

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 Dipole sleev | 5dBi |
| ANT 2 | Wanshih Electronic CO., LTD | WSS002 | 1/4 Dipole sleev | 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 |