

1.1. Test Result of RF Exposure Evaluation

- . Product: 3.75G Wireless-N Broadband Router
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

- Antenna 1 : 2.0dBi
- Antenna 2 : 2.0dBi

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

(1) Test Date: Oct. 29, 2009 Temperature: 27°C Humidity: 61%

Modulation Standards	Antenna Gain (dBi)	Minimum Separation Distance (cm)	Frequency (MHz)	Output Power to Antenna (dBm)	Power Density(s) (mW/cm ²)
802.11b (11Mbps)	2.0	20	2412	14.98	0.0099
802.11g (54Mbps)	2.0	20	2437	14.47	0.0088

(2) Test Date: Oct. 29, 2009 Temperature: 27°C Humidity: 61%

Modulation Standards	Antenna Gain (dBi)	Minimum Separation Distance (cm)	Frequency (MHz)	Output Power to Antenna (dBm)	Power Density(s) (mW/cm ²)
802.11n, HT20 (6.5Mbps)	2.0	20	2462	15.49	0.0112
802.11n, HT40 (13.5Mbps)	2.0	20	2422	12.51	0.0056

The MPE is calculated as $0.020\text{mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. 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.