

MPE ESTIMATION
FCC ID: 2A4FR-LSW-6

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

Note: F= Frequency in MHz

2, Estimation Result

	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)
BLE	2480	5.64	5±1(6)	1.26	2.73	1.87	0.00149
2.4G WiFi	2412	14.30	14±1(15)	31.62	2.73	1.87	0.01180

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

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 HK2510245832-1E /2E, antenna gain = 2.73dBi;

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 0.01047mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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