

MPE ESTIMATION

FCC ID: **2BBBN-VC70**

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)
2437	14.87	14±1(15)	31.62	1.66	1.47	0.00922
5745	8.93	8±1(9)	7.94	1.08	1.28	0.00203
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$ Note: Note: The estimation distance is 20cm Note: PK Output power= conducted power. Conducted power see the test report HK2412237988-1E/-2E, 2.4G antenna gain=1.66dBi. 5.8G antenna gain=1.08dBi.						

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 0.00922 which is < 1.0, RF Exposure testing is not required.

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

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