Operational Description

This device is a Wireless 802.11n CardBus PC Card, 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 radio is too poor which could not support 300Mbps, 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:

No.	Antenna Type	Gain (dBi)	Antenna Connector
1	Printing	2	NA
2	Printing	2	NA

2. The EUT has three different brand names and three different models names, which are identical to each other in all aspects except for the followings :

Brand	Model No.
NETRONIX	W463
Longshine	LCS-8531N
ViSTOR	WFN-41

From the above models, model: **W463** was selected as representative model for the test and its data was recorded in this report.

3. The EUT incorporates a MIMO function with 802.11b, 802.11g, draft 802.11n. Physically, the EUT provides one completed transmit and two completed receivers.

4. The EUT is 1 * 2 spatial MIMO (1Tx & 2Rx) without beam forming function. The antenna configurations are one transmitter antenna and two receiver antennas, as there are 2 Printing antennas. Spatial multiplexing modes for simultaneous transmission using 1 antenna, 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.