

MPE ESTIMATION

FCC ID: **2BKV2-HDWE03**

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

For WIFI:

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)
2.4G WIFI ANT.1	14.07	14±1(15)	31.62	4.19	2.62	0.01649
2.4G WIFI ANT.2	13.45	13±1(14)	25.12	4.19	2.62	0.01310
MIMO	/	/	/	/	/	0.02959
5.8G WIFI ANT.1	9.44	9±1(10)	10	4.71	2.96	0.00589
5.8G WIFI ANT.2	9.30	9±1(10)	10	4.71	2.96	0.00589
MIMO	/	/	/	/	/	0.01178
$Pd = \frac{P_{out} * G}{4\pi r^2} :$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power. Conducted power see the test report HK2408164701-1E/2E, 2.4G antenna gain=4.19dBi. 5.8G antenna gain=4.71dBi.						

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 0.02959 which is < 1.0, RF Exposure testing is not required.

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

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