

Operational Description

FCC ID: CH8C90327WXX-06

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

VersaLink combines Westell's industry leading ADSL2+ modem technology with a high performance wireless and flexible router function. It provides wired networking using Ethernet and USB, 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.

Wireless Card Description

802.11b/g Wireless Lan Card

1. Device information and introduction

Model name	WCM500T
Product name	802.11b/g Wireless Lan Card
Hardware version	A10 (TI:000156, Revision:C3)
PCB Number	G01-WCM5T-A10
EEProm version	156.05.02.01
Interface	VLYNQ
Antenna connector type	Two HRS U.FL compatible connector on board

The 802.11g Wireless Lan Card is a device that lets you install inside the Access Point or wireless router. The TNETW1230 is a single-chip media access controller (MAC) and baseband processor built in an industry-smallest 12mm x 12mm package. This card Complied with IEEE 802.11b standard and IEEE 802.11g standard. The VLYNQ interface is the preferred interface to connect the TNETW1230 subsystem to TI's CPUs, since it has several advantages. First of all, VLYNQ provides a high-speed, low-pin count, low-cost, serial interface connection. Also, software developed for the VLYNQ interface can be reused in future designs that further integrate the AP host system with WLAN and other broadband subsystem using the low-cost VLYNQ interconnection.