

## 1.1. Test Result of RF Exposure Evaluation

- . Product: Atheros superG router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Transmit / Receive

### 1.1.1. Antenna Gain

The maximum Gain is 1.8 dBi.

### 1.1.2. EUT Operation condition

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

### 1.1.3. Output Power into Antenna & RF Exposure Evaluation Distance

Modulation Standard: IEEE 802.11b

Test Date: May. 16, 2006      Temperature: 25      Humidity: 70%

| Channel | Channel Frequency (MHz) | Output Power to Antenna (dBm) | Power Density (S) (mW/cm <sup>2</sup> ) |
|---------|-------------------------|-------------------------------|---|
| 01      | 2412                    | 17.91                         | 0.0190                                  |
| 06      | 2437                    | 18.44                         | 0.0210                                  |
| 11      | 2462                    | 17.83                         | 0.0180                                  |

Modulation Standard: IEEE 802.11g

Test Date: May. 16, 2006      Temperature: 25      Humidity: 70%

| Channel | Channel Frequency (MHz) | Output Power to Antenna (dBm) | Power Density (S) (mW/cm <sup>2</sup> ) |
|---------|-------------------------|-------------------------------|---|
| 01      | 2412                    | 14.05                         | 0.0080                                  |
| 06      | 2437                    | 13.14                         | 0.0060                                  |
| 11      | 2462                    | 13.13                         | 0.0060                                  |

The MPE is calculated as  $0.0210 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$ . So, RF exposure limit warning or SAR test are not required.

For 2412-2462 MHz, the EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference