

MPE ESTIMATION

FCC ID: **2BDJC-DJTV7**

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/5G 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)
BT	6.17	6±1(7)	5.01	1	1.26	0.00126
2.4G WIFI	18.13	18±1(19)	79.43	1	1.26	0.01990
5.2G WIFI	12.01	12±1(13)	19.95	1	1.26	0.00500

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report **HK2310275073-1E/-2E/3E**,

BT antenna gain=1dBi

2.4G antenna gain=1dBi.

5.2G antenna gain=1dBi.

BT MPE (max)= 0.00126 (mW/cm²)

2.4G WIFI MPE (max)= 0.01990 (mW/cm²)

5G WIFI MPE (max)= 0.00500 (mW/cm²)

simultaneously MPE=0.00126+0.01990+0.00500=0.02616(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 0.02616 which is < 1.0, RF Exposure testing is not required.

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

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