

**MPE ESTIMATION**

**FCC ID: 2AW55-AP101**

**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 2.4G 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> )
BLE	-12.831	-13±1(-12)	0.06	1	1.2589	0.00002
EDR	-1.145	-2±1(-1)	0.79	1	1.2589	0.0002
2.4G WIFI	22.15	22±1(23)	199.53	1	1.2589	0.05

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report HK2007131938-1E/2E/3E

BTGantenna gain=1dBi

2.4Gantenna 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 1 mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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