



MPE ESTIMATION

FCC ID: 2AWME-CHEWKELE12

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

2.4G WIFI

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 Ant1	2437	14.88	15±1(16)	39.81	2	1.5849	0.01255
2.4G WiFi Ant2	2412	14.94	15±1(16)	39.81	2	1.5849	0.01255
MIMO	/	/	/	/	/	/	0.02510
5.2G WiFi Ant1	5200	14.84	14±1(15)	31.62	2	1.5849	0.00997
5.2G WiFi Ant2	5180	14.52	14±1(15)	31.62	2	1.5849	0.00997
MIMO	/	/	/	/	/	/	0.01994

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report HK2004230855-1E/2E, 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 0.02510 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

Note: the device could not transmit simultaneously in 2.4G and 5G.

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