

## MPE Estimation

FCC ID: 2AUSP-X1

### 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+BT:

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	8.74	8±1(9)	7.94	1.94	1.56	0.00247
BT	1.70	1±1(2)	1.58	1.94	1.56	0.00049

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report DL-240604013-1ER/2ER, antenna gain=1.94dBi.

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 0.00247 which is < 1.0, RF Exposure testing is not required.

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

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