

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°C 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°C 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°C 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 $0.119 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.