



MPE ESTIMATION

FCC ID: 2A6WF-G850

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/cm ²)
2.4G WIFI	2437	13.23	13±1(14)	25.12	0.48	1.12	0.0056
5.8G WIFI	5825	7.52	7±1(8)	6.31	9.12	8.17	0.0103

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2408224863-1E/2E**, antenna gain=0.48dBi(2.4G WIFI), 9.12dBi(5.8G WIFI)

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 0.0103 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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