

## MPE ESTIMATION

FCC ID: 2BQLB-BF242

### 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> ) |
|---|---------------------------|---------------------|------------------------|--------------------|-----------------------|---------------------------|
| 2437  | 13.73                     | 13±1(14)            | 25.12                  | 3.46               | 2.22                  | 0.01109                   |
| $Pd = \frac{Pout * G}{4\pi r^2}$  |                           |                     |                        |                    |                       |                           |
| Note:   |                           |                     |                        |                    |                       |                           |
| Note: The estimation distance is 20cm                                       |                           |                     |                        |                    |                       |                           |
| Note: PK Output power = conducted power.                                    |                           |                     |                        |                    |                       |                           |
| Conducted power see the test report HK2506173171-E, antenna gain = 3.46dBi; |                           |                     |                        |                    |                       |                           |

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 0.01109 which is < 1.0, RF Exposure testing is not required.

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