Carrying precision into the field

14 New FieldFox Handheld Analyzers Deliver Benchtop Accuracy, MIL-spec Durability

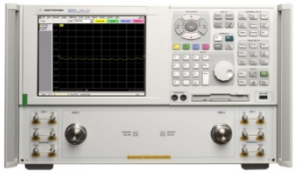
Leverage our legacy of measurement leadership

FieldFox analyzers are the handheld extension of the best network and spectrum analyzers.

"FieldFox's result is almost identical to my PNA. I want one of these for all of my engineers."
-Senior calibration engineer from spacecraft research and development center.

2012 FieldFox microwave handheld analyzer

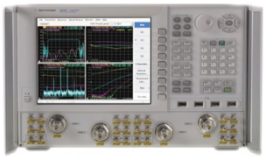
2001 PSA spectrum analyzer



2000 PNA vector network analyzer

2009 PXA X-Series signal analyzer

1984 8510A vector network analyzer



2007 PNA-X vector network analyzer

1978 HP 8566B spectrum analyzer

14 new FieldFox handheld analyzers
4, 6.5, 9, 14, 18 and 26.5 GHz

RF and microwave combination analyzers

Base: Cable and antenna analyzer

Key options:
- Spectrum analyzer
- Vector network analyzer
- Vector voltmeter
- Built-in power meter

All FieldFox options are available and upgradeable.

Microwave vector network analyzers (VNA)

Base: Transmission/reflection VNA

Key options:
- Full 2-port S-parameters
- Two-port QuickCal
- Time domain
- Cable and antenna analyzer
- Vector voltmeter
- Built-in power meter

Microwave spectrum analyzers

Base: Spectrum analyzer

Key options:
- Full-band tracking generator
- Full-band preamplifier
- Interference analyzer & spectrogram
- Reflection measurements
- Built-in power meter

Combination analyzer: 10 instruments in 1

Cable and antenna analyzer
30 kHz to 26.5 GHz

Full 2-port vector network analyzer with time domain analysis, 30 kHz to 26.5 GHz

Spectrum analyzer, with full-band tracking generator
100 kHz to 26.5 GHz

Power meter
5 kHz to 26.5GHz

Built-in GPS

Light weight: 6.6 lbs (3.0 kg)
Long battery life: 3.5 hrs
Bright display: 6.5 inch TFT
MIL-PRF-28800 F Class 2
MIL-STD-810G, 511.5, Proc 1

