MPE ESTIMATION

FCC ID: **2AUSP-BABY5SM**

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 2.4G/915M:

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
915M	14.93	14±1(15)	31.62	-1.55	0.70	0.00441
2.4G WIFI	18.16	18±1(19)	79.43	1.36	1.37	0.02162

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

Note: The estimation distance is 20cm

Note: PK Output power= conducted power.

Conducted power see the test report **HK2209194177**-1E/2E.

915M antenna gain=-1.55dBi

2.4G WIFI antenna gain=1.36dBi

2.4G WIFI MPE (max)= 0.02162 (mW/cm²)

915M MPE (max)= 0.00441 (mW/cm²)

simultaneously MPE= 0.02162+0.00441=0.02603

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 0.02603 which is< 1.0, RF Exposure testing is not required.

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