


1.1. Test Result of RF Exposure Evaluation

- . Product: 802.11n High-speed Wireless LAN USB Adapter
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

1.1.1. Antenna Gain

The maximum Gain is 0.55 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. 26, 2008 Temperature: 25°C Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	12.45	0.003971
06	2437	12.46	0.003981
11	2462	12.66	0.004168

Modulation Standard: OFDM

Test Date: Sep. 26, 2008 Temperature: 25°C Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	12.48	0.003999
06	2437	12.49	0.004008
11	2462	12.44	0.003962

Modulation Standard: OFDM-20MHz

Test Date: Sep. 26, 2008 Temperature: 25°C Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
01	2412	11.36	0.003090
06	2437	11.32	0.003062
11	2462	11.68	0.003326

Modulation Standard: OFDM-40MHz

Test Date: Sep. 26, 2008 Temperature: 25°C Humidity: 60%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
03	2422	11.89	0.003491
06	2437	11.60	0.003266
09	2452	11.90	0.003499

The MPE is calculated as $0.004168 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. 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.