Test Result of RF Exposure Evaluation

. Product: SMB Wireless N Gigabit VPN Router

. Test Item: RF Exposure Evaluation Data

. Test site: OATSI-SD

Antenna Gain

Frequency Range: 2.412-2.462 GHz
ANT 1, 2, 3:
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: Jun. 01, 2010   Temperature: 20℃

Atmospheric pressure: 1022 hPa   Humidity: 66%

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)			Power Density (S) (mW/cm^2)		
			Ant 1	Ant 2	Ant 3	Ant 1	Ant 2	Ant 3
802.11b (11Mbps)	01	2412	18.23	18.39	18.26	0.021	0.022	0.021
	06	2437	18.17	18.24	18.41	0.021	0.021	0.022
	11	2462	18.15	18.03	18.07	0.021	0.020	0.020
802.11g (6Mbps)	01	2412	17.09	17.38	17.19	0.016	0.017	0.017
	06	2437	17.34	17.57	17.19	0.017	0.018	0.017
	11	2462	17.22	17.26	17.08	0.017	0.017	0.016
802.11n HT20 (6.5Mbps)	01	2412	17.22			0.017		
	06	2437	17.27			0.017		
	11	2462	17.15			0.016		
802.11n HT40 (13.5Mbps)	03	2422	17.25			0.017		
	06	2437	17.34			0.017		
	09	2452	17.31			0.017		

The MPE is calculated as 0.022 mW / cm^2 < limit 1 mW / cm^2. So, RF exposure limit warning or SAR test are not required.