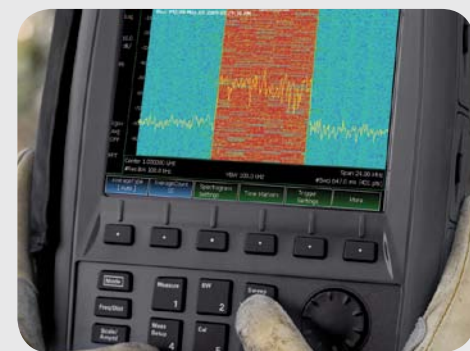


FieldFox RF Analyzer

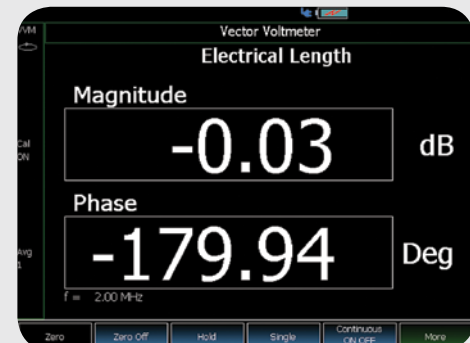
World's most integrated handheld RF analyzer



Return loss and distance-to-fault dual display



Spectrum analyzer display



Vector voltmeter measurement



Easily locate interfering signals

N9912A

Key measurements

Seven-in-one

Cable and antenna analyzer, distance-to-fault, return loss, cable loss

Vector network analyzer with Smith chart display

Vector voltmeter

Power meter

Independent source/tracking generator

Spectrum analyzer, channel power (CHP), adjacent channel power (ACPR), occupied bandwidth, field strength measurement

Interference analyzer, spectrogram, waterfall, record and playback

High performance

Cable and antenna analyzer/network analyzer

Frequency 2 MHz to 4/6 GHz

Speed Less than 1.5 ms per point, up to 1001 points

Directivity > 42 dB

Dynamic range > 72 dB

Output power +6, -25 dBm

Spectrum analyzer

Frequency 5 kHz to 4/6 GHz

Speed Span = 20 MHz, RBW = 3 kHz: 1.5 updates/second

DANL -148 dBm

Phase noise -88 dBc at 10 kHz

TOI -96 dBc, +18 dBm



FieldFox Handheld Portfolio Sets New Standards in Ruggedness and Ease-of-Use

Breakthrough calibration – QuickCal and CalReady increase data confidence without a cal kit

Field-proof – No fans, no vents, weather resistant, backlit keys, and bright screens

Compliance – Meets and exceeds MIL PRF 28800F Class 2 compliance – no exceptions

Portability – Light weight, long battery life, wide operating temperature, -10 °C to +55 °C

Measurement	N9912A FieldFox RF Analyzer	N9923A FieldFox RF Vector Network Analyzer
Cable and antenna analyzer	Yes	Yes
Vector network analyzer	S11 magnitude and phase S21 magnitude only	S11, S21, S12, and S22; magnitude and phase for all
Spectrum analyzer	Yes	No
Interference analyzer	Yes	No
Vector voltmeter	Single channel	Single and dual channel
Power meter	Yes	Yes
Independent dual-mode source/tracking generator	Yes	No



FieldFox RF Vector Network Analyzer

World's most accurate handheld network analyzer

Key measurements

Cable and antenna analyzer, distance-to-fault, return loss, cable loss

Full 2-port vector network analyzer with four receivers

S11, S21, S12, S22, magnitude and phase

Most accurate handheld VNA with a guided Calibration Wizard

Simultaneous measurement and display of all four S-parameters

Vector voltmeter

Power meter

High performance

Frequency 2 MHz to 4/6 GHz

Speed S21, S11 2 MHz to 6 GHz, 30 kHz IFBW, 1001 points 0.695 ms per point

Directivity > 42 dB

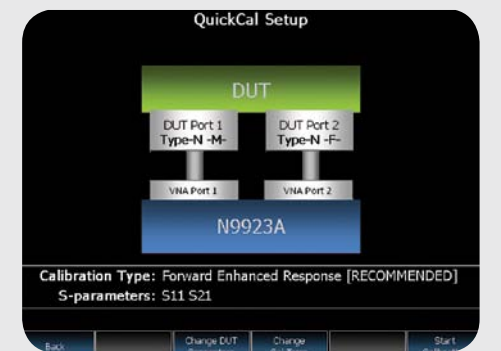
Dynamic range > 100 dB

Output power +5, -40 dBm

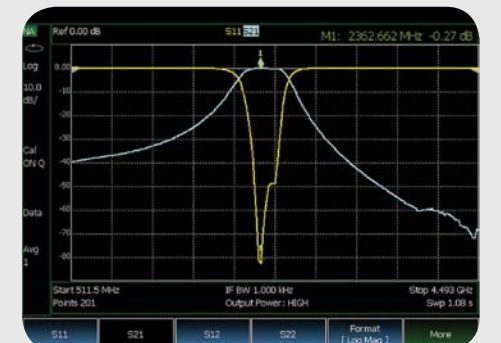
Calibration 2-port Cal, 2-port QuickCal



Tower mounted amplifier (TMA) measurement



Calibration Wizard



S21 and S11 of a bandpass filter



Impedance tuning using the Smith chart

