A simple method of testing gigabit ethernet drivers is to send packets from one machine into the gigabit card on the other machine. To do this one merely installs a gigabit ethernet card on another machine (follow directions already given). In this case load the manufacturers drivers: acenic.o or dgelin.o. The acenic driver should automatically load in Redhat 6.2 or higher. I have provided the dgelin driver in schar_xxxx_test/dgelin for your convenience. Once the driver is loaded and a fiber cable is attached between the two cards, the link leds should light on the two cards.

The routine schar_xxxx_test/send_test.c will send 100 8000 bytes packets. To compile and run:

1) gcc -o send_test send_test.c
2) ./send_test

When run you should see 100 packets transferred from the sending gigabit card to the receiving gigabit card.