

## MPE ESTIMATION

FCC ID: TVV-PC26

### 1, Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm <sup>2</sup> )	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 <sup>2</sup> )
2.4G WIFI ANT.1	14.36	14±1(15)	31.62	3.59	2.29	0.01439
2.4G WIFI ANT.2	12.86	12±1(13)	19.95	3.59	2.29	0.00908
MIMO	/	/	/	/	/	0.02347
5.2G WIFI ANT.1	8.67	8±1(9)	7.94	3.50	2.24	0.00354
5.2G WIFI ANT.2	7.40	7±1(8)	6.31	3.50	2.24	0.00281
MIMO	/	/	/	/	/	0.00635
5.8G WIFI ANT.1	7.01	7±1(8)	6.31	3.85	2.43	0.00305
5.8G WIFI ANT.2	7.41	7±1(8)	6.31	3.85	2.43	0.00305
MIMO	/	/	/	/	/	0.00610

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2404081611-1E/-2E/3E,

2.4G antenna gain=3.59dBi

5.2G antenna gain=3.50dBi.

5.8G antenna gain=3.85dBi.

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 0.02347 which is < 1.0, RF Exposure testing is not required.

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

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