

FCC ID: NDD9576280517

Description of Operation

EUT is a [MINO Wireless PCI](#) with 11 channels. This device provided 1/2/5.5/11/6/9/12/18/24/36/48/54 Mbps of transmitting speed. The device of RF carrier is DQPSK, DBPSK, CCK and OFDM. The device adapts direct sequence spread spectrum modulation. The antenna is [Dipole](#) Antenna.

This [MINO Wireless PCI](#) is an IEEE 802.11b/g Wireless LAN adapter and it supports Atheros Super G mode (108Mbps only for channel 6). It 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 Multiplex-ing (OFDM) radio transmission, the [MINO Wireless PCI](#) transfers data at speeds up to 64/128-bit Wired Equivalent Protection(WEP) algorithm and the new industrial-strength WPA (Wi-Fi Protected Access™) security is used. In addition, its standard compliance ensures that it can communicate with any 802.11b/g network.

Product Details

EUT IS a 802.11g MIMO Wireless LAN PCI Card with IEEE 802.11b/g MIMO 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	5V DC from host
Interface Type	PCI
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: 14.60 MHz ; 11g: 16.36 MHz
Conducted Output Power	11b: 17.18 dBm ; 11g: 18.49 dBm
Carrier Frequencies	2412-2462 MHz
Antenna	Dipole Antenna

Table for Filed Antenna

Ant.	Antenna Type	Connector	Gain (dBi)
1	Dipole Antenna	RP-SM	2.0

The EUT has two antenna for signal reception and one antenna for high power signal transmission. The specification of each antenna is the same.