Keysight Technologies
N9020A MXA and N9010A EXA Signal Analyzers

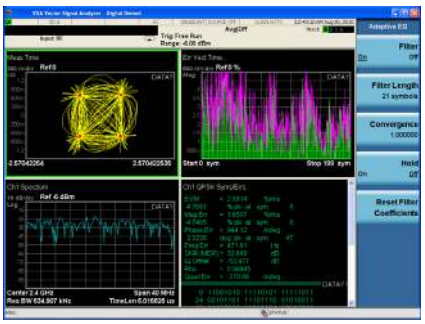
New Bandwidth and Measurement Options

The mid-performance Keysight Technologies MXA and economy-class EXA signal analyzers provide you with a scalable choice of performance, now with analysis bandwidth up to 40 MHz and frequency coverage to 26.5 GHz. The consistent X-Series framework offers the ability to optimize price and performance, enabling engineers to meet requirements across multiple products and programs—now and in the future.

40 MHz bandwidth IQ waveform measurement

40 MHz Analysis Bandwidth

- Supports 40 MHz bandwidth CCDF measurement, burst power measurement, QPSK EVM measurement, IQ waveform measurement, 802.16e OFDM modulation analysis, and other complex digital modulation analysis
- Enables modulation analysis for maximum LTE bandwidth, all profiles of Mobile WiMAX™, and WLAN via 89600 VSA software
- Functions with N9064A VXA measurement application for vector analysis up to 40 MHz analysis bandwidth



40 MHz bandwidth QPSK EVM measurement

External Source Control

- Allows for more flexible component characterization
- Controls the Keysight RF MXG (N5181A/N5182A) for stimulus/response tests up to 6 GHz
- Controls signal source via LAN, USB, or GPIB
- Provides choice of hardware triggering or software triggering
- Includes a variety of sweep modes: standard, harmonic, offset, reverse, and power
- Offers adjustable RBW and detector settings for best measurement results

EXA signal analyzer with MXG signal generator

Key Specifications

MXA—Accelerate to market

The mid-performance N9020A MXA is the ultimate accelerator as your products move from design to manufacturing to the marketplace. It has the flexibility to quickly adapt to your evolving test requirements—today and tomorrow.

- 20 Hz to 3.6, 8.4, 13.6, or 26.5 GHz frequency range
- 10 MHz analysis bandwidth (standard), optional 25 MHz or 40 MHz analysis bandwidth
- ±0.23 dB absolute amplitude accuracy
- +16 dBm TOI, -166 dBm/Hz DANL, 78 dB W-CDMA ACLR dynamic range
- More than 22 measurement applications and the leading 89600 VSA software running inside MXA, www.keysight.com/find/X-Series_Apps
- Programming language compatible with HP8566/68, 856X, and ESA series
- Up to 300% faster than other mid-performance class spectrum and signal analyzers

EXA—Maximize throughput

The economy-class EXA is the fastest way to maximize throughput on the production line. From measurement speed to code compatibility, it makes every millisecond count and helps you reduce your overall cost of test.

- 9 kHz to 3.6, 7.0, 13.6, or 26.5 GHz frequency range
- 10 MHz analysis bandwidth (standard), optional 25 MHz or 40 MHz analysis bandwidth
- ±0.27 dB absolute amplitude accuracy
- +13 dBm TOI, -163 dBm/Hz DANL, 73 dB W-CDMA ACLR dynamic range
- More than 22 measurement applications and leading 89600 VSA software running inside EXA www.keysight.com/find/X-Series_Apps
- Programming language compatible with HP8566/68, 856X, ESA series
- Up to 300% faster than other economy class spectrum and signal analyzers

Ordering Information

The new MXA and EXA options will be available for order in November:

MXA signal analyzer
- N9020A-B40, 40 MHz analysis bandwidth
- N9020A-ESC, external source control

EXA signal analyzer
- N9010A-B40, 40 MHz analysis bandwidth
- N9010A-ESC, external source control

For more information on the MXA and EXA, as well as a complete list of available options, visit:

www.keysight.com/find/MXA
www.keysight.com/find/EXA

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at:
www.keysight.com/find/contactus

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