

## 1.1. Test Result of RF Exposure Evaluation

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

### 1.1.1. Antenna Gain

The maximum Gain is 1.8 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: Aug. 15, 2006      Temperature: 23      Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	16.54	0.014
06	2437	16.84	0.015
11	2462	17.11	0.015

Modulation Standard: IEEE 802.11g

Test Date: Aug. 15, 2006      Temperature: 26      Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	13.20	0.006
06	2437	13.76	0.007
11	2462	14.06	0.008

Modulation Standard: IEEE 802.11MIMO

Test Date: Aug. 15, 2006      Temperature: 26      Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	16.12	0.012
06	2437	16.50	0.013
11	2462	16.56	0.014

Modulation Standard: IEEE 802.11MIMO

Test Date: Aug. 15, 2006

Temperature: 26

Humidity: 68%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	16.33	0.013
06	2437	16.51	0.013
11	2462	16.61	0.014

The MPE is calculated as  $0.015 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$ . 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.