

MPE ESTIMATION

FCC ID: **2BFHT-T26D**

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/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	0.49	0.5±1(1.5)	1.41	3.46	2.22	0.00062
5.2G WIFI	8.02	8±1(9)	7.94	0.87	1.22	0.00193
5.8G WIFI	8.53	8±1(9)	7.94	1.37	1.37	0.00217
EDR	-0.74	-1.5±1(-0.5)	0.89	3.46	2.22	0.00039

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2402290877-1E/-2E/3E/4E,

BT+2.4G antenna gain=3.46dBi

5.2G antenna gain=0.87dBi.

5.8G antenna gain=1.37dBi.

BT MPE (max)= 0.00039 (mW/cm²)

5.8G WIFI MPE (max)= 0.00217 (mW/cm²)

simultaneously MPE=0.00039+0.00217=0.00256(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 0.00256 which is < 1.0, RF Exposure testing is not required.

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

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