1.1. Test Result of RF Exposure Evaluation

. Product: 802.11n High-speed 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 2.00 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: DSSS
Test Date: Sep. 30, 2008 Temperature: 25℃ Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	17.00	0.015811
06	2437	17.02	0.015884
11	2462	17.08	0.016105

Modulation Standard: OFDM
Test Date: Sep. 30, 2008 Temperature: 25℃ Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	14.00	0.007924
06	2437	14.03	0.007979
11	2462	14.11	0.008127

Modulation Standard: OFDM-20MHz
Test Date: Sep. 30, 2008 Temperature: 25℃ Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	13.00	0.006294
06	2437	13.06	0.006382
11	2462	13.19	0.006576

Modulation Standard: OFDM-40MHz
Test Date: Sep. 30, 2008 Temperature: 25℃ Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
03	2422	12.04	0.005046
06	2437	12.06	0.005069
09	2452	12.11	0.005128

The MPE is calculated as **0.016105** mW / cm^2 < limit 1 mW / cm^2. So, RF exposure limit warning or SAR test are not required.

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For 2412~2462 MHz, the EUT will only be used with a separation of 2.5cm 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.