1.4 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-1992, CISPR22-1993/A1:1995 and EN55022:1994/A1:1995.
Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.
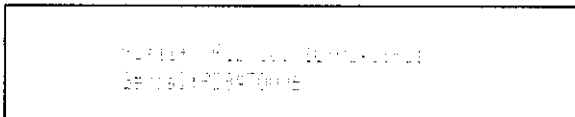
1.5 Test facility

The test facility used to collect the radiated and conducted data is the Hewlett Packard Quality Engineering Test Center B10 EMI facility located 5 avenue Raymond Chanas – EYBENS, 3853 GRENOBLE, France. This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4-1992 in a letter dated August 19, 1996 (31040/SIT, 1300F2).
This test facility has also been accredited by COFRAC (French accreditation authority for European union test lab accreditation organization), accreditation number 1-0199 as compliant with test site criteria and competence in EN55022/CISPR22 norms for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.

2 PRODUCT LABELING

2.1 FCC ID Label

This is the copy of the label stuck on the product

2.2 Location of label on EUT

Label is stuck on foil side of board (see photo of board in this file)..

3 SYSTEM TEST CONFIGURATION

3.1 Justification

The system was configured for testing in a typical fashion (as a customer would normally use it).
It has been tested with a Hewlett Packard Vectra VL series 3 5/75 Personal computer. Each audio input/output is connected on a "load box" simulating a user environment and the headphone output is connected to a headphone. The optional daughter board has been tested with the PCX11+PCI board and is an integral part of the PCX11+PCI product. Test without daughter board has been performed, but highest emission levels have been found with the board. Speed selection at 8 Mhz has been performed, but highest emission levels were found for the high speed selection. Exercise software running under DOS system, the screen definition used was 640 x 480 pixels.

3.2 EUT Exercise software

The EUT exercise program used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The test software has been designed in order to exercise each part of the product involved in a typical use. Data are transmitted on each digital input and output.