

MPE ESTIMATION

FCC ID: 2ASRO-AC2503

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

Note: F= Frequency in MHz

2, Estimation Result

	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm ²)
2.4GWiFi	15.02	15±1(16)	39.811	1.97	1.57	0.01247
5.8GWiFi	9.82	9±1(10)	10.000	1.39	1.38	0.00274

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2505072311-1E/2E**.

2.4G antenna gain=1.97dBi, 5.8G antenna gain=1.39dBi;

2.4GWiFi and 5GWiFi 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 0.01247mW/cm² which is< 1.0mW/cm², RF Exposure testing is not required.

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