

Test Result of RF Exposure Evaluation

- . Product: USB Half-Mini-Card Wireless Module
- . Test Item: RF Exposure Evaluation Data
- . Test site: OATSI-SD

Antenna Gain

Frequency Range: 2.412-2.462 GHz
Antenna type: PCB Antenna
Antenna Gain: 2.15 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: May. 11, 2011

Temperature: 18

Atmospheric pressure: 1019 hPa

Humidity: 66%

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm ²)
802.11b (11Mbps)	01	2412	16.23	0.014
	06	2437	16.39	0.014
	11	2462	16.25	0.014
802.11g (54Mbps)	01	2412	14.13	0.008
	06	2437	14.12	0.008
	11	2462	14.39	0.009
802.11n HT20 (130Mbps)	01	2412	13.97	0.008
	06	2437	13.83	0.008
	11	2462	13.75	0.008
802.11n HT40 (270Mbps)	03	2422	11.38	0.004
	06	2437	11.33	0.004
	09	2452	11.35	0.004

The MPE is calculated as $0.014 \text{ mW} / \text{cm}^2 < \text{limit } 1 \text{ mW} / \text{cm}^2$. So, RF exposure limit warning or SAR test are not required.