

Test Result of RF Exposure Evaluation

- . Product: IEEE 802.11 b/g/n WiFi Module
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD

Antenna Gain

Frequency Range: 2.412-2.462 GHz
Antenna type: Dipole Antenna
Antenna Gain: 2 dBi

EUT Operation condition

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

Output Power into Antenna & RF Exposure Evaluation Distance

Test Date: Apr. 26, 2012

Temperature: 24°C

Atmospheric pressure: 1020 hPa

Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
802.11b (11Mbps)	01	2412	19.03	0.025
	06	2437	19.15	0.026
	11	2462	19.10	0.026
802.11g (54Mbps)	01	2412	16.23	0.013
	06	2437	16.21	0.013
	11	2462	16.29	0.013
802.11n HT20 (65Mbps)	01	2412	15.25	0.011
	06	2437	15.34	0.011
	11	2462	15.28	0.011

The MPE is calculated as $0.026 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.