

MPE ESTIMATION

FCC ID: 2A2QE-YJ-312

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

| Mode | Max PK Output Power(dBm) | Tune Up Power(dBm) | Max Tune Up Power(mW) | Antenna Gain(dBi) | Antenna Gain (linear) | MPE (mW/cm ²) |
|----------|--------------------------|--------------------|-----------------------|-------------------|-----------------------|---------------------------|
| 11b | 12.72 | 12±1(13) | 19.95 | 0 | 1 | 0.003971 |
| 11g | 12.56 | 12±1(13) | 19.95 | 0 | 1 | 0.003971 |
| 11n/HT20 | 11.72 | 11±1(12) | 15.85 | 0 | 1 | 0.003155 |
| 11n/HT40 | 10.90 | 11±1(12) | 15.85 | 0 | 1 | 0.003155 |

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

Note:

Note: The estimation distance is 20cm.

Note: PK Output power=conducted power.

Conducted power see the test report UNIA22030414ER-61, antenna gain=0dBi.

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