

E4438C-22

S E R V I C E N O T E

Supersedes:
NONE

E4438C Vector Signal Generator

Serial Numbers: ALL

Interface FPGA Failure in Upgrade Assistant

Parts Required:

P/N	Description	Qty.
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NONE

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
INFORMATION ONLY	
AUTHOR: PY	PRODUCT LINE: 15
ADDITIONAL INFORMATION:	

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Situation:

When updating firmware after replacing the baseband generator board, the Upgrade Assistant displays an error that the "IF FPGA Update Failed"

Solution/Action:

If Upgrade Assistant displays the error "IF FPGA Update Failed", then here is the solution:

Send the SCPI command query to the instrument:-

diag:bbg:fpga:vers?

The instrument must return:-

+2 for option 601 or 602

+14 for option 001 or 002

Any other response will cause Upgrade Assistant to fail and display the error message above.

To fix 601 or 602 to report +2, send the following SCPI command:-

diag:bbg:fmwr:pers "Test"

diag:bbg:mon 'ut b'

Wait 45 seconds for command to complete

Power Cycle with front panel switch (not :serv:pup)

To fix 001 or 002 to report +14, send

diag:bbg:fmwr:pers "Test"

diag:bbg:mon 'ut a'

Wait 45 seconds for command to complete

Power Cycle with front panel switch (not :serv:pup)

Now use the Upgrade Assistant to upgrade the firmware again. If problem persists, e-mail to SUPPORT,MCD e-mail node.