

MPE ESTIMATION

FCC ID: 2A5TQ-G20

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/5G:

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	16.8	16±1(17)	50.12	-0.8	0.83	0.0083
5.2G WIFI	14.51	14±1(15)	31.62	2	1.58	0.00998
5.8G WIFI	15.28	15±1(16)	39.81	2	1.58	0.01256
$Pd = \frac{P_{out} * G}{4\pi r^2};$ Note: Note: The estimation distance is 20cm Note: PK Output power= conducted power. Conducted power see the test report HK2203010774-1E/2E/3E 2.4G antenna gain=-0.8dBi 5G antenna gain=2dBi						

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 0.01256mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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

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