Exhibit E............... User's Manual

EMTAC

A2422-2A

Wireless LAN PCMCIA Card

Operation Manual

EMTAC Technology Corporation

July7, 1998

FCC INFORMATION

The Federal Communication Commission Radio Frequency
Interference Statement includes the following paragraph:

This equipment has been tested and found to comply with the limits for
a Class B digital Device, pursuant to part 15 of the FCC Rules. These
limits are designed to provide reasonable protection against harmful
interference in a residential installation. This equipment generates, uses
and can radiate radio frequency energy and, if not installed and used in
accordance with the instruction, may cause harmful interference to radio
communication. However, there is no guarantee that interference will
not occur in a particular installation. If this equipment does cause
harmful interference to radio or television reception, which can be
determined by turning the equipment off and on, the user is encouraged
to try to correct the interference by one or more of following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into and outlet on a circuit different from that
  to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The user should not modify or change this equipment without written
approval from EMTAC TECHNOLOGY CORP. Modification could
void authority to use this equipment.

Package Contain

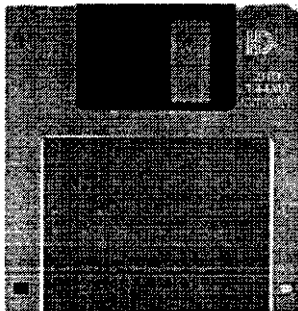The package should contain following items:

1.The wireless LAN PCMCIA card assembly.
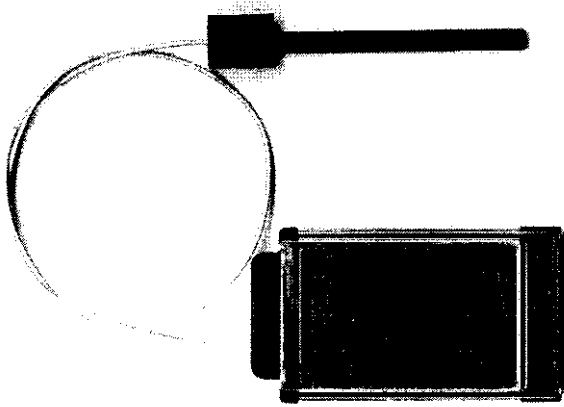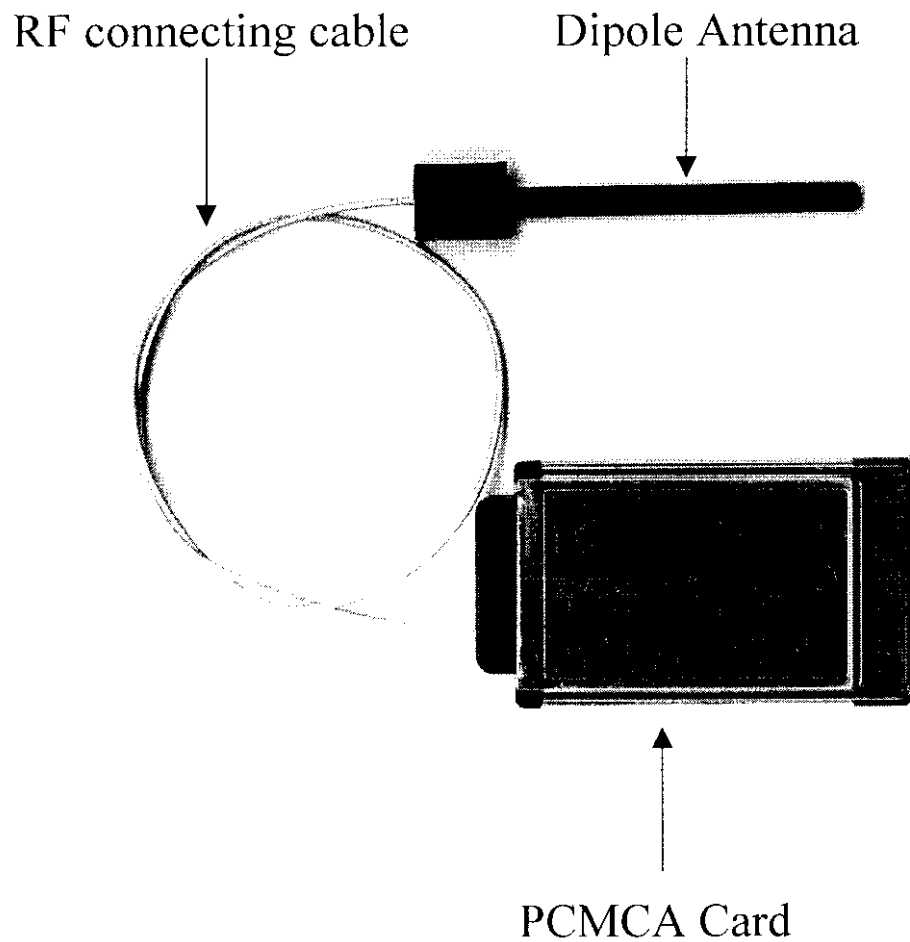

