



# MPE ESTIMATION

FCC ID: 2BB9L-FGS80B0

1, Per FCC Part 2.1091 Radiofrequency radiation exposure evaluation: mobile devices, the 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

| Frequency (MHz) | 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> ) |
|-----------------|--------------------------|--------------------|-----------------------|-------------------|-----------------------|---------------------------|
| 2480            | 2.37                     | 2±1(3)             | 2.00                  | 4.1               | 2.57                  | 0.00102                   |

$$Pd = \frac{Pout * G}{4\pi r^2}$$

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2307203148-E** , antenna gain=4.1dBi

The certified sample is portable device, 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 0.00102 mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF

Exposure testing is not required.

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