1.1. Test Result of RF Exposure Evaluation

. Product: RangeMax Dual Band Wireless-N Modem Router

. Test Item: RF Exposure Evaluation Data

. Test site: OATSI-SD

. Test Mode: Normal Operation

1.1.1. Antenna Gain

Ant3: Printed antenna, 0.37 dBi (5GHz Band)
Ant5: Printed antenna, 0.38 dBi (5GHz Band)

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

Test Date: Dec. 26, 2008 Temperature: 20℃

Atmospheric pressure: 1008 hPa Humidity: 60%

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/cm^2)
802.11a (54Mbps)	36	5180	13.40	0.010
	44	5220	13.55	0.011
	48	5240	13.53	0.011
802.11an HT20 (130Mbps)	36	5180	16.57	0.022
	44	5220	16.58	0.022
	48	5240	16.51	0.021
802.11an HT40 (270Mbps)	38	5190	16.39	0.021
	46	5230	16.40	0.021

The MPE is calculated as 0.010mW / cm^2 < limit 1 mW / cm^2. So, RF exposure limit warning or SAR test are not required.

For 5150-5250MHz, the EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference.