

MPE ESTIMATION

FCC ID: 2BG4T-P70

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 WIFI+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)
2.4G WIFI	13.86	13±1(14)	25.12	1.73	1.49	0.00745
BT	-4.44	-4±1(-3)	0.50	1.73	1.49	0.00015

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2409295739-1E/2E, antenna gain=1.73dBi.

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 0.00745 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-----