

MPE ESTIMATION

FCC ID: 2AXMF-TFH

1, According to §1.1310, 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 Bluetooth + 2.4GWiFi:

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)
2437	14.95	14±1(15)	31.62	3.37	2.17	0.01368
2480	0.58	0±1(1)	1.26	3.37	2.17	0.00054
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$ Note: Note: The estimation distance is 20cm Note: PK Output power= conducted power in mW. G=power gain of the antenna in the direction of interest relative to an isotropic radiator R=distance to the center of radiation of the antenna in cm Conducted power see the test report HK2506233325-1E/2E, antenna gain=3.37dBi;						

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 0.01368 which is < 1.0, RF Exposure testing is not required.

Note: the device could not transmit simultaneously in Bluetooth and 2.4GWIFI.

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