

MPE ESTIMATION

FCC ID: 2A9K2-DSALARM01

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 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	14.86	14±1(15)	31.62	2.21	1.66	0.01047
$Pd = \frac{P_{out} * G}{4\pi r^2};$ Note: Note: The estimation distance is 20cm Note: PK Output power = conducted power. Conducted power see the test report HK2506052942-E, antenna gain = 2.21dBi;						

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 0.01047 which is < 1.0, RF Exposure testing is not required.

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