

MPE ESTIMATION
 FCC ID: A5M-LXP200

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)
EDR	-3.147	-4±1(-3)	0.50	1	1.26	0.00013
2.4G WIFI	17.00	16.5±1(17.5)	56.23	1	1.26	0.01410
5.2G WIFI	15.58	15±1(16)	39.81	1	1.26	0.00998
5.8G WIFI	16.53	16±1(17)	50.12	1	1.26	0.01257

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

Note:

Note: The estimation distance is 20cm

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

Note: PK Output power= conducted power.

Conducted power see the test report HK2109023247-1E/2E/3E/4E.

Gantenna gain=1dBi

BT and WIFI Simultaneous evaluation:

0.00013 mW/cm²+0.01410 mW/cm²=0.01423mW/cm²<1.

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 0.01423mW/cm² which is< 1.0mW/cm², RF Exposure testing is not required.

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