

MODIFICATION RECOMMENDED

4287A-07A

S E R V I C E N O T E

Supersedes:
4287A-07

4287A RF LCR Meter

Serial Numbers: JP1KG00000 to JP2KG99999, MY43100000 to MY43299999,
MY43300413 to MY43300672 .

“PLL unlock” Error Message due to A3 Source Board Failure

Parts Required:

P/N	Description	Qty.
04287-69563	A3 Source Board	1
(or 04287-66563	A3 Source Board	1)

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	X ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS	LABOR: 4.0 Hours
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE X SERVICE CENTER <input type="checkbox"/> CHANNEL PARTNER	SERVICE INVENTORY: <input type="checkbox"/> RETURN X SCRAP <input type="checkbox"/> SEE TEXT	USED PARTS: X RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: July 2009	
AUTHOR: jm	PRODUCT LINE: WN		
ADDITIONAL INFORMATION:			

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Situation:

There are some units among the indicated serials that are displayed “PLL unlock” error message because of A3 Source board failure. The failure is depending on the hours of operation.

Solution/Action:

When the error message is displayed, firstly check the output signal of A1 REF OSC referring the service manual. If the output signal of A1 is correct, A3 Source board is faulty. Replace the A3 Source board to 04287-69563 or 04287-66563.

New Part-Number	Old Part-Number
04287-66563	04287-66553
or	
04287-69563	04287-69553

Procedures:

Perform the post repair procedure referring the service manual.

Adjustments and Correction Constants (CC)

- A3 Local Level Adjustment
- A3 Output AGC Gain Adjustment
- A3 Output Level Adjustment
- A4 Local AGC Gain Adjustment
- A4 Local Level Adjustment
- A4 IF Local AGC Gain Adjustment

Verification

- “To Execute Internal Test” on page 117
- Frequency Accuracy Test
- Power Level Accuracy Test
- Impedance Measurement Accuracy Test

- End of Document -