

MPE ESTIMATION

FCC ID: 2AGKB-KA2

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 Ant1	13.67	13±1(14)	25.119	3	1.9953	0.00998
2.4G WIFI Ant2	12.82	12±1(13)	19.953	3	1.9953	0.00792
MIMO	/	/	/	/	/	0.01790
5.2G WIFI Ant1	13.85	13±1(14)	25.119	3	1.9953	0.00998
5.2G WIFI Ant2	12.94	12±1(13)	19.953	3	1.9953	0.00792
MIMO	/	/	/	/	/	0.01790
5.8G WIFI Ant1	11.37	10.5±1(11.5)	14.125	3	1.9953	0.00561
5.8G WIFI Ant2	11.42	10.5±1(11.5)	14.125	3	1.9953	0.00561
MIMO	/	/	/	/	/	0.01122

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

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 HK2101250270-1E/2E/3E,

2.4G antenna gain=3dBi.

5G antenna gain=3dBi.

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-----