Independent signal generator
30 kHz to 26.5 GHz

Vector voltmeter, 2-port
30 kHz to 26.5 GHz

Interference analyzer

Variable DC source and current monitor

Frequency counter

Wide range of applications

Communications test

MW backhaul

Radar I&M

SAT ground station I&M

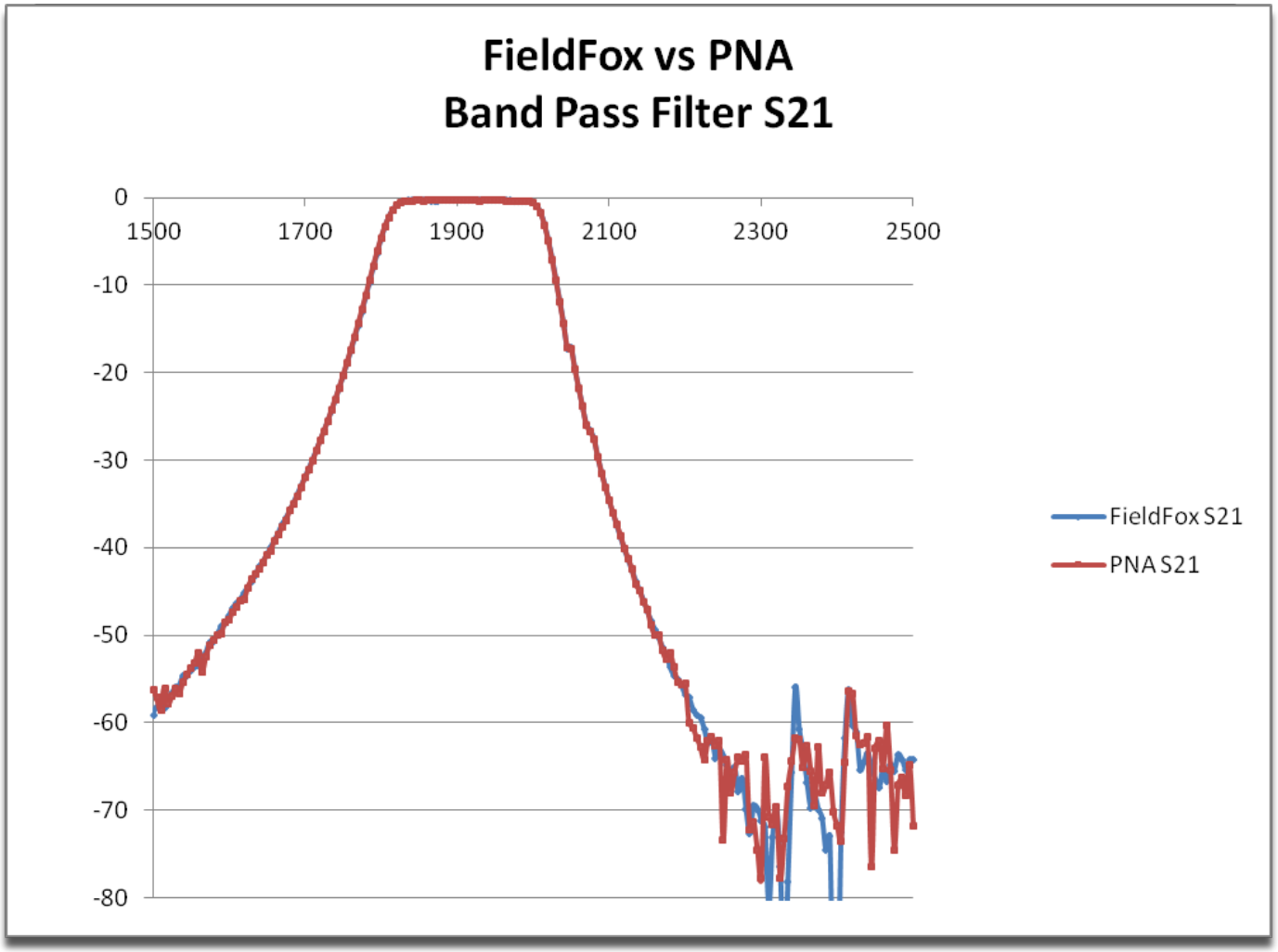
Key applications
- Cable and antenna analysis
- Interference detection
- Signal monitoring/verification
- Transmitter and receiver test

