S E R V I C E   N O T E

Broadband Series and Series 90 Optical Modules

Serial Numbers: AU00000000 / AU99999999

Recommended Optical Connector Cleaning

Duplicate Service Notes:
E1662A-02
E1696A-02
E1697A-02
E1698A-01

To Be Performed By: Agilent-Qualified Personnel

Parts Required:
Lens cleaning tissue Kodak or similar
Blow Brush   9300-1131
Cleaning Tip   9300-1351
Adhesive Tape   15475-68701
Cleaning Fluid   8500-5344
Magnifier

Continued

DATE: October 1995

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:	ENTITY:	ADDITIONAL INFORMATION:
DH	Y900	

Agilent Technologies

Situation:

On PL 63 Optical Modules such as E1697A, returned defectives are being received with the failure mode "No optical output". Many of these failures can be easily remedied without using exchange modules by cleaning the optical connectors.

Solution/Action:

If an optical module shows symptoms of low or no optical output or is causing generation of spurious errors or alarms, use the recommended optical cleaning items to properly clean all optical connectors on the module and test cables, then re-check optical output level. Do NOT use any other cleaning materials or solvents.

Procedure:

1. Remove the optical FC/PC adapter from the port to be cleaned.

2. Using the equipment listed above, carefully clean the surface of the optical cable end protruding from the connector on the module front panel. Use the adhesive tape provided to remove any traces of lint.

3. Use a magnifier to check the cable end for residual lint or scratches and reclean if necessary.

4. Reattach the FC/PC adapter to the front panel.

5. Check the optical paths by performing the output power and sensitivity tests described in the performance test for that module.