

# MPE ESTIMATION

FCC ID: 2BN6X-YC002

## 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

|          | Frequency<br>(MHz) | Max PK Output<br>power(dBm) | Tune Up<br>Power(dBm) | Max Tune Up<br>power(mW) | Antenna<br>Gain(dBi) | Antenna Gain<br>(numerical) | MPE<br>(mW/cm <sup>2</sup> ) |
|----------|--------------------|-----------------------------|-----------------------|--------------------------|----------------------|-----------------------------|------------------------------|
| 2.4GWiFi | 2462               | 13.34                       | 13±1(14)              | 25.119                   | 1.96                 | 1.57                        | 0.00785                      |

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2412167728-E**, antenna gain=1.96dBi.

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 0.00785mW/cm<sup>2</sup> which is < 1.0mW/cm<sup>2</sup>, RF Exposure testing is not required.

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