

Operational Description

This device is a Wireless-N Broadband Router, which operates in the 2.4GHz frequency spectrum with throughput of up to 135Mbps which OFDM technique will be applied. If the signal to noise rate is too poor which could not support 150Mbps, the 11Mbps data rate with DSSS technique will be applied.

1. The EUT must be supplied with a power adapter as following:

Adapter 1	
Brand:	Bestec
Model No.:	EA0061WAA
Input power :	AC100-240V, 0.5A, 50-60Hz
Output power :	DC 12V, 0.5A DC output cable (Unshielded, 1.8m)

Adapter 2	
Brand:	LEADER
Model No.:	MU06-6120050-A1
Input power :	AC100-240V, 0.5A, 50-60Hz
Output power :	DC 12V, 0.5A DC output cable (Unshielded, 1.5m)

2. The EUT was pre-tested in chamber under the following modes:

Test Mode	Description
Mode A	Level-set (Put on tabletop)
Mode B	Tower-set (Wall-mounted)

From the above modes, the worst case was found in **Mode B**. Therefore only the test data of the modes were recorded in this report.

3. The EUT incorporates a MIMO function with draft 802.11n. Physically, the EUT provides two completed transmitters and two receivers.
4. The EUT is 2 * 2 spatial MIMO without beam forming function. The antenna configuration is two transmitter antennas and two receiver antennas, as there are 2 antennas. Spatial multiplexing modes for simultaneous transmission using 2 antennas, and for simultaneous receiver using 2 antennas.
5. The EUT complies with draft 802.11n standards and backwards compatible with 802.11b, 802.11g products.
6. 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.