

## Operational Description

This device is a NEXT Wireless Router, which operates in the 2.4GHz frequency spectrum with throughput of up to 270Mbps which OFDM technique will be applied. If the signal to noise ratio is too poor which could not support 270Mbps, the 11Mbps data rate with DSSS technique will be applied.

There are three dipole antennas provided to this EUT, all the antennas are the same.

The information of the antenna, please refer to the following table:

| Gain (dBi) | Cable lose(dB) | Antenna Type | Antenna Connector |
|------------|----------------|--------------|-------------------|
| 1.8        | 0.4            | Dipole       | HRS RF            |

1. The EUT incorporates a MIMO function with 802.11b, 802.11g, draft 802.11n. Physically, the card provides two completed transmit and three receivers.
2. The EUT is 3 \* 3 spatial MIMO without beam forming function.  
The antenna configuration have three transmitter antenna and three receiver antenna.  
Spatial multiplexing modes for simultaneous transmission using 3 antennas , and for simultaneous receiver using 3 antennas.
3. When the EUT operating in draft 802.11n, the software operation, which is defined by manufacturer, MCS (Modulation and Coding Schemes) from 0 to 15.
4. The EUT complies with draft 802.11n standards and backwards compatible with 802.11b, 802.11g products.
5. The EUT operates in the 2.4GHz frequency spectrum with throughput of up to 270Mbps.
7. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.