

1.1. Test Result of RF Exposure Evaluation

- . Product: 1-Port Wireless ADSL Router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

Dipole antenna, 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

Test Date: Feb. 04, 2010

Temperature: 20°C

Atmospheric pressure: 1020 hPa

Humidity: 65%

| Modulation Standard | Channel | Frequency (MHz) | Output Power to Antenna (dBm) | Power Density (S) (mW/cm ²) |
|-------------------------|---------|-----------------|-------------------------------|---|
| 802.11b (11Mbps) | 01 | 2412 | 22.90 | 0.061 |
| | 06 | 2437 | 23.05 | 0.064 |
| | 11 | 2462 | 22.78 | 0.060 |
| 802.11g (54Mbps) | 01 | 2412 | 21.93 | 0.049 |
| | 06 | 2437 | 21.65 | 0.046 |
| | 11 | 2462 | 21.82 | 0.048 |
| 802.11n, HT20 (65Mbps) | 01 | 2412 | 21.88 | 0.049 |
| | 06 | 2437 | 21.79 | 0.048 |
| | 11 | 2462 | 21.88 | 0.049 |
| 802.11n, HT40 (130Mbps) | 03 | 2422 | 19.70 | 0.029 |
| | 06 | 2437 | 19.66 | 0.029 |
| | 09 | 2452 | 19.42 | 0.028 |

The MPE is calculated as $0.064 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.

For 2412-2462 MHz, the EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference.