



## **RADIO FREQUENCY EXPOSURE**

### **LIMIT**

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See §15.247(b)(4) and §1.1307(b)(1) of this chapter.

### **EUT Specification**

|  |   |
|--|---|
| <b>EUT</b>   | Wireless-N Router   |
| <b>Frequency band (Operating)</b>  | <input checked="" type="checkbox"/> WLAN: 2.412GHz ~ 2.462GHz<br><input type="checkbox"/> WLAN: 5.18GHz ~ 5.32GHz / 5.50GHz ~ 5.70GHz<br><input type="checkbox"/> WLAN: 5.745GHz ~ 5825GHz<br><input type="checkbox"/> Others _           |
| <b>Device category</b>   | <input type="checkbox"/> Portable (<20cm separation)<br><input checked="" type="checkbox"/> Mobile (>20cm separation)<br><input type="checkbox"/> Others _____  |
| <b>Exposure classification</b>   | <input type="checkbox"/> Occupational/Controlled exposure ( $S = 5mW/cm^2$ )<br><input checked="" type="checkbox"/> General Population/Uncontrolled exposure ( $S = 1mW/cm^2$ )   |
| <b>Antenna diversity</b>   | <input type="checkbox"/> Single antenna<br><input checked="" type="checkbox"/> Multiple antennas<br><input checked="" type="checkbox"/> Tx diversity<br><input type="checkbox"/> Rx diversity<br><input type="checkbox"/> Tx/Rx diversity |
| <b>Max. output power</b>   | 24.55dBm (285.10mW)   |
| <b>Antenna gain (Max)</b>  | 2.80dBi (Numeric gain:1.90)   |
| <b>Evaluation applied</b>  | <input checked="" type="checkbox"/> MPE Evaluation<br><input type="checkbox"/> SAR Evaluation   |
| <b>Note:</b>   |   |
| 1. <i>The maximum output power is <u>24.55dBm (285.10mW)</u> at <u>2437MHz</u> (with <u>1.90 numeric antenna gain</u>.)</i><br>2. <i>For mobile or fixed location transmitters, no SAR consideration applied. The minimum separation generally be used is at least 20 cm, even if the calculations indicate that the MPE distance would be lesser.</i> |   |

### **TEST RESULT**

*No non-compliance noted.*

