

MPE ESTIMATION
FCC ID: 2A8LW-AK001

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

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)
BT	0.23	0±1(1)	1.26	2.54	1.79	0.00045
2.4GWIFI	20.37	20±1(21)	125.89	2.54	1.79	0.04485
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
The device could not transmit simultaneously in 2.4G and BT.						
Note: PK Output power= conducted power.						
Conducted power see the test report HK2207143067-1E/2E.						
Gantenna gain=2.54dBi						

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 0.04485mW/cm² which is< 1.0mW/cm², RF Exposure testing is not required.

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