

## MPE ESTIMATION

FCC ID: 2AKL2K55IPC

### 1. Limit for General Population/Uncontrolled Exposures

| Frequency     | Power Density(mW/cm2) | 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 <sup>2</sup> ) |
|---------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------|-----------------------|-------------------|-----------------------|---------------------------|
| 11b                                                                                                                 | 14.24                    | 14±1(15)           | 31.62                 | 3                 | 1.9953                | 0.012558                  |
| 11g                                                                                                                 | 12.89                    | 12±1(13)           | 19.95                 | 3                 | 1.9953                | 0.007923                  |
| 11n/HT20                                                                                                            | 11.86                    | 11±1(12)           | 15.85                 | 3                 | 1.9953                | 0.006295                  |
| $Pd = \frac{P_{out} * G}{4\pi r^2}$                                                                                 |                          |                    |                       |                   |                       |                           |
| Note:                                                                                                               |                          |                    |                       |                   |                       |                           |
| Note: The estimation distance is 20cm.                                                                              |                          |                    |                       |                   |                       |                           |
| Note: PK Output power=conducted power.<br>Conducted power see the test report UNIA21041202ER-05, antenna gain=3dBi. |                          |                    |                       |                   |                       |                           |

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