MPE ESTIMATION

FCC ID: 2BFI9-SQ11

1,Per FCC Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices, the 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	Frequency (MHz)	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
2.4G WiFi	2462	12.96	12±1(13)	19.95	3	2.0	0.00792
5.8G WiFi	5745	0.30	-0.5±1(0.5)	1.12	3	2.0	0.00045

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

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK2501080161-1E/2E , antenna gain=3dBi,

Note: the device could not transmit simultaneously in 2.4g WiFi and 5.8g WiFi .

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 0.00792 mW/cm² which is< 1.0mW/cm², RF Exposure testing is not required.

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