

## 1.1. Test Result of RF Exposure Evaluation

- . Product: 802.11b/g/n wireless USB adapter
- Test Item: RF Exposure Evaluation Data
- . Test site: OATS
- . Test Mode: Normal Operation

1.1.1. Antenna Gain The maximum Gain is 1.5 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: May 30, 2010 Temperature:24°C Humidity: 60%

**TX B MODE CH01, CH06, CH11**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	11.94	0.004395
<b>06</b>	<b>2437</b>	11.55	0.004017
11	2462	<b>11.95</b>	<b>0.004405</b>

Modulation Standard: OFDM

Test Date: May 30, 2010 Temperature:24°C Humidity: 60%

**TX G MODE CH01, CH06, CH11**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	<b>12.03</b>	<b>0.004487</b>
<b>06</b>	<b>2437</b>	11.73	0.004187
11	2462	11.86	0.004315

Modulation Standard: OFDM

Test Date: May 30, 2010 Temperature: 24°C Humidity: 60%

**TX N-20M MODE CH01, CH06, CH11**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
<b>01</b>	<b>2412</b>	11.76	0.004216
<b>06</b>	<b>2437</b>	12.01	0.004466
<b>11</b>	<b>2462</b>	<b>12.02</b>	<b>0.004477</b>

Modulation Standard: OFDM

Test Date: May 30, 2010 Temperature: 24°C Humidity: 60%

**TX N-40M MODE CH03, CH06, CH09**

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
<b>03</b>	<b>2422</b>	11.89	0.004345
<b>06</b>	<b>2437</b>	12.01	0.004466
<b>09</b>	<b>2452</b>	<b>12.02</b>	<b>0.004477</b>

The max out EIRP output power of this device is 12.03dBm which is below the threshold Level of 13.86dBm for SAR requirements, So, RF exposure limit warning or SAR test are not required.

a 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.