

LMFA-21

Low-Mid Frequency Analyzer

PXI based High Performance Low and Mid Frequency Analysis System

FROM **100Hz** TO **2MHz**
FREQUENCY ANALYSIS RANGE



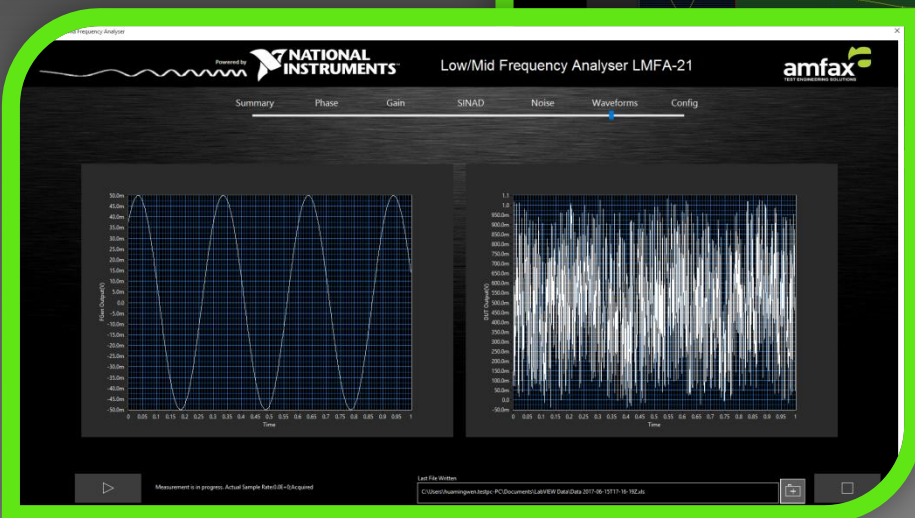
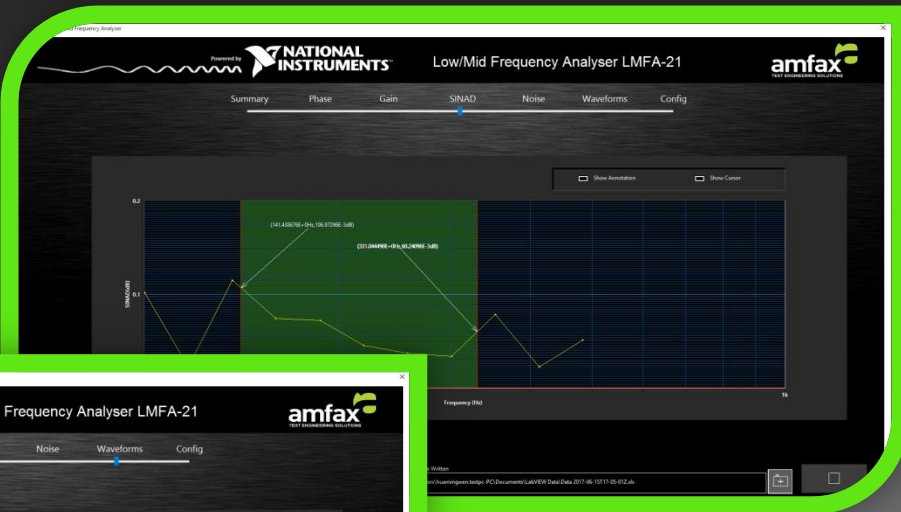
Swept frequency from signal generator to unit under test (UUT)

Two simultaneously sampling input channels to provide accurate phase coherent measurements

MEASUREMENTS INCLUDE:

- Phase
- Gain
- SINAD
- Noise Floor

Including on screen band selection
and waveform annotation



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LMFA-21

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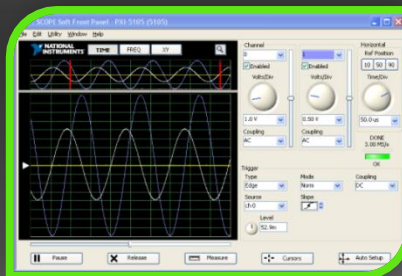
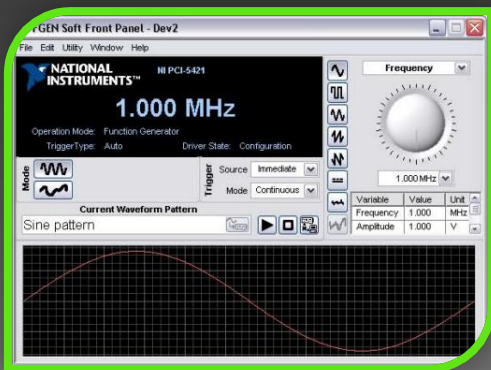
Amfax introduce the latest high quality and high performance low and mid frequency analyser. Born out of our focus on providing exceptional test engineering solutions based around the National Instruments PXI toolchain, the LMFA-21 replaces the traditional two box signal generator, signal analyser solution. Utilizing the NI PXI-5402 Signal generator and PXI-5922 Flex Digitizer modular instruments, this powerful instrument offers exceptional noise floor performance and provides all the functionality associated with instruments costing significantly more.

Easy to use, high performance software

USE CASE: POWER AMPLIFIER TESTING

The instrument provides a single channel output channel (PXI-5402) which can be used to step through a frequency sweep and output this to the UUT. This output can also be routed to one channel of the Flex Digitizer (PXI-5922) as a stimulus. The output of the UUT can be routed to the second digitizer channel. The two signals are then synchronized to provide extremely accurate Gain, Phase, Noise and Distortion measurements.

Interactive VIRTUAL FRONT PANELS provide extreme functionality in laboratory R&D environments



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LabVIEW Driver Set

A set of LabVIEW drivers is available for those wishing to integrate the LMFA-21 into their own automated test equipment.

Benchtop or rack mount use

The LMFA-21 is suitable for both benchtop use or can be adapted for installation in a 19 inch test rack.



Designed and built
In Great Britain