

1.1. Test Result of RF Exposure Evaluation

- . Product: 11g Wireless Broadband Router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

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: Dec. 20, 2005 Temperature: 24°C Humidity: 58%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	18.75	0.0023
06	2437	19.33	0.0026
11	2462	19.37	0.0026

Modulation Standard: IEEE 802.11g

Test Date: Dec. 20, 2005 Temperature: 24°C Humidity: 58%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	13.92	0.0070
06	2437	14.68	0.0090
11	2462	15.74	0.0110

The MPE is calculated as $0.0110 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.