## 1.1. Test Result of RF Exposure Evaluation

. Product: RANGEMAX ADSL MODEM GATEWAY

. Test Item: RF Exposure Evaluation Data

. Test site: OATSI-SD

. Test Mode: Normal Operation

1.1.1. Antenna Gain

The maximum Gain is 5.3 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: Oct. 21, 2005 Temperature: 25℃ Humidity: 60%

| Channel | Channel Frequency (MHz) | Output Power to Antenna (dBm) | Power Density (S) ($mW/cm^2$) |
|---|---|---|---|
| 01 | 2412 | 20.05 | 0.068 |
| 06 | 2437 | 20.43 | 0.074 |
| 11 | 2462 | 19.71 | 0.063 |

Modulation Standard: IEEE 802.11g

Test Date: Oct. 21, 2005 Temperature: 25℃ Humidity: 60%

| Channel | Channel Frequency (MHz) | Output Power to Antenna (dBm) | Power Density (S) ($mW/cm^2$) |
|---|---|---|---|
| 01 | 2412 | 22.31 | 0.115 |
| 06 | 2437 | 22.48 | 0.119 |
| 11 | 2462 | 21.82 | 0.103 |

Modulation Standard: 802.11 Super G

Test Date: Oct. 21, 2005 Temperature: 25℃ Humidity: 60%

| Channel | Channel Frequency (MHz) | Output Power to Antenna (dBm) | Power Density (S) ($mW/cm^2$) |
|---|---|---|---|
| 01 | 2412 | --- | --- |
| 06 | 2437 | 22.09 | 0.109 |
| 11 | 2462 | --- | --- |

The MPE is calculated as 0.119 mW / $cm^2$ < limit 1 mW / $cm^2$. So, RF exposure limit warning or SAR test are not required.