

1.1. Test Result of RF Exposure Evaluation

- . Product: 54 Mbps ADSL Modem Wireless Router Model DG834G
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Transmit / Receive

1.1.1. Antenna Gain

The maximum Gain is 2.0 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. 12, 2006 Temperature: 24°C Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	23.10	0.0640
06	2437	25.03	0.1000
11	2462	23.04	0.0630

Modulation Standard: IEEE 802.11g

Test Date: Dec. 12, 2006 Temperature: 24°C Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	20.82	0.0380
06	2437	23.78	0.0750
11	2462	20.81	0.0380

The MPE is calculated as $0.1000 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.