

Operational Description

This device is a IEEE 802.11b/g/n 1x1 WLAN Module, which operates in the 2.4GHz frequency spectrum with throughput of up to 135Mbps which OFDM technique will be applied. If the signal to noise rate is too poor which could not support 135Mbps, the 11Mbps data rate with DSSS technique will be applied. The transmitter of EUT is powered by host equipment.

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

No.	Antenna Type	Gain (dBi)	Antenna Connector
1	PCB Printed	2.93	NA
2	PCB Printed	2.08	NA

Note: From above antennas, antenna 1 was chosen for final test

2. The EUT incorporates a SISO function with 802.11b, 802.11g, draft 802.11n. Physically, the EUT provides one completed transmitter and receivers.
3. 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. There is one transmitter (featuring transmit diversity) and one receiver.
4. The EUT complies with draft 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 draft 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.