

## MPE ESTIMATION

FCC ID: 2AML8-MVOICE1010B

### 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 2.4G WIFI:

| 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> ) |
|----------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|-------------------|-----------------------|---------------------------|
| BT                                                                                                                   | 7.094                    | 6.5±1(7.5)         | 5.62                  | 0                 | 1                     | 0.00112                   |
| $Pd = \frac{P_{out} * G}{4\pi r^2} ;$<br>Note:                                                                       |                          |                    |                       |                   |                       |                           |
| Note: The estimation distance is 20cm<br>The device could not transmit simultaneously in BT.                         |                          |                    |                       |                   |                       |                           |
| Note: PK Output power= conducted power.<br>Conducted power see the test report HK2103020506-E.<br>Gantenna gain=0dBi |                          |                    |                       |                   |                       |                           |

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 0.00112mW/cm<sup>2</sup> which is< 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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