

MPE ESTIMATION

FCC ID: 2AEWY-NL42

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 | 14.77 | 14±1(15) | 31.62 | 2.1 | 1.6218 | 0.010207 |
| 11g | 12.57 | 12±1(13) | 19.95 | 2.1 | 1.6218 | 0.006440 |
| 11n/HT20 | 12.35 | 12±1(13) | 19.95 | 2.1 | 1.6218 | 0.006440 |
| 11n/HT40 | 12.06 | 12±1(13) | 19.95 | 2.1 | 1.6218 | 0.006440 |

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

Note:

Note: The estimation distance is 20cm.

Note: PK Output power= conducted power.

Conducted power see the test report UNIA19112707ER-01, antenna gain=2.1dBi.

Conclusion: Compliance RF Exposure requirement.

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