2.A pair of spare self stick interlocking fasteners.



3.The driver disk.

4.This Manual.

Hardware Overview

The EmTAC's wireless LAN PCMCIA Card consist of two parts, the PCMCIA card body and the dipole antenna, as shown below.

RF connecting cable   Dipole Antenna

PCMCA Card

The PCMCIA card body and the Dipole Antenna are connected by a piece of RG-178 RF cable. There is not any connector or replaceable part use in the assembly.
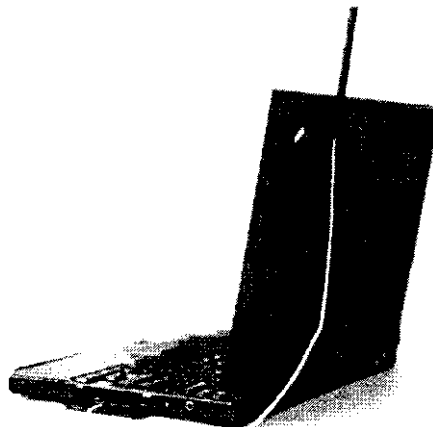
Installation

- Step1, Insert the PCMCIA card into one of the PAMCIA slot that built-in the Notebook/Desktop PC.
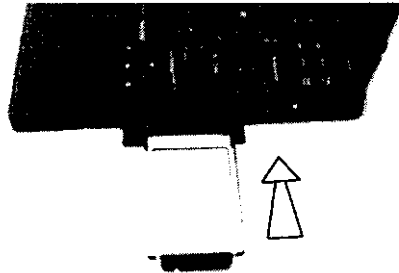
- Step2, Clean the surface of where the antenna to be attached. Make sure surfaces are dry and dust free.
- Step3, Peel the protective thin film on the sticker of antenna holder.
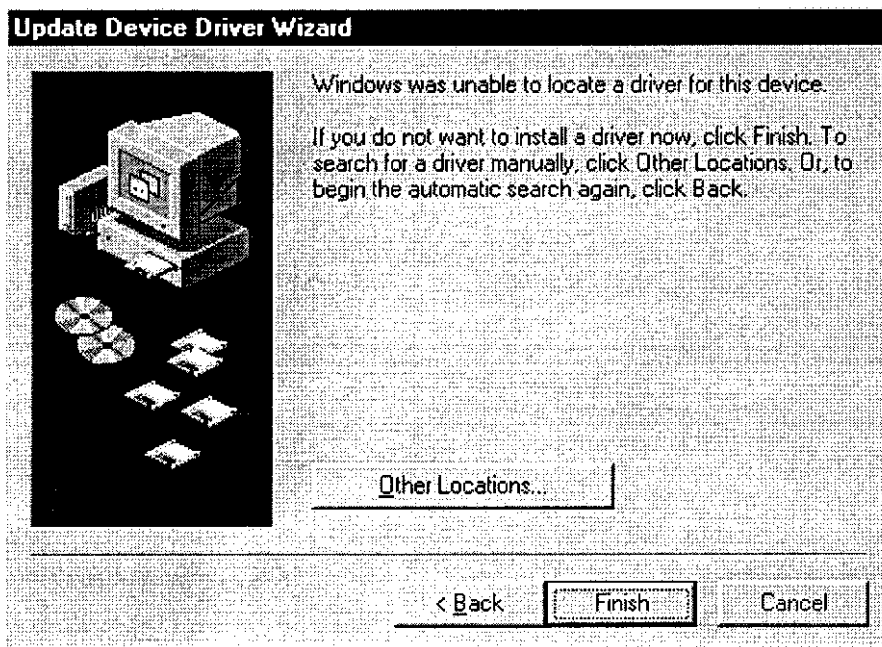
- Step4, Press the antenna holder onto the appropriate surface that had been cleaned.

