI	13.17	13±1(14)	25.12	3.01	2.00	0.01000
$Pd = \frac{P_{out} * G}{4\pi r^2};$ Note: Note: The estimation distance is 20cm Note: PK Output power= conducted power. Conducted power see the test report HK2307243218-1E/-2E/3E, 2.4G antenna gain=3.52dBi. 5G antenna gain=3.01dBi.						

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 0.01782 which is < 1.0, RF Exposure testing is not required.

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

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