

MPE ESTIMATION

FCC ID: **2A8H2-PD450**

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)
BT	3.1	3±1(4)	2.51	1.56	1.43	0.00071
2.4G WIFI Ant1	18.08	18±1(19)	79.43	1.56	1.43	0.02261
2.4G WIFI Ant2	17.61	17±1(18)	63.10	1.56	1.43	0.01796
MIMO	/	/	/	/	/	0.04057
$Pd = \frac{P_{out} * G}{4\pi r^2};$						
Note:						
Note: The estimation distance is 20cm						
The device could not transmit simultaneously in 2.4G and BT.						
Note: PK Output power= conducted power.						
Conducted power see the test report HK2208243758-1E/2E						
Gantenna gain=1.56dBi						

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 0.04057mW/cm² which is< 1.0mW/cm², RF Exposure testing is not required.

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