

MPE ESTIMATION

FCC ID: **2BEAX-CP-X**

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+BT:

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)
2412	14.19	14±1(15)	31.62	3.17	2.07	0.01306
2441	9.78	9±1(10)	10.00	0.64	1.16	0.00231

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2401080125-1E/-2E,

2.4G WIFI antenna gain=3.17dBi;

BT antenna gain=0.64dBi;

2.4G WIFI MPE (max)= 0.01306 (mW/cm²)

BT MPE (max)= 0.00231 (mW/cm²)

simultaneously MPE=0.01306+0.00231=0.01537(mW/cm²)

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 0.01537 which is < 1.0, RF Exposure testing is not required.

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