

I/Q SPECTRUM ANALYZER

Specifications

R&S®FSW3-KM100

R&S®FSW3-KM105

Introduction

The specifications of the R&S®FSW3-KM100 I/Q spectrum analyzer are based on the specifications document of the FSWX signal and spectrum analyzer, have not been checked separately and are not verified during instrument calibration. The specified level measurement errors do not take into account systematic errors due to reduced signal-to-noise ratio (SNR).

Specifications

Frequency

Center frequency range		frequency range same as FSWX
Span ranges		80 Hz to maximum signal analysis bandwidth of FSWX

FFT filters

Resolution bandwidths (-3 dB, normal)	depending on sampling rate	50 µHz to 10 MHz, continuously adjustable
Types		normal (Gaussian), Blackman Harris, Flattop, 5-term
Video bandwidths	depending on sampling rate	1 Hz to 10 MHz, continuously adjustable

Level

Absolute level uncertainty	for default FFT length	0.1 dB + I/Q data level uncertainty
Trace detector		auto peak (default), positive peak, negative peak, RMS, average, sample

Result displays

Frequency domain		frequency sweep
		FFT spectrum
		ACLR
		OBW
		TOI
Time domain		zero span
		TDP
		APD
		CCDF
I/Q displays		magnitude

Specifications | Version 01.00

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Ordering information

Designation	Type	Order No.
I/Q spectrum analyzer	R&S®FSW3-KM100	1347.7600.02
Cross-correlation for I/Q spectrum analyzer	R&S®FSW3-KM105	1349.2170.02

For FSWX product brochure, see PD 3684.1314.12

For FSWX specifications, see PD 3684.1314.22

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I/Q Spectrum Analyzer

Data without tolerance limits is not binding | Subject to change

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