

2.2 OPERATIONAL DESCRIPTION

The EUT is Mini PCI interface and certification **Modular Approval**. The EUT powered by notebook. This EUT has two type antenna and non-simultaneously connect in PCB. The final test is chose 5dBi antenna. The other instruction, please look at user manual.

This is a digital transmission system (DTS) and have four type of modulation DBPSK, DQPSK, CCK/OFDM. The data rate are 1, 2, 5.5, 11, 6, 9, 12, 18, 24, 36, 48, 54Mbps

The equipment enables high-speed access without wires to network assets. This adapter uses the IEEE 802.11g protocol to enable wireless communications between the host computer and other computers.

2.3 TEST MODES & EUT COMPONENTS DESCRIPTION

The EUT will certification with two antenna and two antenna's cable. The final test is chose 5dBi antenna with 100mm length cable for final test.

List below

	Manufacturer	Model Nubmer	Antenna Type	Antenna Gain
ANT 1	Full Rise Electronic CO., LTD	AN-G1-XDC	$1/4 \lambda$ Dipole sleeuv	5dBi
ANT 2	Wanshih Electronic CO., LTD	WSS002	$1/4 \lambda$ Dipole sleeuv	2dBi

	Manufacturer	Model Nubmer	Cable Length	Cable Loss
Cable 1	Shen ChyunCO., LTD	Mini coaxial cable A'ssy	151mm	0.94dBi
Cable 2	Wanshih Electronic CO, LTD	RG178 cable Assembly	100mm	0.55dBi

Test Mode	Mode 1	Mode 2
	802.11b: 11Mbps	802.11g: 54Mbps