

MPE ESTIMATION

FCC ID: 2BL8W-SK-W02-US

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

Note: F= Frequency in MHz

2, Estimation Result

	Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm ²)
2.4G WiFi	2412	14.03	14±1(15)	31.623	1.37	1.37	0.00863
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$							
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 HK2505262705-E , antenna gain=1.37dBi.							

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 0.00863 mW/cm² which is < 1.0 mW/cm², RF Exposure testing is not required.

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