



MPE ESTIMATION

FCC ID: 2A5M6-M-1200DN

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

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 Ant. 1	2462	22.02	22±1(23)	199.53	2	1.5849	0.06291
2.4G WiFi Ant. 2	2412	23.01	23±1(24)	251.19	2	1.5849	0.07920
MIMO	2412	25.37	25±1(26)	398.11	5.010	3.1696	0.25104
5.2G WiFi Ant. 1	5200	14.43	14±1(15)	31.62	2	1.5849	0.00997
5.2G WiFi Ant. 2	5200	14.31	14±1(15)	31.62	2	1.5849	0.00997
MIMO	5190	16.34	16±1(17)	50.12	5.010	3.1696	0.03160
5.8G WiFi Ant. 1	5775	12.60	12±1(13)	19.95	2	1.5849	0.00629
5.8G WiFi Ant. 2	5775	11.73	11±1(12)	15.85	2	1.5849	0.00500
MIMO	5775	15.20	15±1(16)	39.81	5.010	3.1696	0.02510

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

Note:

Note: The estimation distance is 20cm

The device could not transmit simultaneously in 2.4G and 5G.



Note:

PK Output power= conducted power.

Conducted power see the test report **HK2202230641-1E/2E/3E**, antenna gain=2dBi

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 0.25104 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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