

11.MPE ESTIMATION

11.1.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 |

| Frequency(MHz) | Power density (mW/ cm ²) | Averaging time(minutes) |
|----------------|--------------------------------------|-------------------------|
| 2412 | 1 | 30 |
| 2437 | 1 | 30 |
| 2462 | 1 | 30 |

Note: F= Frequency in MHz

11.2. Estimation Result

| | | |
|--------------------------------|---------------------|----------------------|
| EUT: 300Mbps Wireless N Router | | |
| M/N: PW-RN501D | | |
| Test date:2012-08-31 | Pressure: 101.2 kpa | Humidity: 52.1% |
| Tested by: Leo-Li | Test site: RF Site | Temperature : 25.6°C |

| Cable loss: 1 dB | | Attenuator loss: 20 dB | | | | Antenna Gain: 3 dBi | |
|------------------|------|------------------------|-------------------------|-------------------|--------------------|-----------------------|--------|
| Test Mode | CH | Frequency (MHz) | Peak Output Power (dBm) | Output Power (mW) | Antenna Gain (dBi) | Antenna Gain (Linear) | MPE |
| 11b | CH1 | 2412 | 18.74 | 74.82 | 3 | 2.00 | 0.0297 |
| | CH6 | 2437 | 20.80 | 120.23 | 3 | 2.00 | 0.0477 |
| | CH11 | 2462 | 18.13 | 65.01 | 3 | 2.00 | 0.0258 |
| 11g | CH1 | 2412 | 22.93 | 196.34 | 3 | 2.00 | 0.0780 |
| | CH6 | 2437 | 25.66 | 368.13 | 3 | 2.00 | 0.1462 |
| | CH11 | 2462 | 20.62 | 115.35 | 3 | 2.00 | 0.0458 |
| 11n HT20 | CH1 | 2412 | 21.71 | 148.25 | 3 | 2.00 | 0.0589 |
| | CH6 | 2437 | 28.51 | 709.58 | 3 | 2.00 | 0.2818 |
| | CH11 | 2462 | 20.26 | 106.17 | 3 | 2.00 | 0.0422 |
| 11n HT40 | CH1 | 2422 | 20.79 | 119.95 | 3 | 2.00 | 0.0476 |
| | CH4 | 2437 | 28.92 | 779.83 | 3 | 2.00 | 0.3097 |
| | CH7 | 2452 | 20.47 | 111.43 | 3 | 2.00 | 0.0443 |