E4448-01

S E R V I C E   N O T E

Supersedes:
NONE

E4448A PSA Series Spectrum Analyzer

**Serial Numbers: US42070116, US42070118, US42070169, US42070170, US42070171
US42070172, US42070173, US42070174, US42070175, US42070176, US42070177
US42070179, US42070180, US42070182**

**The A12 LO Synthesizer board memory initialization was
performed incorrectly at the time of production. It is
required that this assembly has the proper memory
initialization performed.**

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.

E4440AU Option OBW , Service manual and Adjustment Software
Or
The ability to send SCPI commands via GPIB

ADMINISTRATIVE INFORMATION

Agilent Technologies

September 30, 2002

Situation:
The memory initialization files were not correctly updated in the 14 E4448As listed in the above serial numbers. If these files have not been updated the instrument will exit firmware or the instrument will lockup. To verify if the memory initialization files require the memory initialization to be run, perform the following procedure:

1) Power up the E4448A
2) Press the SPAN key followed by 51 kHz
3) Press the FEQUENCY, CENTER , 31.15 GHz

If the instrument exits firmware or the instrument locks up, the instrument requires the A12 LO Synthesizer Memory Initialization to be performed or manually initialize the file via SCPI commands sent to the instrument.

Solution/Action:
Perform ONLY one of the following two procedures

1) Perform the A12A1 Synthesizer Calibration Constant Memory Initialization procedure in the PSA Series Spectrum Analyzer Performance, Verification, Test and Adjustment Software. This software is available with the E4440AU Option 0BW Service manual.

If you currently do not have the Performance, Verification, Test and Adjustment Software then perform the following procedure. Procedure 1 is not required.

2) Send the following SCPI commands to the instrument via GPIB:

SERV:CAL:BEG
SERV:CAL 159,12,+3.1E+10
SERV:CAL:END
SERV:CAL:STORE 159

To verify the value has been stored correctly, send:

SERV:CAL? 159,12

You should read back a value of 3.1E10