

MPE Estimation

FCC ID: **2AXMF-ADA**

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 BT/2.4G 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	14.38	14±1(15)	31.62	3.16	2.07	0.01303
BT	2.29	2±1(3)	2	3.18	2.08	0.00083

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report **HK2309134230-1E/-2E**,

2.4G antenna gain=3.16dBi.

BT antenna gain=3.18dBi.

simultaneously MPE=0.01303+0.00083=0.01386<1.0

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 0.01386 which is < 1.0, RF Exposure testing is not required.

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