

MPE ESTIMATION

FCC ID: 2A9DX-C01

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

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)
WIFI	16.45	16±1(17)	50.12	2.54	1.79	0.01786

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

Note:

Note: The estimation distance is 20cm

The device could not transmit simultaneously in 2.4G.

Note: PK Output power= conducted power.

Conducted power see the test report HK2210194631-E.

Gantenna gain=2.54dBi

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 0.01786mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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