

## Operational Description

This device is an 802.11n Wireless 1T1R 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. The transmitter of EUT is powered by host equipment.

### Note:

1. There is one antenna provided to this EUT, please refer to the following table:

Antenna Type	Gain (dBi)	Antenna Connector
PCB printed	-0.35	NA

2. The EUT has two brand names and two model names which are identical to each other in all aspects except for the following:

Brand	Model No.	Difference
NETRONIX	W121	For marketing different
Longshine	LCS-8131N2	

From the above models, model: W121 was selected as representative model for the test and its data was recorded in this report.

3. The EUT incorporates a SISO function with 802.11b, 802.11g, 802.11n. Physically, the EUT provides one completed transmitter and receivers.
4. The EUT is 1 \* 1 spatial SISO without beam forming function. The antenna configuration is one transmitter antenna and one receiver antenna, as there is 1 PCB printed antenna.
5. The EUT complies with 802.11n standards and backwards compatible with 802.11b, 802.11g products.
6. The EUT, operates in the 2.4GHz frequency range, lets you connect IEEE 802.11g or IEEE 802.11b and 802.11n technique devices to the network.
7. The above EUT information was declared by the manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.