

1.1. Test Result of RF Exposure Evaluation

- . Product: 802.11g Wireless Broad Band Router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

Antenna 1: The maximum Gain is 1.8dBi.
Antenna 2: The maximum Gain is 1.8dBi.

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: Sep. 24, 2004 Temperature: 27 Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	14.26	0.0080
06	2437	15.05	0.0096
11	2462	14.34	0.0082

Modulation Standard: IEEE 802.11g

Test Date: Sep. 24, 2004 Temperature: 27 Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	14.10	0.0077
06	2437	14.06	0.0077
11	2462	13.50	0.0067

Antenna 2

Modulation Standard: IEEE 802.11b

Test Date: Sep. 27, 2004 Temperature: 27 Humidity: 58%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	14.30	0.0081
06	2437	14.88	0.0093
11	2462	14.69	0.0089

Modulation Standard: IEEE 802.11g

Test Date: Sep. 27, 2004 Temperature: 27 Humidity: 58%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	14.02	0.0076
06	2437	14.08	0.0077
11	2462	13.65	0.0070

The MPE is calculated as $0.0093 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.