1.1. Test Result of RF Exposure Evaluation

. Product: Wireless Mini PCI Module

. Test Item: Test Result of RF Exposure Evaluation

. Test site: OATSI-SD

. Test Mode: Normal Operation

1.1.1. Antenna Gain

Antenna 1 Gain: The maximum Gain is 1.8dBi.

Antenna 2 Gain: The maximum Gain is 5.0dBi.

Antenna 3 Gain: The maximum Gain is 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

Antenna 1, Modulation Standard: IEEE 802.11b

Test Date: Apr. 24, 2004 Temperature: 24℃ Humidity: 61%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	15.15	0.0099
06	2437	14.43	0.0084
11	2462	13.55	0.0068

Modulation Standard: IEEE 802.11g

Test Date: Apr. 24, 2004 Temperature: 24℃ Humidity: 61%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	12.23	0.0050
06	2437	11.48	0.0042
11	2462	10.48	0.0034

The MPE is calculated as 0.0099 mW / cm^2 < limit 1 mW / cm^2. So, RF exposure limit warning or SAR test are not required.

Antenna 2, Modulation Standard: IEEE 802.11b

Test Date: Apr. 24, 2004 Temperature: 24℃ Humidity: 61%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	15.15	0.0206
06	2437	14.43	0.0175
11	2462	13.55	0.0142

Modulation Standard: IEEE 802.11g

Test Date: Apr. 24, 2004 Temperature: 24℃ Humidity: 61%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	12.23	0.0105
06	2437	11.48	0.0088
11	2462	10.48	0.0070

The MPE is calculated as 0.0206 mW / cm^2 < limit 1 mW / cm^2. So, RF exposure limit warning or SAR test are not required.

Antenna3, Modulation Standard: IEEE 802.11b

Test Date: Apr. 24, 2004 Temperature: 24℃ Humidity: 61%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	15.15	0.0065
06	2437	14.43	0.0055
11	2462	13.55	0.0045

Modulation Standard: IEEE 802.11g

Test Date: Mar. 24, 2004 Temperature: 24℃ Humidity: 61%

Channel	Channel Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
01	2412	12.23	0.0033
06	2437	11.48	0.0028
11	2462	10.48	0.0022

The MPE is calculated as 0.0065 mW / cm^2 < limit 1 mW / cm^2. So, RF exposure limit warning or SAR test are not required.