Frequency management

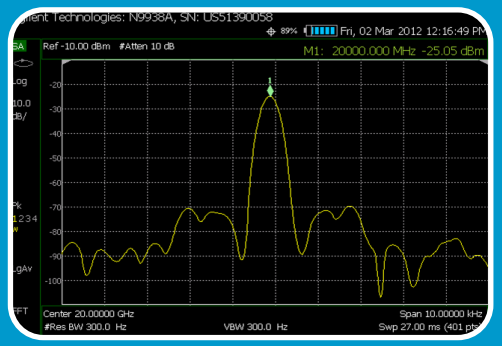
EW system support

R&D bench/education

Carry VNA benchtop accuracy into the field



InstAlign provides industry-leading spectrum analyzer amplitude accuracy



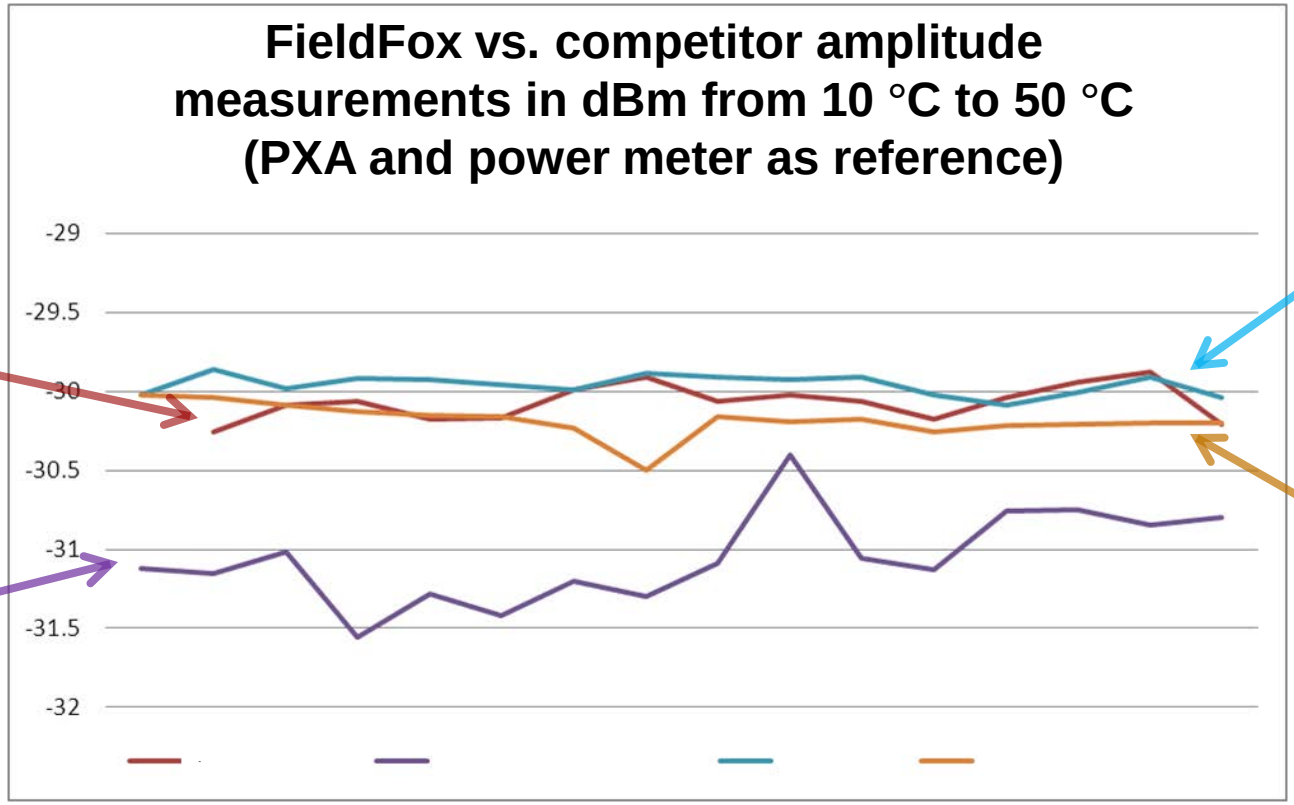
FieldFox marker reading: -25.05

Agilent power meter reading: -25.04 dBm

Enables transmitter calibration in the field even during temperature variation.

