



# MPE ESTIMATION

FCC ID: 2A6CS-EC92

## 1, Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm <sup>2</sup> )	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 (numerical)	MPE (mW/cm <sup>2</sup> )
Zigbee	-3.51	-4±1(-3)	0.50	2.02	1.59	0.00016
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$						
Note:						
Note: The estimation distance is 20cm						
Note:						
PK Output power= conducted power.						
Conducted power see the test report <b>HK2203281260-E</b> , antenna gain=2.02dBi						

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 0.00016 mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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