

Operational Description

This device is a Wireless N USB Adapter, which operates in the 2.4GHz frequency spectrum with throughput of up to 150Mbps 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. There are two antennas provided to this EUT, please refer to the following table:

| Transmitter Circuit | Antenna Type | Gain (dBi) | Antenna Connector | Note |
|---------------------|--------------|------------|-------------------|-----------------------|
| Chain(0) | Printed | -0.12 | NA | With TX & RX function |
| Chain(1) | Printed | -0.12 | NA | With RX function |

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

| Test Mode | Description |
|---------------|--------------------|
| Mode A | Without Cradle |
| Mode B | With Cradle |

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

3. The EUT incorporates a SIMO function with draft 802.11n. Physically, the EUT provides one completed transmitter and two completed receivers. The EUT is 1 * 2 spatial SIMO without beam forming function. The antenna configurations are one transmitter antenna and two receiver antennas, as there are 2 printed antennas. Spatial multiplexing modes for simultaneous transmission using 1 antenna, and for simultaneous receiver using 2 antennas.
4. The EUT complies with draft 802.11n standards and backwards compatible with 802.11b, 802.11g products.
5. 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.