

## 1.1. Test Result of RF Exposure Evaluation

- . Product: HotPort Wireless Mesh Node
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD
- . Test Mode: Normal Operation

### 1.1.1. Antenna Gain

Antenna 1: The maximum Gain is 8.0 dBi.

Antenna 2: The maximum Gain is 3.0 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

(1)Antenna1: Modulation Standard: IEEE 802.11b

Test Date: Apr. 15, 2005      Temperature: 26      Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	17.12	0.065
06	2437	17.29	0.067
11	2462	17.48	0.070

(2)Antenna1:Modulation Standard: IEEE 802.11g

Test Date: Apr. 15, 2005      Temperature: 26      Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	17.22	0.066
06	2437	17.52	0.071
11	2462	17.42	0.069

(3)Antenna2: Modulation Standard: IEEE 802.11b

Test Date: Apr. 15, 2005      Temperature: 26      Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	17.12	0.020
06	2437	17.29	0.021
11	2462	17.48	0.022

(4)Antenna2:Modulation Standard: IEEE 802.11g

Test Date: Apr. 15, 2005

Temperature: 26

Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm <sup>2</sup> )
01	2412	17.22	0.021
06	2437	17.52	0.022
11	2462	17.42	0.022

The MPE is calculated as  $0.0220 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$ . So, RF exposure limit warning or SAR test are not required.