ROHDE & SCHWARZ
Make ideas real

R&S®ZNL VECTOR NETWORK ANALYZER
The 3-in-1 allrounder

The perfect choice for

General RF lab measurements	Low-cost volume manufacturing
Education and training	Service and maintenance

Key specifications	
Frequency range	5 kHz to 3 GHz (R&S®ZNL3) 5 kHz to 6 GHz (R&S®ZNL6)
Number of ports	2, N(F)
Dynamic range	up to 120 dB (spec.), 130 dB (typ.)
Output power	−40 dBm to 0 dBm (spec.)
IF bandwidths	1 Hz to 500 kHz
Sweep time	16.7 ms for 401 points (100 kHz IFBW, TOSM, 200 MHz span)
Spectrum analyzer	yes, hardware option

3 instruments in 1

Measurement equipment for RF applications must fulfill high quality standards. Instruments should be easy to use and offer high versatility. Fast measurements and reliable performance are crucial.
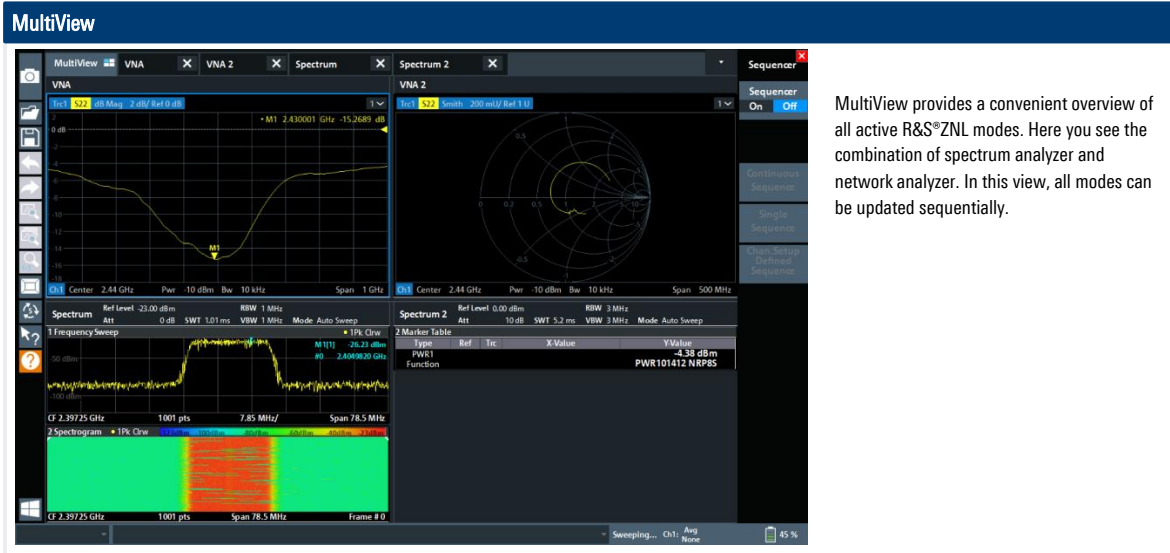
With the R&S®ZNL, Rohde & Schwarz exceeds these expectations and offers even more:

Vector network analysis, spectrum analysis and **power meter** measurements are unified in one single, compact instrument, making the R&S®ZNL a universal all-rounder.

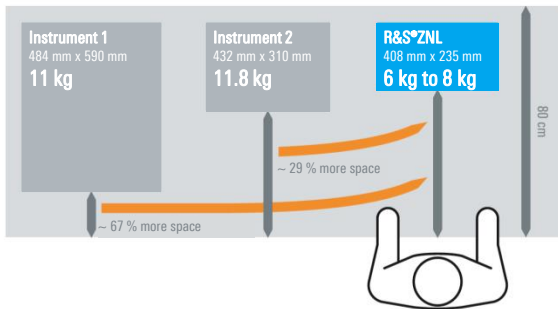| Your benefit	Features
3 instruments in 1	A full two-port VNA that can be a true spectrum analyzer (hardware option) and also supports the use of power sensors (option), turning it into a power meter.
Fully portable	The R&S®ZNL is very lightweight (6 kg to 8 kg) and very compact (408 mm x 235 mm footprint) and has a top handle for easy carrying. The battery pack allows it to be used on the go.
Clearly structured user interface with multitouch	Wide capacitive touchscreen for convenient configuration with multitouch gesturing. Undo/redo softkeys and fully integrated context-sensitive help menu for user-friendly operation.

For more information:
www.rohde-schwarz.com/catalog/ZNL

MultiView

MultiView provides a convenient overview of all active R&S®ZNL modes. Here you see the combination of spectrum analyzer and network analyzer. In this view, all modes can be updated sequentially.

Ordering information

Description	Item
Vector network analyzer, 5 kHz to 3 GHz	R&S®ZNL3
Vector network analyzer, 5 kHz to 6 GHz	R&S®ZNL6
Spectrum analysis	R&S®ZNLx-B1
Time domain measurement	R&S®ZNL-K2
R&S®NRP power sensor measurement	R&S®FPL1-K9
AM/FM/φM analog modulation analysis	R&S®FPL1-K7
Vector signal analysis	R&S®VSE-K70
EUTRA/LTE NB-IOT	R&S®VSE-K106

Feature highlights

► Frequency range from 5 kHz to 3 GHz (R&S®ZNL3) or 5 kHz to 6 GHz (R&S®ZNL6)
► Two-port vector network analyzer for bidirectional measurements
► 3 instruments in 1: vector network analyzer, spectrum analyzer and power meter
► MultiView operation
► Wide dynamic range of up to 130 dB (typ.)
► Output power: from –40 dBm up to 3 dBm (typ.)
► Fast measurements, e.g. 16.7 ms at 100 kHz IFBW (401 points, 200 MHz span, two-port calibration)
► Compact size and low weight (6 kg to 8 kg)
► Optional battery pack

Compact, lightweight instrument

The R&S®ZNL saves up to 67 % of desk space, leaving plenty of room for the measurement setup.

Portable for use on the go

With batteries, the R&S®ZNL can be used outside the labs. Batteries are hot-swappable.

A padded soft carrying bag for safe transportation of the R&S®ZNL.