

NFA Series Noise Figure Analyzer Firmware Release Notes

Note: Instrument State files saved in any firmware version are not compatible with any other firmware version.

Revision A.01.13

I.F. Gain self test maximum limit increased for R.F. bottom boards with hardware ID's of E440360072 and E440360107 to improve yield issues in manufacturing. Added detection of E440360087 board.

New Features

- None
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Revision A.01.12

This version was introduced when the RF Front End assembly changed from N8972-60001 to N8972-60101. This version is required when the N8972-60101 is fitted and is compatible with all hardware.

New Features

- None
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Revision A.01.03

New Features

- Upper limit for extended frequency operation increased to 300 GHz
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Revision A.01.02

This version was introduced due to manufacturing changes to the Noise Figure IF assembly.

New Features

- None
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Revision A.01.01

Introduced with the launch of the N8974A and N8975A.

New Features

- Support for N8974A and N8975A
- Support for N400xA range of Smart Noise Sources which includes auto load ENR data and auto Tcold update
- Changes to the NFA Display Layout
- Loss Compensation extended to include a table of frequency/loss values
- File system extended to include Loss Compensation (.LOS) files
- Loss files can be loaded directly in S2P format

- Manual Measurement
 - Marker functionality/layout has been updated
 - Four markers available per trace
 - Marker 'Couple' function removed
 - Basic connection diagrams added to 'Meas Mode'
 - Measurement setup information added to NFA display
 - External LO Multiplier
 - Spot Thot value can be used for measurement
 - Screen images can be saved in a Reverse Bitmap/Metafile format
 - ENR table no longer saved as part of State file
 - New GPIB commands have been added which return the number of items in any table and specify the units for Linear measurement results
 - The LO GPIB Control function has been removed
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Revision A.00.01

This was the firmware revision that shipped with the NFA when the product was first launched. The N8972A and N8973A were the only models supported by this firmware revision.