

## MPE ESTIMATION

FCC ID: **2AV9W-B40SYSTEM**

### 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

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> )
WIFI	23.18	23±1(24)	251.19	1	1.26	0.063

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

Note:

Note: The estimation distance is 20cm

The device could not transmit simultaneously in WIFI.

Note: PK Output power= conducted power.

Conducted power see the test report HK2203221105-E.

Gantenna gain=1dBi

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 0.063mW/cm<sup>2</sup> which is< 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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