S E R V I C E N O T E

SUPERSEDES: NONE

HP 8752C Network Analyzers

Serial Numbers: 0000A00000/3410A03310

Firmware Upgrade corrects Phaselock and Power Switching problems.

Parts Required:

HP P/N	Discription
08752-60022	Firmware Upgrade Kit (Revision D.05.48)

Duplicate Service Notes: 8753D-01

To Be Performed By: HP-Qualified Personnel

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:			

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Situation:

With a CW freq of between 2.0 and 2.6 GHz OR with a Start Freq. of between 2.0 and 2.6 GHz the warning "Possible False Lock" will occasionally appear.(Option 003 and 006 Only)

Output Power would go to maximum level when recalling instrument states.

Switching from port 1 to port 2 when they have different power levels (PORT POWER UNCOUPLED) causes the higher power to appear on the lower power port momentarily.

Solution/Action:

1. Improved Phaselock Algorithm.

2. Save/recall used to go through attenuator 0 value and then set desired attenuation. This is now corrected to set the new attenuation only for the change needed.

3. Switching from port 1 to port 2 when they have different power levels (PORT POWER UNCOUPLED) causes the higher power to appear on the lower power port momentarily. This is now fixed so that (8753D only, not for Opt 011):

high -> low : lower power first, then throw transfer switch
low -> high: throw transfer switch first, then raise power