



# MPE ESTIMATION

FCC ID: 2A83V-LKA5

1, Per FCC Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices, the 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

### 2.4G WIFI

Mode	Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm <sup>2</sup> )
BT	2402	4.33	4±1(5)	3.16	5	3.1623	0.00199

$$Pd = \frac{Pout * G}{4\pi r^2}$$

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2210284780-E**, antenna gain=5dBi

The certified sample is mobile device, 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 0.00199 mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF

Exposure testing is not required.

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