

MPE ESTIMATION
FCC ID: 2AF5Z-QW6

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)
2.4G WIFI	12.14	12±1(13)	19.95	3.25	2.11	0.00839
5.8G WIFI	6.93	7±1(8)	6.31	1.2	1.32	0.00166

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power = conducted power.

Conducted power see the test report HK2503030877-1E/2E,

2.4G WIFI antenna gain = 3.25dBi, 5.8G WIFI antenna gain = 1.2dBi;

2.4G WIFI and 5.8G WIFI cannot be transmitted at the same time.

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 0.00839 which is< 1.0, RF Exposure testing is not required.

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