MPE ESTIMATION

FCC ID: 2AY6T-AA0602BA08

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

Note: F= Frequency in MHz

2, Estimation Result

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (numerical)	MPE (mW/cm^2)
2.4G WIFI	10.44	10±1(11)	12.589	1	1.2589	0.00315
BLE	-11.659	-11±1(-10)	0.100	0	1	0.00002
EDR	-10.084	-10±1(-9)	0.126	0	1	0.00003

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 **HK2102230433-1E/2E/3E**,

BT antenna gain=0dBi

2.4GWIFI antenna gain=1dBi

simultaneously MPE

2.4G WIFI MPE $_{(max)}$= 0.00315 (mW/cm^2)

BT MPE $_{(max)}$= 0.00003 (mW/cm^2)

simultaneously MPE=0.00315+0.00003=0.00318(mW/cm^2)

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 0.00318 mW/cm^2 which is< 1.0mW/cm^2, RF Exposure testing is not required.

Note: the device could transmit simultaneously in 2.4G and BT.

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