

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°C Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
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°C Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
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°C Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
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°C

Humidity: 65%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
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.