

FCC ID: K4LNETCOM823RM

Description of Operation

EUT is a broadband wireless Wireless Net Com with 802.11b/g wireless technology. This EUT provides a convergence procedure for the 2, 5.5, and 11 Mbps mandatory 802.11b modes, and the optional CCK-OFDM modes at 6, 9, 12, 18, 24, 36, 48, and 54Mbit/s specification in which PSDUs are converted to and from PPDU. The device adapts Direct Sequence Spread Spectrum (DSSS) and Orthogonal Frequency Division Multiplexing (OFDM) modulation. The antenna used is dipole antenna, the connector is reversed SMA connector.

This 802.11b/g AP allows your computer to connect to a wireless network and to share resources, such as files or printers without being bound to the network wires. Operation in 2.4GHz Direct Sequence Spread Spectrum (DSSS) and Orthogonal Frequency Division Multiplexing (OFDM) radio transmission, the 802.11b/g AP transfers data at speeds up to 64/128-bit Wired Equivalent Protection (WEP) algorithm is used. In addition, its standard compliance ensures that it can communicate with any 802.11g network.

Product Details

EUT IS a Wireless NetCom Server 8 port (Rackmount) with IEEE 802.11b/g radio functions. Only the radio detail of WLAN is shown in the table below. For more detailed features description, please refer to the manufacturer's specifications or user's manual.

Items	Description
Product Type	WLAN
Radio Type	Intentional Transceiver
Power Type	AC 100-240V 47-63Hz, 25VA
Interface Type	RJ-45 / RS232x8
Modulation	DSSS for IEEE 802.11b ; OFDM for IEEE 802.11g
Data Modulation	DSSS (BPSK / QPSK / CCK) ; OFDM (BPSK / QPSK / 16QAM / 64QAM)
Data Rate (Mbps)	DSSS (1/ 2/ 5.5/11) ; OFDM (6/9/12/18/24/36/48/54)
Frequency Range	2400 ~ 2483.5MHz
Channel Number	11
Channel Band Width (99%)	11b: 15.20 MHz ; 11g: 16.48 MHz
Conducted Output Power	11b: 17.90 dBm ; 11g: 13.64 dBm
Carrier Frequencies	2412~2462 MHz
Antenna	Dipole Antenna

Table for Filed Antenna

Ant.	Antenna Type	Connector	Gain (dBi)
1	DIPOLE Antenna	SMA-reverse	2.0