

R&S® Cable Rider ZPH two-port model

Spectrum analyzer (R&S® ZPH-K1) and modulation analysis (R&S® ZPH-K7)



The perfect choice for

Spectrum analysis

ASK/FSH modulation analysis

Radio or TV broadcast station installation and maintenance

Your benefit

Fast

Features

- Fast measurement speed
- Change settings quickly and easily

Efficient

Buy what you need when you need it: all upgrades available via keycode, no additional calibration required

Key specifications

Frequency range	5 kHz to 3 GHz with upgrades up to 4 GHz
Max. input power	up to +30 dBm
Low noise floor	down to -163 dBm (typ., with preamplifier)
Connectivity	LAN, USB
Measurement options	spectrum analysis AM/FM/ASK/FSK modulation analysis
Tracking generator	5 kHz to 3/4 Ghz

Buy only what is needed – invest when needed – upgrade as needed

Spectrum analysis

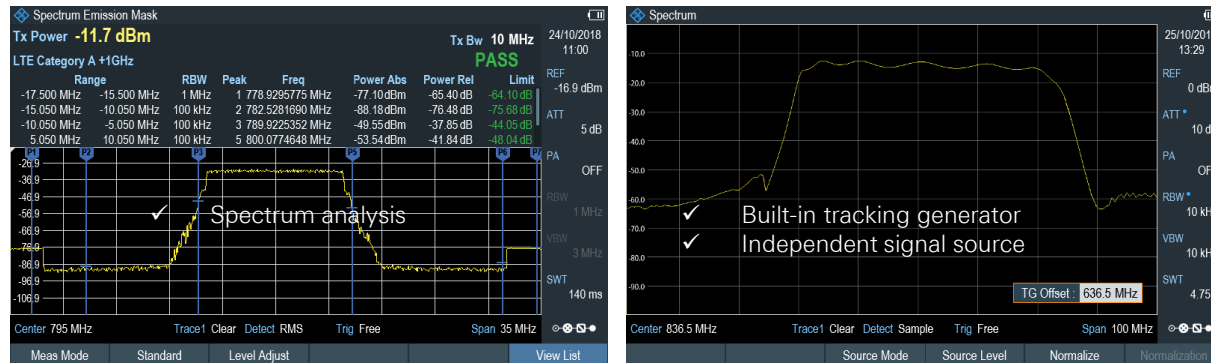
- R&S® ZPH-K1 enables spectrum measurement. The R&S® ZPH-K7/-K15/-K16 options require the R&S® ZPH-K1
- R&S® ZPH-K1 enables pure spectrum measurements as well as automated measurements for ACLR, OBW, channel power, TDMA power, SEM, harmonic distortion, AM modulation depth as well as spectrogram recording and playback

Modulation analysis

- R&S® ZPH-K7 is used for modulation analysis. It measures the quality of amplitude or frequency modulated signals
- The analog modulation display shows the waveform as well as measurement parameters such as carrier power, carrier offset, SINAD and THD. The modulation summary display provides user-definable limits for each measurement
- The digital modulation display supports ASK/FSK modulated signals, with presets for Bluetooth® Low Energy and TPMS systems

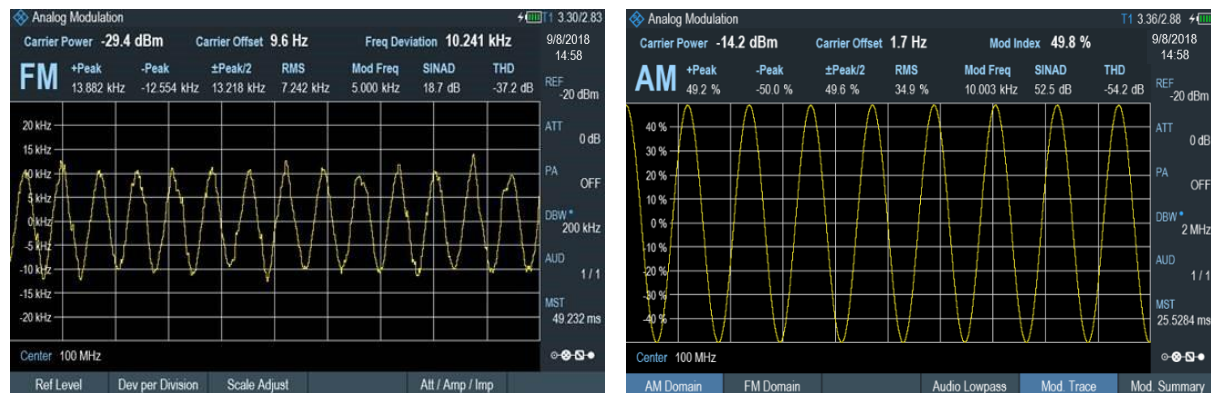
► For more information, see www.rohde-schwarz.com/product/zph

R&S®ZPH-K1: Spectrum analysis – expect more



R&S®ZPH-K1 enables spectrum analysis and features an integrated tracking generator and an independent signal source. As the signal source, the R&S®ZPH-K1 can generate a CW signal at any frequency, or the R&S®ZPH-K1 can be coupled to the center frequency. This feature is useful for frequency conversion measurements.

R&S®ZPH-K7: Modulation analysis



R&S®ZPH-K7 is used for modulation analysis. It measures the quality of amplitude or frequency modulated signals. The modulation display shows the waveform as well as measurement parameters.

Model configuration information

Base unit	Description
R&S®ZPH	R&S®Cable Rider ZPH two-port model, 5 kHz to 3 GHz
Option	Description
R&S®ZPH-B4	Frequency upgrade, 3 GHz to 4 GHz
R&S®ZPH-B22	Spectrum analyzer preamplifier
R&S®ZPH-K1	Spectrum analysis
R&S®ZPH-K7	Modulation analysis
Accessories	Name
R&S®HA-Z322	Carrying holster
R&S®HA-Z322	Rainproof carrying holster
R&S®HA-Z220	Soft carrying bag
R&S®RTH-Z4	Hard shell protective carrying case
R&S®ZN-Z103	Calibration unit, one-port, 2 MHz to 4 GHz
R&S®FSH-Z29	Combined open/short/50 Ω load calibration standard, for calibrating the VSWR and DTF measurements, DC to 3.6 GHz
R&S®FSH-Z320	RF cable (1 m), DC to 8 GHz, N male/N female connectors, for DTF measurements
R&S®HA-Z900/-Z1900	Yagi antenna, 824 MHz to 960 MHz / 1710 MHz to 1990 MHz
R&S®HE400/HE400BC	Handheld directional antenna with handle
R&S®HE400-K/-KB	Cable set
R&S®HE300USB	USB adapter
R&S®HE400HF	HF antenna module, 8.3 kHz to 30 MHz
R&S®HE400VHF	VHF antenna module, 20 MHz to 200 MHz
R&S®HE400UWB	UWB antenna module, 30 MHz to 6 GHz
R&S®HE400LP	Log-periodic antenna module, 450 MHz to 8 GHz
R&S®HE400CEL	Cellular antenna module, 700 MHz to 2.5 GHz