- Step5, Turn on the power of Notebook/Desktop PC, and boot-up with Win95.
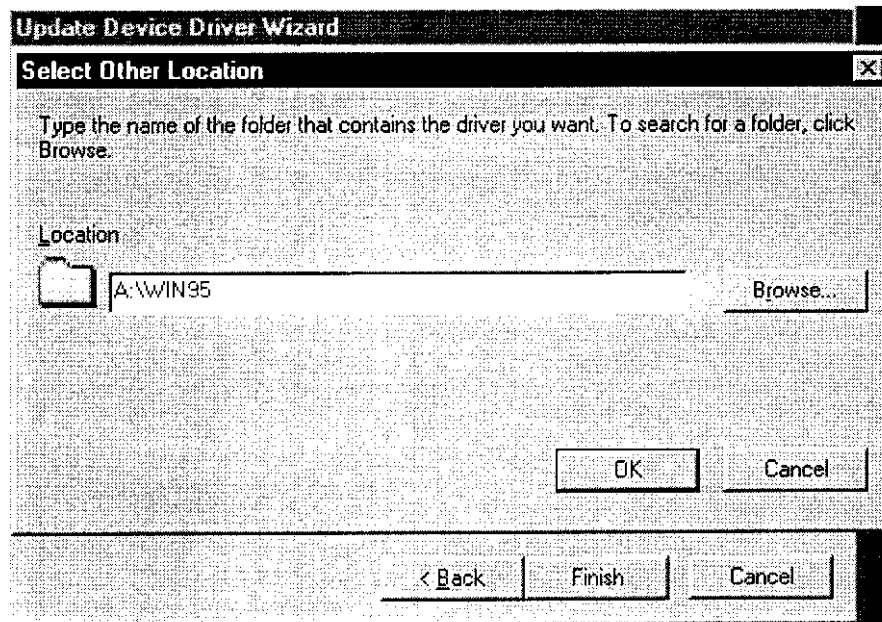- Step6, After the