

MPE ESTIMATION

FCC ID: 2ALU5-G130RX

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

For 2.4G /5GWIFI:

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)
2.4G WIFI	14.85	14±1(15)	31.623	4.54	2.8445	0.01790
5.2G WIFI	14.48	13.5±1(14.5)	28.184	4.54	2.8445	0.01596
5.8G WIFI	14.77	14±1(15)	31.623	4.54	2.8445	0.01790

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

Note:

Note: The estimation distance is 20cm

The device could not transmit simultaneously in 2.4G and 5G.

Note: PK Output power= conducted power.

Conducted power see the test report HK2108233063-1E/2E/3E,

2.4G antenna gain=4.54dBi.

5G antenna gain=4.54dBi.

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 0.01790mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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