

1.1. Test Result of RF Exposure Evaluation

- . Product: Wireless ADSL Modem Router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

Antenna 1 Gain is 2.0 dBi.
Antenna 2 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

Antenna 1,

Modulation Standard: IEEE 802.11b

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	13.02	0.0060
06	2437	12.86	0.0030
11	2462	12.29	0.0050

Modulation Standard: IEEE 802.11g

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	13.40	0.0070
06	2437	12.52	0.0060
11	2462	11.70	0.0050

Antenna 2,

Modulation Standard: IEEE 802.11b

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	12.58	0.0060
06	2437	12.69	0.0060
11	2462	12.00	0.0050

Modulation Standard: IEEE 802.11g

Test Date: Dec. 15, 2004 Temperature: 26 Humidity: 55%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	12.84	0.0060
06	2437	12.28	0.0050
11	2462	11.76	0.0050

The MPE is calculated as $0.0070 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.