

EUT Description

Overview

The RF section of the EUT is a digitally modulated Spread Spectrum transceiver for use as a wireless LAN.

The EUT combines ADSL modem technology with a high performance wireless and flexible router function. It provides wired networking using Ethernet, and the convenience of 802.11b/g wireless. The optional uplink port transforms an Ethernet LAN port into an Ethernet WAN port for alternative access, including fiber, fixed wireless or connection to existing ADSL modems.

The 2.4 GHz antenna has a reverse polarity SMA connector on it. The antenna used is a 2 dBi monopole.

Detailed information

The TNETW1350A chipset based 802.11 b/g wireless LAN card (The Card) is intended for the integration into communication or computing host systems such as a DSL router / modem.

Mechanically, this card is built into the popular mini-PCI Type IIIB form factor so it can be easily inserted into a host system like a sub-system card.

Electrically, however, this 802.11b/g card only has the Texas Instruments' proprietary VLYNQ bus for the communication with host. The VLYNQ 2.6 is supported by 1350A. (two VLYNQ Interface at 1.8V or 3.3V(VLYNQ1, VLYNQ2)). And the card takes the 3.3V DC power from the host.

The radio connections between the wireless LAN card and external antenna is through the coax cable.