



MPE ESTIMATION

FCC ID: 2A5C8-CP608

1, Per FCC Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices, the 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	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 ²)
2.4G WiFi	2412	18.35	18±1(19)	79.43	2.61	1.8239	0.0288
5.2G WiFi	5190	10.59	10±1(11)	12.59	2.8	1.9054	0.0047
BT	2440	-0.54	0±1(1)	1.26	2.61	1.8239	0.0005

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK2304251651-1E/2E/3E, antenna gain=2.61dBi(2.4G WiFi+ BT), 2.8dBi(5.2G WiFi)

The certified sample is portable 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 0.0288 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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