windows system boot-up, and the screen shows as below:
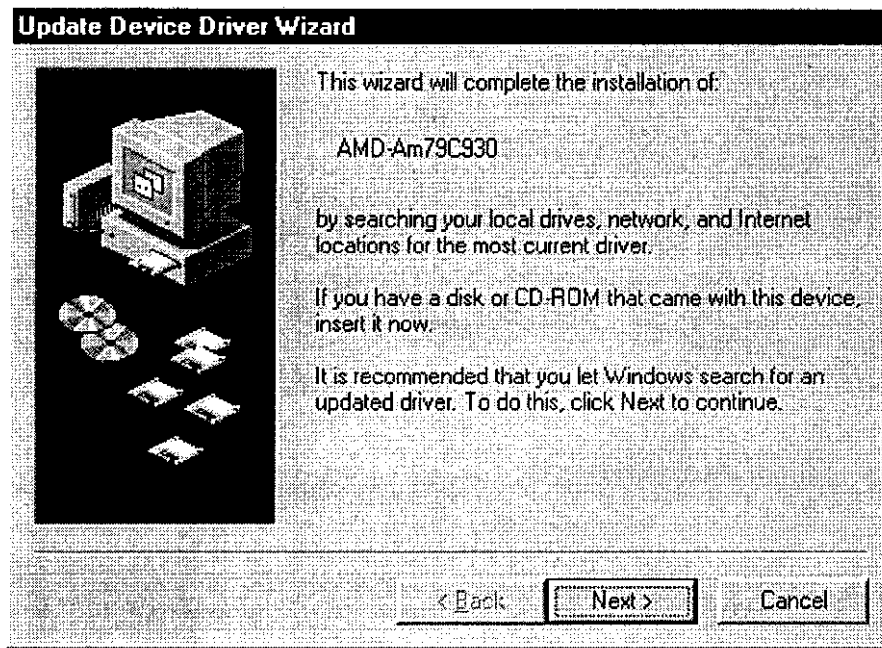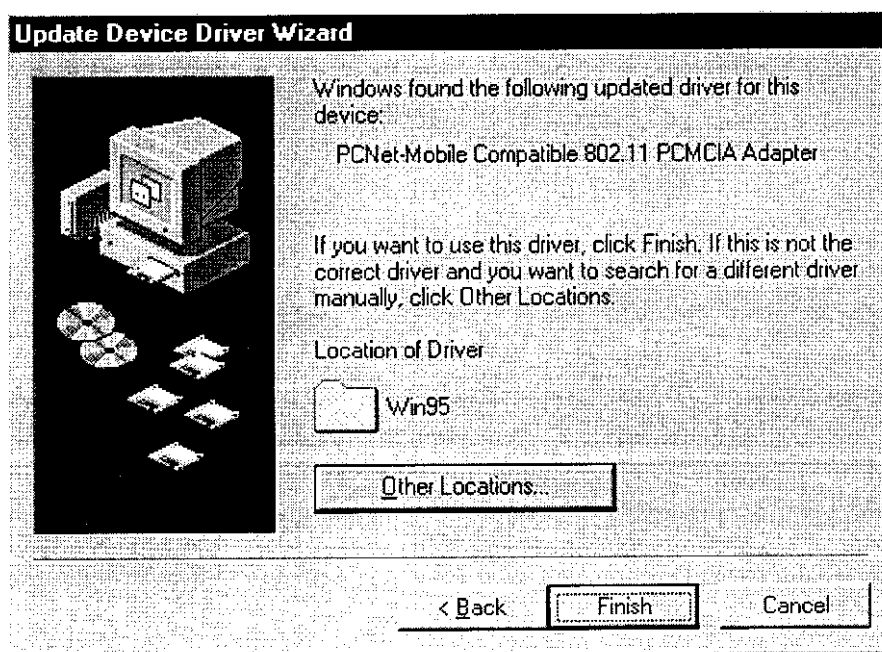

