S E R V I C E   N O T E

SUPERSEDES: NONE

HP 8719D Network Analyzer

Serial Numbers: US00000000 to US36140185

Firmware Upgrade improves Phaselock performance, Frequency Offset Performance, and adds programing mnemonic.

Parts Required:

HP P/N	**Discription**
08720-60168	Firmware Upgrade kit (Revision D.06.10)

Duplicate Service Notes: 8720D-03, 8722D-03

To Be Performed By: HP-Qualified Personnel

Situation:

Some instruments with previous revisions of firmware had phaselock problems in the frequency offset mode. (option 089)

Continued

DATE: March 1997

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ☐ ON SPECIFIED FAILURE ☑ AGREEABLE TIME	STANDARDS: LABOR 1.0 Hours		
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ☑ HP LOCATION	SERVICE INVENTORY: ☑ RETURN ☐ SCRAP ☐ SEE TEXT	USED PARTS:	☐ RETURN ☑ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	HP RESPONSIBLE UNTIL: March 1998		
AUTHOR: EW	ENTITY: 5320	ADDITIONAL INFORMATION:		

HEWLETT PACKARD

Solution/Action:

1) Several minor modifications to make the phase lock and sweeping interactions more robust.

2) Improvements to the frequency offset mode (Option 089):

   a) Actual LO (local oscillator) frequency can now vary from the LO FREQUENCY value set on the analyzer by 16 MHz, plus or minus.

   b) Phase lock of the external R input relative to the internal R is now used to verify proper phase lock operation, and a message is shown if not locked.

   c) The feature EXT R CHAN (external R channel switch on/off) is now enabled for either Option 85 or Option 89. This facilitates calibraions and related measurement issues when using option 089 analyzers when measuring mixers.

3) Added the HP-IB command SWEA (sweep time auto) which was in the 8720C but for some reason did not make it into the 8720D.