

MPE ESTIMATION

FCC ID: 2ADFS-POCKET-R-1

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/5.2 WIFI:

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	1.81	1±1(2)	1.58	3.04	2.01	0.00063
5.2G WIFI	12.24	12±1(13)	19.95	2.22	1.67	0.00663

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2211105048-1E/2E.

2.4G WIFI antenna gain=3.04dBi

5.2G WIFI antenna gain=2.22dBi

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 0.00663mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

Note: the device could not transmit simultaneously in 2.4G and 5G

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