SUPERSEDES: NONE

E1421B 6-SLOT, C-SIZE VXI MAINFRAME

Serial Numbers: 0000A00000 / 9999Z99999

E1421B MAINFRAME TRIPS GFI CIRCUIT BREAKERS

To Be Performed By: Customer

Situation:

The E1421B VXI mainframes will not work on a GFI circuit. The problem is caused by the Y-capacitor in the line filter. This filter is required for regulatory emissions compliance. Note that this problem will exist in most high power, 3-wire (line, neutral, earth) equipment. In general, GFI breakers are intended for use with consumer 2-wire equipment. Use with higher power, 3-wire equipment may not be appropriate. The E1421B VXI mainframe meets the following saftey and EMC standards:

Safety:

IEC 1010-1 (1990) Incl. Amend 1 (1992)/EN61010-1 (1993)
CSA C22.2 #1010.1 (1992)
UL 3111-1 (1994)

Continued

DATE: March 1999

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ■ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR .0.5 Hours			
LOCATION CATEGORY:	■ CUSTOMER INSTALLABLE ☐ ON-SITE ☐ SERVICE CENTER	SERVICE INVENTORY:	☐ RETURN ☐ SCRAP ☐ SEE TEXT	USED PARTS:	☐ RETURN ☐ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: March 2001			
AUTHOR: DMT	ENTITY: 0960	ADDITIONAL INFORMATION:			

Agilent Technologies

EMC:

CISPR 11:1990/EN55011 (1991): Group1 Class A
IEC 801-2:1991/EN50082-1 (1992): 4kVCD, 8kVAD
IEC 801-3:1984/EN50082-1 (1992): 3 V/m
IEC 801-4:1988/EN50082-1 (1992): 1kV Power Line .5kV Signal Lines

The product also complies with the requirements of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC (inclusive 93/68/EEC) and carries the "CE" mark accordingly. None of the above standards require operation on a GFI circuit. There are no plans to modify the design of the E1421B to work with GFI breakers.

Solution / Action:

Replace GFI outlets/breakers with standard three-wire outlets.