

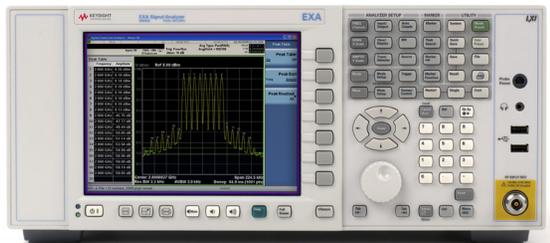
Keysight N9010A EXA X-Series Signal Analyzer

Frequency ranges: 10 Hz to 3.6, 7.0, 13.6, 26.5, 32 or 44 GHz

Balance the challenges

Whether you're pushing to enhance a product or improve test throughput, your general-purpose signal analyzer should be ready for a wide range of challenges. That's what drives the Keysight EXA signal analyzer—the fast, flexible way to cover diverse needs with a single tool. It provides a solid mix of speed and performance, and offers the versatility of X-Series measurement applications. Get the EXA and be ready to balance the challenges.

EXA is part of the X-Series which is an evolutionary approach to signal analysis that spans instrumentation, measurements and software. It gives you the flexibility to satisfy your business and technical requirements across multiple products and programs—now and in the future. The X-Series also creates a consistent framework that enables your teams to move at a faster pace. Stay ready, stay in sync and arrive ahead—with the Keysight X-Series.



Ideal for:

- Manufacturing test
- Design test
- General purpose spectrum analysis

The EXA allows you to:

- Enhance signal analysis with premium capabilities previously unseen at this cost-effective price
- Measure from narrowband to wideband RF to millimeter wave with a low-cost, flexible R&D solution
- Maximize throughput and yield with speed designed for manufacturing
- Replace an ESA or 859x with the same measurement science and more capabilities

X-Series benefits and features:

- Evolve as technology changes with future-ready instruments
- Keep your test assets current and extend instrument longevity with upgradeable CPU, memory, I/O ports, and solid-state drives
- Add instrument features and functions with simple license-key upgrades

Keep projects moving at a faster pace with a consistent measurement framework

- Ensure confidence via measurement integrity across the organization with consistent X-Series operation, methods, algorithms, results, and commands
- Leverage test-system software from R&D to design verification to manufacturing with 100% code compatibility across the full range of X-Series performance points: PXA, MXA, EXA and CXA
- Boost efficiency and productivity with the familiarity of a common user interface – learning one X-Series signal analyzer means knowing them all
- Make consistent power measurements with the built-in PowerSuite, a collection of flexible, intuitive one-button measurements

Meet your changing test needs with the broadest set of applications and software

- Use the shared library of more than 25 measurement applications—from general purpose to standard-specific—across the X-Series
- Utilize the X-Series' open Windows® operating system as a system controller to run software such as 89600B VSA and MATLAB
- Leverage market-leading support for emerging and evolving communications standards

Summary of key specifications

Specification	Up to 26.5 GHz	For 32 and 44 GHz
Analysis bandwidth	25 MHz standard; 40 MHz optional	25 MHz standard
Displayed average noise level (DANL)	-163 dBm with preamplifier on	-165 dBm with preamplifier on
Third-order intermodulation (TOI) distortion	+17 dBm	+19 dBm
W-CDMA ACLR dynamic range	-73 dB with noise correction on	
Phase noise	-102 dBc/Hz at 10 kHz offset	-106 dBc/Hz at 10 kHz offset
Amplitude accuracy	± 0.27 dB	

Frequency range options

Option number	Description (not upgradeable)
503	10 Hz to 3.6 GHz
507	10 Hz to 7.0 GHz
513	10 Hz to 13.6 GHz
526	10 Hz to 26.5 GHz
532	10 Hz to 32.0 GHz
544	10 Hz to 44.0 GHz

To find a distributor go to:
www.keysight.com/find/distributors



Three-Year Warranty

www.keysight.com/find/ThreeYearWarranty

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

Keysight Assurance Plans

www.keysight.com/find/AssurancePlans



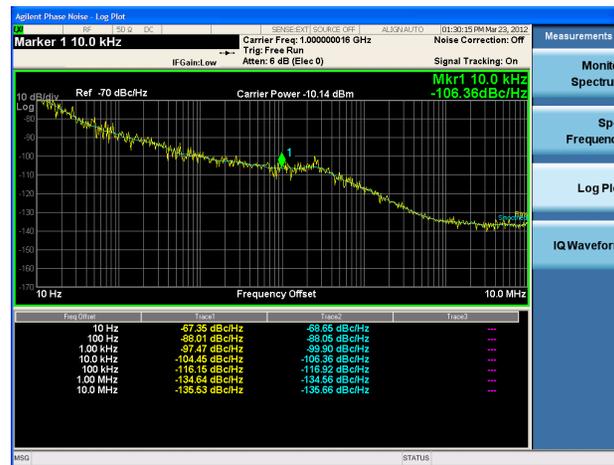
Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

Hardware options

Option number	Description (license key upgradeable)
P03	Preamplifier, 3.6 GHz
P07	Preamplifier, 7 GHz
P32	Preamplifier, 32 GHz
P44	Preamplifier, 44 GHz
PFR	Precision frequency reference (10 MHz)
FSA	Fine resolution step attenuator
B40	40 MHz analysis bandwidth
PRC	Portable configuration

Accessories

Options number	Description
1CP	Rack mount and handle kit
1CM	Rack mount kit
1CN	Front handle kit
1CR	Rack slide kit
HTC	Hard transit case



X-Series phase noise measurement application on the N9010A-544 EXA.

Measurement applications

Option number	Description
N9051A	Pulse measurement
N9061A	Remote language compatibility, 856xE/EC
N9063A	Analog demodulation
N9064A	VXA vector signal analysis application
N9068A	Phase noise
N9069A	Noise figure
N9071A	GSM/EDGE
N9072A	cdma2000®
N9073A	W-CDMA
N9073A	HSDPA/HSUPA
N9075A	802.16 OFDMA
N9076A	1xEV-DO
N9079A	TD-SCDMA
N9079A	HSDPA/HSUPA/8PSK
N9080A	LTE FDD
N9082A	LTE TDD
N9081A	Bluetooth®
89601B	89600 VSA software
N6141A	EMI

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