

S E R V I C E N O T E

SUPERSEDES: None

83215B PHS RF Interface**Serial Numbers:** 0000A00000 / JP2KC00166**Modification corrects error E-53 due to bad temperature drift****To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

Part No.	Qty.	Description
0699-3035	2	SM RES 1% 1.47K

Equipment/Tools Required:

STE/9000 system (internal system)
 Signal generator 8642B, etc.
 Power meters 437B, etc. (two each required)
 Power sensors 8481D and 8481A
 Torx screwdriver, T10 and T15
 Open-end wrench, 1/4 inch and 5/16 inch
 Allen wrench, 5/32 inch

Continued

DATE: October 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	☐ IMMEDIATELY ☒ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: Labor 1.5 Hour	
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: October 1998
AUTHOR: YO	ENTITY: 3355	ADDITIONAL INFORMATION: COD-139505	

Situation:

Due to bad VCO temperature drift, E-53 occurs when running 11807C/F.

Solution/Action:

1. Replace two surface-mounted parts on A3 converter assembly.
 - a. Open cabinet.
 - b. Remove A3 Converter assy (83215-61043).
 - c. Open shield case of the A3 assy.
 - d. Replace R65 and R72 with 0699-3035.
Parts locations are shown in figure 1.
 - e. Reassemble A3 board and cabinet.
2. Perform required adjustment.
 - a. Run STE/9000.
 - b. Select "83215A_B" in MODEL SELECTION menu.
 - c. Select "83215B_ADJ" in SPECIFIC MODEL? menu.
 - d. Perform "[ADJ] DUPLEX OUT TO TXRX INS LOSS B" in TEST LIST menu.

