Operational Description

This device is a 802.11 b/g/n Bat Palm Wireless USB adapter, which operates in the 2.4GHz frequency spectrum with throughput of up to 300Mbps which OFDM technique will be applied. If the signal to noise rate is too poor which could not support 300Mbps, the 11Mbps data rate with DSSS technique will be applied. The transmitter of EUT is powered by host equipment.

1. There are two antennas provided to this EUT, please refer to the following table:

Chain	Brand No.	Model No.	Gain (dBi)	Antenna Type	Connector	Frequency range (MHz to MHz)
Chain (0)	Aristotle	RFA-02-5-C7 M3-B70	5	dipole	RP-SMA	2400~2500
Chain (1)	Aristotle	RFA-02-5-C7 M3-B70	5	dipole	RP-SMA	2400~2500

2. The EUT incorporates a MIMO function with 802.11n. Physically, the EUT provides two completed transmitters and two completed receivers.

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

4. The EUT complies with 802.11n standards and backwards compatible with 802.11b, 802.11g products.

5. 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.

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.