

## MPE ESTIMATION

FCC ID: 2BGAA-ST51K2430

### 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 2.4GWIFI:

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> )
2402	8.03	8±1(9)	7.94	-0.58	0.87	0.00138

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power = conducted power.

Conducted power see the test report HK2404191929-E, antenna gain = -0.58dBi;

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 0.00138 which is < 1.0, RF Exposure testing is not required.

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