

MPE ESTIMATION

FCC ID: **2A5TQ-R1-Q5**

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	13.87	13±1(14)	25.12	4.54	2.84	0.01422
5.2G WIFI	13.58	13±1(14)	25.12	4.54	2.84	0.01422
5.8G WIFI	13.38	12.5±1(13.5)	22.39	4.54	2.84	0.01268
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report HK2203010773-1E/2E/3E						
2.4G/5G antenna gain=4.54dBi						

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 0.01422mW/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.