

Operational Description

This device is a Wireless Mini PCI module, 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.

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

Chain	Manufacture	Model No.	Net Gain (dBi)	Cable Loss (dB)	Antenna Type	Connector
Chain (0)	WONDERFUL HI-TECH CO., LTD	THW2045A	1.01	1	1/4λ Dipole Sleeve	RP-SMA(M)
Chain (1)	WHA YU GROUP	C037-511033-A (SSR-93243)	1.8	0.6	Dipole	MHF

- The EUT incorporates a MIMO function with 802.11n. Physically, the EUT provides two completed transmitters and two completed receivers.
- 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.
- The EUT complies with 802.11n standards and backwards compatible with 802.11b, 802.11g products.
- The above EUT information was declared by manufacturer and for more detailed feature descriptions, please refer to the manufacturer's specifications or user's manual.