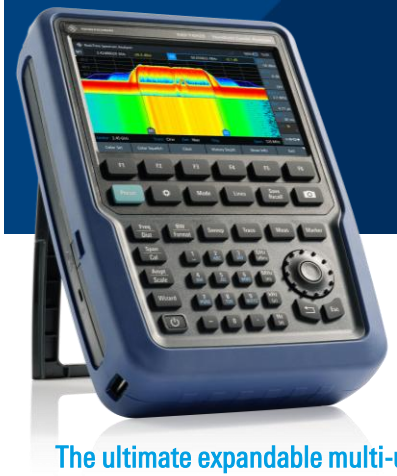
ROHDE&SCHWARZ
Make ideas real

R&S®FNH HANDHELD COMBINATION ANALYZER

An RF Lab in your hands



The perfect choice for

Installation and maintenance	RF Component test
Interference hunting	Cable & Antenna Test

Key specifications

R&S®FNH6	Up to 6 GHz	Freq. Upgrade to 8 GHz
R&S®FNH13	Up to 13.6 GHz	Freq. Upgrade to 20 GHz
R&S®FNH26	Up to 26.5 GHz	Freq. Upgrade to 32 GHz (SA/RTSA only)

SA	DANL Phase Noise	~ 164 dBm -110 dBc @ 10 kHz offset, f = 1 GHz
RTSA	POI Realtime Bandwidth FFT Update Rate	~ 3.58 µSec. up to 125MHz 330k FFT / Sec
CAT/VNA	Dynamic Range Measurement Speed Trace Noise	~ 120 dB < 200 µSec per point ~ 0,0032 dB (10MHz – 20.5GHz)

The ultimate expandable multi-utility tool for RF Signal Analysis

The FNH can quickly switch roles to meet your test requirements on field and in lab with :-

- ► Spectrum Analyzer (SA)
- ► Real-time Spectrum Analyzer (RTSA)
- ► Cable & Antenna Tester (CAT) / Vector Voltmeter (VVM)
- ► Full 2-Port Vector Network Analyzer (VNA)
- ► Interference Analyzer with Coverage Mapping
- ► Pulse Analysis using USB power Sensor
- ► RF / Optical Power Meter
- ► IQ Capture and Analysis with VSE

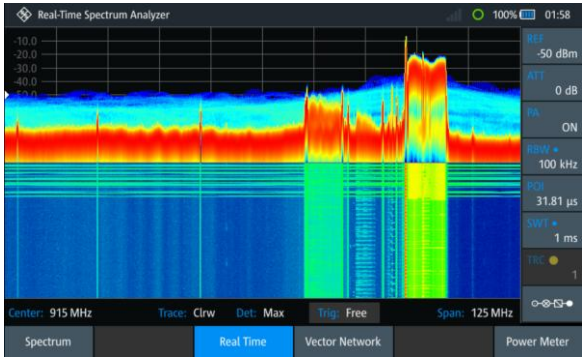
Placeholder for QR with tracking URL

For price and more information, visit
www.rohde-schwarz.com/product/xxx

Your benefit	Features of the R&S®FNH Handheld Combi Analyzer
A single tool to address multi-tasks	► Multiple devices in one (SA, RTSA, CAT, VNA, VVM, Power Meter etc.)
Best in class RF Performance to tackle all tasks in the field	► Wide dynamic range in Spectrum Mode and VNA Mode ► Low DANL in Spectrum mode and low trace noise in VNA mode ► Up to 125 MHz Analysis / Real-time Bandwidth
Future proof !	► Numerous keycode upgradable options ► Frequency upgrades without the need of sending the device for recalibration.
Usable in all weathers and terrain	► Excellent thermal stability with guaranteed operational temperature from -10°C to +55°C. ► Weather-proof holster - IP65 compliant ► Ruggedness assured with MIL Std MIL-PRF-28800F Class 2 and MIL-STD-810H
Persistent Field operation	► Light weight, small footprint ► Long battery operation time

