

MPE ESTIMATION

FCC ID: **2BFCX-X51**

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)
BLE	1.45	1±1(2)	1.58	0.59	1.15	0.00036
2.4G WIFI	13.47	13±1(14)	25.12	0.33	1.08	0.0054
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report HK2404151793-1E/2E						

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 0.0054 which is < 1.0, RF Exposure testing is not required.

Note: the device could not transmit simultaneously in BT and 2.4G WIFI

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