

## MPE ESTIMATION

FCC ID: 2AVKP-BF-BS01

### 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> ) |
|-----------|---------------------------|---------------------|------------------------|--------------------|-----------------------|---------------------------|
| Antenna 1 | 13.77                     | 14±1(15)            | 31.62                  | 4.73               | 2.97                  | 0.01870                   |
| Antenna 2 | 12.31                     | 13±1(14)            | 25.12                  | 2.63               | 1.83                  | 0.00916                   |
| MIMO      | /                         | /                   | /                      | /                  | /                     | 0.02786                   |

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

Note:

Note: The estimation distance is 20cm

Note: PK Output power = conducted power.

Conducted power see the test report HK2501090212-E,

Antenna 1 gain = 4.73dBi, Antenna 2 gain = 2.63dBi;

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 0.02786 which is < 1.0, RF Exposure testing is not required.

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