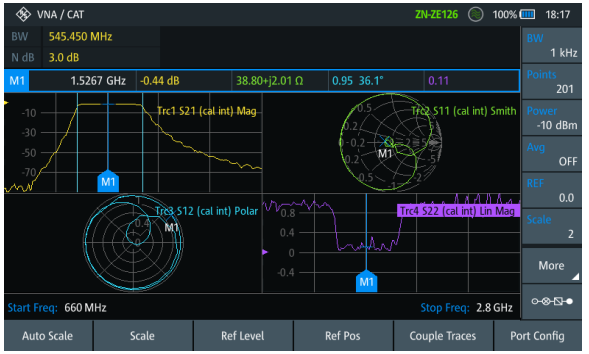
Real-time Spectrum Analyzer

Real-time Spectrum measurement with Spectrogram



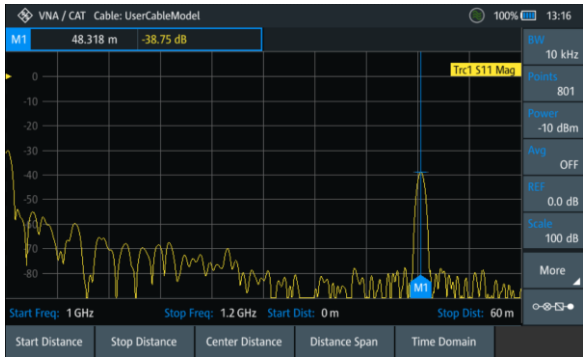
Full 2 Port Vector Network Analyzer

Filter measurement in VNA mode



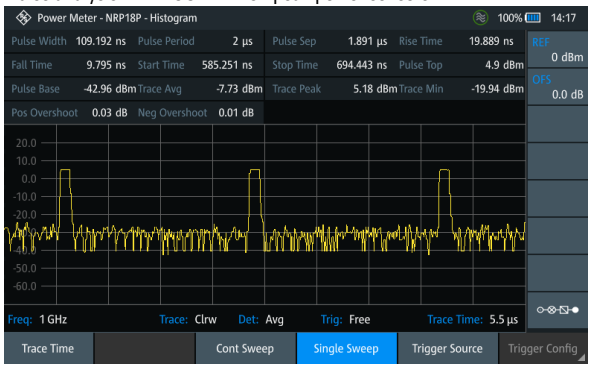
Cable & Antenna Tester

Distance-to-fault measurement



Pulse Analysis

Pulse analysis with R&S®NRP18P peak power sensors



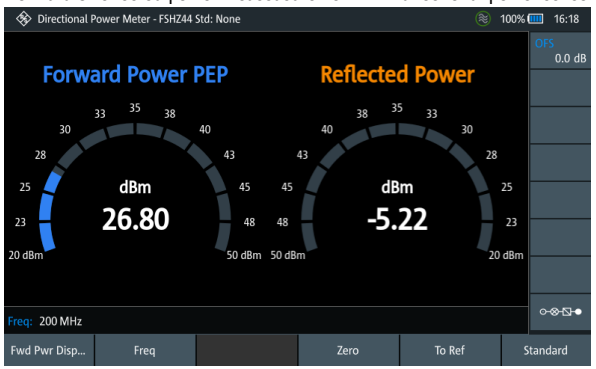
Internal Channel Power Meter

Channel power measurement (no sensor needed)



Internal Channel Power Meter

Forward & reflected power measeasurement with directional power sensor



Popular Options / Accessories	
Description	**Item**
RTSA APPLICATION	FNH-K1R
ANALYSIS BANDWIDTH 60MHZ	FNH-B60
ANALYSIS BANDWIDTH 125MHZ	FNH-B125
PREAMPLIFIER 8GHz / 20GHz / 32 GHz	FNH-B24
RF-PORTS : 3.5MM (MALE)	FBH-B102
DC BIAS VARIABLE VOLTAGE	FNH-B10
SA FREQ UP 6-8GHZ	FNH-B8SA
CAT/VNA FREQ UP 6-8GHZ	FNH-B8NA
SA FREQ UP 13.6-20GHZ	FNH-B20SA
NA FREQ UP 13.6-20GHZ	FNH-B20NA
SA FREQ UP 26.5-32GHZ	FNH-B32SA
POWER RANGE EXTENSION	FNH-B44
USB PWR SENSOR SUPP.	FNH-K9
CHANNEL POWER METER	FNH-K19
PULSE MEASUREMENT	FNH-K29
INTERF. ANALYSIS	FNH-K15
SIG STRENGTH MAPPING	FNH-K16
CHANNEL INFO DISPLAY	FNH-K18
SEGMENTED SWEEP	FNH-K20
CAT APPLICATION 6GHz / 13.6GHz / 26.5 GHz	FNH-K41
VNA APPLICATION 6GHz / 13.6GHz / 26.5 GHz	FNH-K42
VECTOR VOLTMETER	FNH-K45
WAVE RATIO & QTY	FNH-K66
TIME DOMAIN ANALYSIS	FNH-K68
CHANNEL SCANNER	FNH-K21
TRACKING GENERATOR	FNH-K22
EMF MEASUREMENT	FNH-K105
IQ CAPTURE	FNH-K10

Feature highlights (list)

- ► Multiple devices in one compact handheld device.
- ► Best in class RF Specifications for SA, RTSA, VNA, CAT etc.
- ► All upgrades using S/w license keys ensure zero down time
- ► Wide range of accessories available

Rohde & Schwarz Representative

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