Select '<NEXT>'

Select 'Other Location'
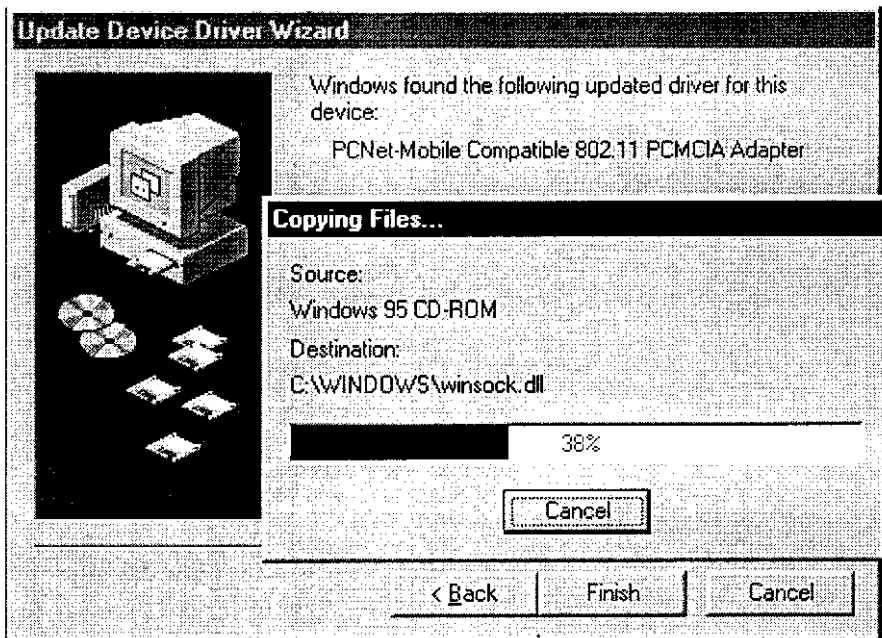
When the screen display as following,

Insert the Driver Disk into floppy disk driver.
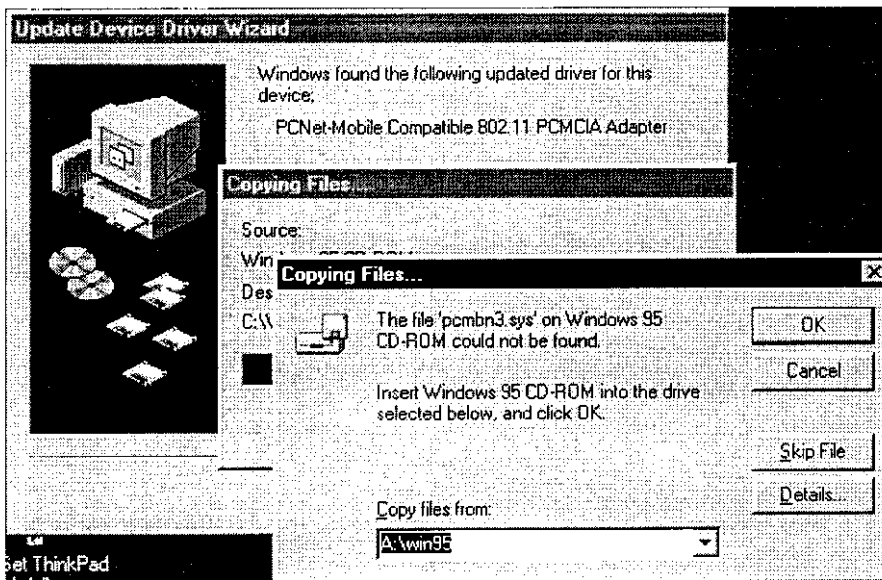
Key in 'A:\win95' then press 'Enter'.

Select 'Finish',

The Windows begin to load necessary files.

When the following message comes up.

Key in 'A:\WIN95' then press 'Enter'.
After the install wizard vanished, the driver had successfully installed.

Once the driver installed, the user can operate all network functions of win95.

Technical specification

- RF common
  Frequency: 2400-2483MHz
  Channel No.: 11
  Modulation: BPSK/DQPSK
  Antenna type: Dipole
  Antenna gain: 0dB

- RF TX section
  Output power: 20dBm Max

- RF RX section
  Sensitivity: < -85dBm

- SST section
  PN code length: 11 bit Barker code
  Chip rate: 11M/S
  Symbol rate: 1M/S
  Date rate: 1M/S (BPSK) or 2M/S (DQPSK)
  BER: < 1E-6

- MAC layer
  Protocol: IEEE802.11D5.0