



# MPE ESTIMATION

FCC ID: 2AIDL-BT295

## 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                      |

Note: F= Frequency in MHz

## 2, Estimation Result

| Mode                                                                            | Max PK Output power(dBm) | Tune Up Power(dBm) | Max Tune Up power(mW) | Antenna Gain(dBi) | Antenna Gain (numerical) | MPE (mW/cm <sup>2</sup> ) |
|---------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|-------------------|--------------------------|---------------------------|
| EDR                                                                             | 4.12                     | 4±1(5)             | 3.16                  | 1.7               | 1.48                     | 0.00093                   |
| $Pd = \frac{Pout * G}{4\pi r^2} ;$                                              |                          |                    |                       |                   |                          |                           |
| Note:                                                                           |                          |                    |                       |                   |                          |                           |
| Note: The estimation distance is 20cm                                           |                          |                    |                       |                   |                          |                           |
| Note:                                                                           |                          |                    |                       |                   |                          |                           |
| PK Output power= conducted power.                                               |                          |                    |                       |                   |                          |                           |
| Conducted power see the test report <b>HK2209053962-E</b> , antenna gain=1.7dBi |                          |                    |                       |                   |                          |                           |

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 0.00093 mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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