

MPE Estimation

FCC ID: **2BE8Q-HT3566**

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	12.09	12±1(13)	19.95	2.06	1.61	0.00638
BT	0.76	1±1(2)	1.58	2.06	1.61	0.00051

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report **HK2401240523-1E/-2E**,

2.4G antenna gain=2.06dBi.

BT antenna gain=2.06dBi.

simultaneously MPE=0.00638+0.00051=0.00689<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 0.00689 which is< 1.0, RF Exposure testing is not required.

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