InstAlign provides superior benchtop performance

~ 2 hours



Agilent FieldFox microwave spectrum analyzer from cold start

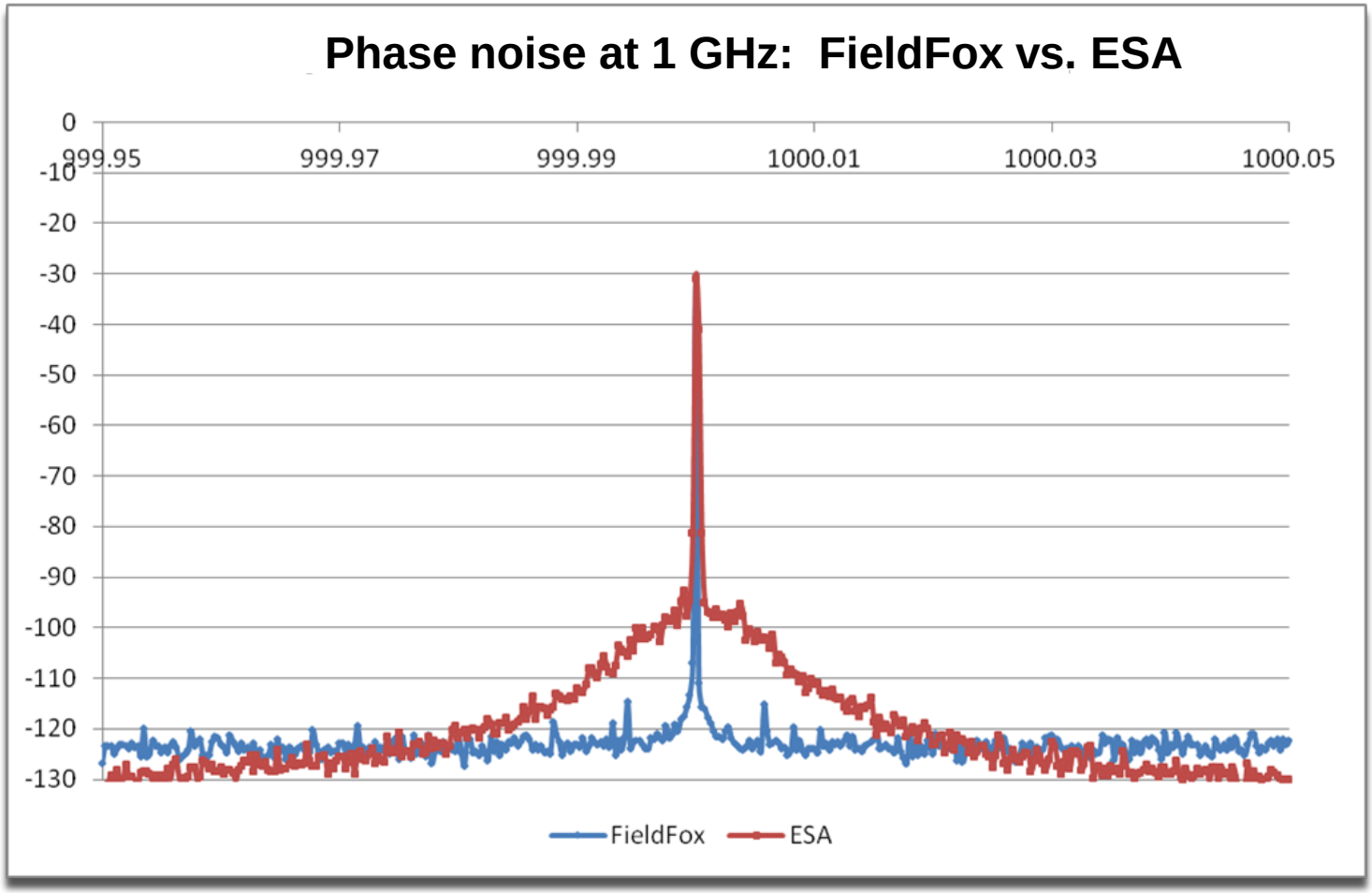
Competitor microwave spectrum analyzer from cold start

Agilent PXA in cal, warmed up

Agilent U2002A microwave power sensor

FieldFox delivers benchtop accuracy to the field.

FieldFox delivers superior phase noise



~15 dB better than the ESA

Enables detection of close-in low level signals.
Previously only detectable by high-end benchtop instruments.

Rugged enough to meet MIL-PRF-28800F Class2

MIL-spec durability

Meets **MIL-PRF-28800F Class 2** requirements

New

Type tested and meets MIL-STD-810G, Method 511.5 Procedure I requirements for operation in **explosive environments**

Field-proof

Completely sealed instrument enclosure provides **measurement stability in harsh environments**

New

3-year warranty ensures field confidence (standard on all FieldFox analyzers)

Water-resistant chassis, keypad, and case withstand wide temperature ranges, and salty, humid environments

- Case withstands shock and vibrations
- **Wide operating temperature** -10 to +55 °C (14 to 131 °F)
- Wide storage temperature -51 to +71 °C (-60 to 160 °F)

Portable - pick up FieldFox for its ergonomics

Vertical portrait orientation makes FieldFox comfortable to hold, and the keypad layout lets you easily operate it with your thumbs

Weighing just 3.0 kg (6.6 lbs) FieldFox is easier to carry than similar analyzers

Bright, low-reflective display and backlit keys enable easy viewing in darkness or direct sunlight

One-button measurements simplify complex setups and ensure quick, accurate results

The intuitive user interface is designed for the work you do every day, enabling measurements in just a few key presses

Large keys are easy to operate, even when wearing gloves

"I really like the packaging, and you've done a lot to simplify the controls and menus."

- DoD technical lead for military contracts

…and depend on its durability

Specially designed connector bay protects connectors from damage due to drops or other external impacts

Transfer and archive data through LAN, USB and SD card

Keep going with the easily replaceable Lithium Ion battery

Gasketed doors protect connectors from dust and moisture

Rubber doors protect connectors from dust and moisture