



MPE ESTIMATION

FCC ID: 2A09Q-2GCA6B

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

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 (linear)	MPE (mW/cm ²)
2.4G WIFI Ant. 1	16.19	16±1(17)	50.12	3	1.9953	0.01990
2.4G WIFI Ant. 2	15.11	15±1(16)	39.81	3	1.9953	0.01580
MIMO	/	/	/	/	/	0.03570
5.8G WIFI Ant. 1	16.05	16±1(17)	50.12	3	1.9953	0.01990
5.8G WIFI Ant. 2	15.15	15±1(16)	39.81	3	1.9953	0.01580
MIMO	/	/	/	/	/	0.03570

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

Note:

Note: The estimation distance is 20cm

The device could not transmit simultaneously in 2.4G and 5.8G

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2201060061-1E/2E**, 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 0.03570 mW/cm^2 which is $< 1.0 \text{ mW/cm}^2$, RF Exposure testing is not required.

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