

# Agilent N9000AEP CXA Signal Analyzer Express Configuration

Frequency ranges: 9 kHz to 3.0, 7.5, 13.6 or 26.5 GHz



## Expect More

A great low-cost signal analyzer surpasses the basics and delivers crucial functionality. That's the strength of the CXA signal analyzer, the leading low-cost tool for essential signal characterization. Its capabilities provide a foundation for cost-effective testing and seamless integration with the other X-Series models. The CXA is also an excellent teaching tool for RF and microwave technologies and signal analysis. Get must-have capability with X-Series expandability in the CXA—and master the essentials.

## Our most popular product configurations: simpler, faster, more value!

The Agilent N9000AEP CXA signal analyzer express configuration provides excellent value and the fastest delivery of the most popular CXA configurations. Created to get necessary RF and microwave tools into your hands more quickly, the express configurations provide the performance of a CXA signal analyzer delivered RIGHT NOW. And as one of the X-Series future-ready instruments, these express configurations can evolve as technology changes.

## Ideal for:

- Low tolerance component manufacturing test
- Contract manufacturing
- Education labs and research
- EMC pre-compliance

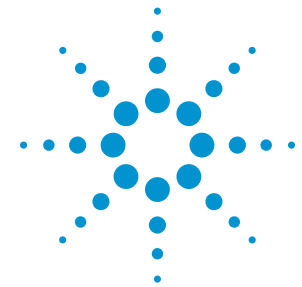
## Available performance upgrades

- Fine resolution step attenuator
- Basic EMC functionality
- Precision frequency reference

## X-Series benefits and features:

### Future-ready instruments—so you can evolve as technology changes

- Move along the performance curve today and tomorrow without rewriting your test code, optimizing price and performance for whichever technologies you're pursuing and whichever X-Series analyzer you choose to use
- Evolve with commercial PC technology, keeping your test assets current and extending instrument longevity with upgradeable CPU, memory, disk drives, and I/O ports
- Upgrade instrument functionality and applications with no downtime via license key upgrades
- Enhance uptime with proven X-Series reliability and robust hardware architecture



## Consistent measurement framework for signal analysis—enables your teams to move at a faster pace

- Ensure repeatable results and measurement integrity with proven algorithms used across the X-Series. For example, built-in PowerSuite provides a comprehensive collection of one-button measurements that provide consistent results across the X-Series and with legacy PSA and ESA signal analyzers
- Boost efficiency and productivity with a common, familiar user-interface: learning one X-Series signal analyzer means knowing them all
- Leverage test-system software from R&D to design verification to manufacturing with 100% code compatibility (programming commands) across the full range of X-Series performance points

Get greater reliability with new three-year standard warranty



Three-Year Warranty

Agilent's three-year warranty is one more way we help you achieve increased confidence in uptime, reduced cost of ownership, and greater convenience. [www.agilent.com/find/ThreeYearWarranty](http://www.agilent.com/find/ThreeYearWarranty)

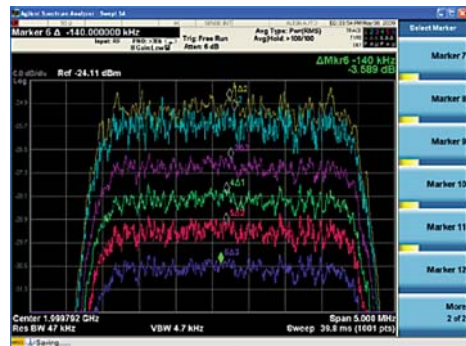


# Product Fact Sheet

## Agilent N9000AEP CXA Signal Analyzer Express Configuration

### Key specifications

Frequency ranges	9 kHz to 3 GHz (N9000AEP-001/003) 9 kHz to 7.5 GHz (N9000AEP-002/004) 9 kHz to 13.6 GHz (N9000AEP-005) 9 kHz to 26.5 GHz (N9000AEP-006)
Absolute amplitude accuracy (95% confidence)	±0.5 dB
Displayed average noise level (DANL)	-163 dBm at 1 GHz with preamplifier on
Third-order intermodulation distortion (TOI)	Up to +17 dBm
Phase noise	-102 dBc/Hz at 10 kHz offset (1 GHz carrier)
Analysis bandwidth	10 MHz standard
Resolution bandwidths	1 Hz to 3 MHz (10 % steps), 4, 5, 6, 8 MHz
Video bandwidths	1 Hz to 3 MHz (10% steps); 4, 5, 6, 8 and 50 MHz
Trace points	1 to 40,001 (All spans)



Simultaneous detectors in a single sweep



PowerSuite (spectrum emission mask)



PowerSuite (adjacent channel power)

Technical data, availability, and pricing subject to change without notice.  
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Model	Description
N9000AEP-001	CXA express: frequency range, 9 kHz to 3 GHz with 3 GHz preamplifier
N9000AEP-002	CXA express: frequency range, 9 kHz to 7.5 GHz with 7.5 GHz preamplifier
N9000AEP-003	CXA express: frequency range, 9 kHz to 3 GHz with 3 GHz preamplifier and 3 GHz tracking generator
N9000AEP-004	CXA express: frequency range, 9 kHz to 7.5 GHz with 7.5 GHz preamplifier and 6 GHz tracking generator
N9000AEP-005	CXA express: frequency range, 9 kHz to 13.6 GHz with 7.5 GHz preamplifier
N9000AEP-006	CXA express: frequency range, 9 kHz to 26.5 GHz with 7.5 GHz preamplifier

Option	Description
N9000AEP-FSA	Fine resolution step attenuator
N9000AEP-EMC	Basic EMC functionality
N9000AEP-PFR	Precision frequency reference



All the usability innovations of the X-Series are available in the new low-cost CXA signal analyzer

To find a distributor go to: [www.agilent.com/find/distributors](http://www.agilent.com/find/distributors)

### Recommended service options

- Warranty Assurance Plan - Return to Agilent - 5 years
  - Calibration Assurance Plan - Return to Agilent - 3 years
  - Calibration Assurance Plan - Return to Agilent - 5 years
- For more information go to [www.agilent.com/find/AssurancePlans](http://www.agilent.com/find/AssurancePlans)



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