

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 |

11.2. Estimation Result

| | | |
|--------------------------------------------|---------------------|--------------------|
| EUT: 150Mbps Wireless N ADSL2+Modem Router | | |
| M/N: TD854W | | |
| Test date:2011-06-10 | Pressure: 101.6 kpa | Humidity: 45 % |
| Tested by: Leo-Li | Test site: RF Site | Temperature : 25°C |

| Cable loss: 1 dB | | Attenuator loss: 20 dB | | | | Antenna Gain: 2 dBi | |
|------------------|------|------------------------|-------------------------|-------------------|--------------------|-----------------------|--------|
| Test Mode | CH | Frequency (MHz) | Peak Output Power (dBm) | Output Power (mW) | Antenna Gain (dBi) | Antenna Gain (Linear) | MPE |
| 11b | CH1 | 2412 | 20.09 | 102.09 | 2 | 1.58 | 0.0322 |
| | CH6 | 2437 | 20.72 | 118.03 | 2 | 1.58 | 0.0372 |
| | CH11 | 2462 | 21.13 | 129.72 | 2 | 1.58 | 0.0409 |
| 11g | CH1 | 2412 | 19.5 | 89.13 | 2 | 1.58 | 0.0281 |
| | CH6 | 2437 | 19.84 | 96.38 | 2 | 1.58 | 0.0304 |
| | CH11 | 2462 | 19.98 | 99.54 | 2 | 1.58 | 0.0314 |
| 11n HT20 | CH1 | 2412 | 17.32 | 53.95 | 2 | 1.58 | 0.0170 |
| | CH6 | 2437 | 19.75 | 94.41 | 2 | 1.58 | 0.0298 |
| | CH11 | 2462 | 17.81 | 60.39 | 2 | 1.58 | 0.0191 |
| 11n HT40 | CH1 | 2422 | 17.42 | 55.21 | 2 | 1.58 | 0.0174 |
| | CH4 | 2437 | 19.75 | 94.41 | 2 | 1.58 | 0.0298 |
| | CH7 | 2452 | 17.81 | 60.39 | 2 | 1.58 | 0.0191 |

Note: The estimation distance is 20cm