



MPE ESTIMATION

FCC ID: 2AW3Z-WRGBRGBAPLUS

1, Limit for General Population/ Uncontrolled Exposures

| Frequency | Power density (mW/ cm ²) | Averaging time(minutes) |
|------------------|--------------------------------------|-------------------------|
| 300MHz----1.5GHz | F/1500 | 30 |
| 1.5GHz---100GHz | 1.0 | 30 |

Note: F= Frequency in MHz

2, Estimation Result

WIFI

| Mode | Max PK Output power(dBm) | Tune Up Power(dBm) | Max Tune Up power(mW) | Antenna Gain(dBi) | Antenna Gain (numerical) | MPE (mW/cm ²) |
|------|--------------------------|--------------------|-----------------------|-------------------|--------------------------|---------------------------|
| BLE | -3.18 | -3±1(-2) | 0.631 | -0.58 | 0.8750 | 0.00011 |

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

Note:

Note: The estimation distance is 20cm

Note:

PK Output power= conducted power.

Conducted power see the test report **HK2007271966-E**, antenna gain=-0.58dBi

simultaneously MPE

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 0.00011 mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.

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