



# Competitive Trade-In Promotion

25% trade in credit for a R&S® FSWP Phase Noise and VCO tester

This is your opportunity to experience the industry's highest performing phase noise and VCO tester by trading in one of the outlined competitive models. Talk to your local Rohde & Schwarz salesperson today to see if you are eligible to receive the promotional discount towards the R&S® FSWP from Rohde & Schwarz.

## R&S® FSWP Phase Noise and VCO tester



### Key Facts:

- Frequency range: 10 Hz / 1 MHz to 8 / 26.5 / 50 GHz
- High sensitivity for phase noise measurements with cross-correlation and extremely low-noise internal reference sources:
  - Typ. -172 dBc (1 Hz) at 1 GHz with 10 kHz offset
  - Typ. -153 dBc (1 Hz) at 10 GHz with 10 kHz offset
- Phase noise, VCO tester and a signal and spectrum analyzer in one box
- Very fast measurements with unique architecture – performs correlations for immediate answers
- Measurement of phase noise on pulsed sources
- Internal source for measuring additive phase noise
- Low-noise internal DC sources for VCO characterization
- Straight forward UI makes reduces learning curve



## What's eligible for the trade-in promotion:

25% Trade In against the price of a New R&S®FSWP Valid for the following instruments

- Keysight E5052A
- Keysight E5052B
- Keysight E5505A
- Keysight N5511A
- Berkley Nucleonics 7000 Series **with Source**
- Holzworth HA7062C **with Source**
- Noise XT

15% Trade In against low cost instruments **without source**

- Berkley Nucleonics 7000 Series
- Holzworth HA7062C

Competitive Equipment needs to be operational

Competitive Equipment shipped back to Rohde & Schwarz USA, Inc. headquarters in Columbia, MD

Any configuration R&S®FSWP allowed

25% or 15% trade in taken from R&S®FSWP list price with eligible competitive phase noise analyzer

## Discover how the R&S®FSWP is better than the competition



The R&S®FSWP versus the Keysight E5505A

- ▶ **Better phase noise measurement margins:** R&S®FSWP is more than 10 dB better Phase Noise & AM Noise Sensitivity
- ▶ **Save time & complexity:** R&S®FSWP is up to 100x faster
- ▶ **Simplify testing:** R&S®FSWP has integrated optional high performance spectrum analyzer, the E5505A does not
- ▶ **Simplify testing:** The R&S®FSWP has a modern user interface that helps to make complex measurements simple, while the E5505A is based on SW more than 15 years old

The R&S®FSWP versus the Keysight E5052A or B

- ▶ **Better phase noise measurement margins:** R&S®FSWP is more than 10 dB better Phase Noise & AM Noise Sensitivity
- ▶ **Save time & complexity with more efficient measurements:** R&S®FSWP performs simultaneous Phase Noise and AM Noise measurements
- ▶ **Save time & complexity:** R&S®FSWP is up to 100x faster
- ▶ **Great solution for radar and pulse signals:** Keysight E5052B has no Pulsed Phase Noise measurement capability, FSWP does
- ▶ **Save bench or rack space:** E5052B + E5053B (2ndbox) required between 7-26.5 GHz measurements vs FSWP is a single box solution up to 50 GHz
- ▶ **Simplify testing:** R&S®FSWP has integrated optional high performance spectrum analyzer