

## MPE ESTIMATION

FCC ID: 2AXMF-CTR69Q

### 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

| 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                                                                                                                                                                                                                                                                                | -1.14                    | -2±1(-1)           | 0.79                  | 3.18              | 2.08                  | 0.00033                   |
| 2.4G WIFI                                                                                                                                                                                                                                                                         | 21.53                    | 21±1(22)           | 158.49                | 3.16              | 2.07                  | 0.06530                   |
| $Pd = \frac{P_{out} * G}{4\pi r^2};$ <p>Note:</p> <p>Note: The estimation distance is 20cm</p> <p>Note: PK Output power= conducted power.</p> <p>Conducted power see the test report HK2302240508-1E/2E.</p> <p>BT antenna gain=3.18dBi</p> <p>2.4G WIFI antenna gain=3.16dBi</p> |                          |                    |                       |                   |                       |                           |

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 0.06530mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

Note: the device could not transmit simultaneously in BT and 2.4G

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