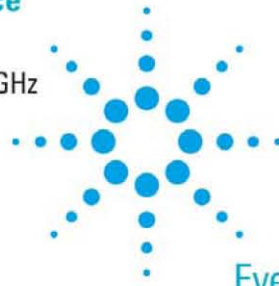


## Agilent E5052A Signal Source Analyzer

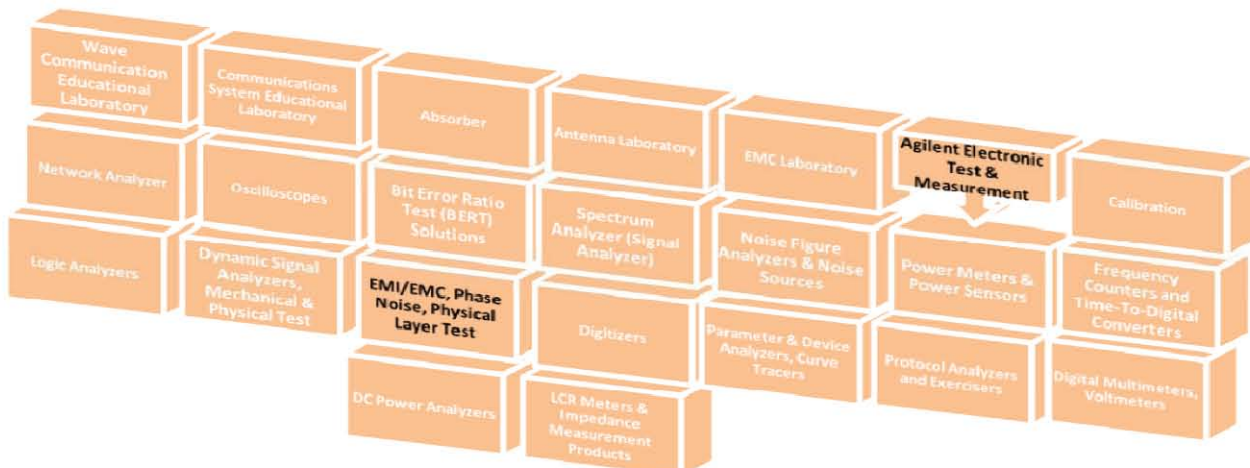
10 MHz to 7, 26.5, or 110 GHz



Everything you need for  
signal source analysis



**Performance and innovative features to dramatically improve your productivity.**



## Everything you need for signal source analysis in one instrument

Testing the performance of next-generation signal sources such as voltage-controlled oscillators (VCOs), surface acoustic wave (SAW) oscillators, dielectric resonator oscillator (DROs), PLL synthesizers, RFICs, transmitters, and other devices can be challenging - especially with a bench full of instruments. Valuable time is spent learning to use multiple tools, determining the best tool to use, calibrating each instrument, setting up measurements, and then getting the right parameters. Capability restrictions in a number of the older instruments also make it difficult and time consuming to obtain the right parameters to get accurate measurements.

With Agilent Technologies' new Signal Source Analyzer (SSA), engineers no longer need a bench full of tools. All they need is one comprehensive test solution to perform next-generation signal source analysis.

### The Agilent E5052A Signal Source Analyzer:

- ✓ Performs all the critical signal source evaluations in one instrument
- ✓ Simplifies complicated, time-consuming measurements and dramatically reduces test time
- ✓ Provides excellent phase noise and transient measurements with performance to meet tough measurement challenges
- ✓ Has the right combination of performance and ease-of-use to significantly improve design and test productivity

Agilent's Signal Source Analyzer delivers unparalleled performance and versatility for a variety of signal sources in a wide range of industries such as wireless communications, aerospace & defense, satellite communications, automotive, education, and more.

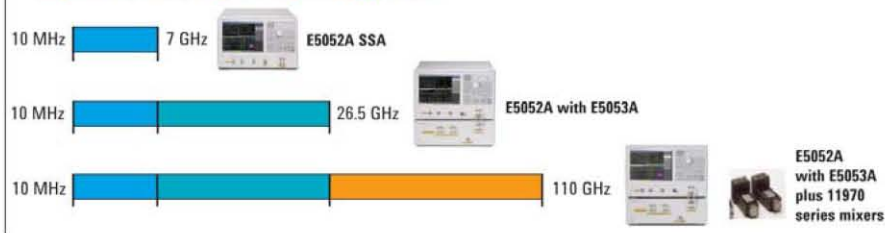


Engineers no longer need a bench full of tools to perform signal source analysis.



Today, engineers only need a single tool for signal source analysis.

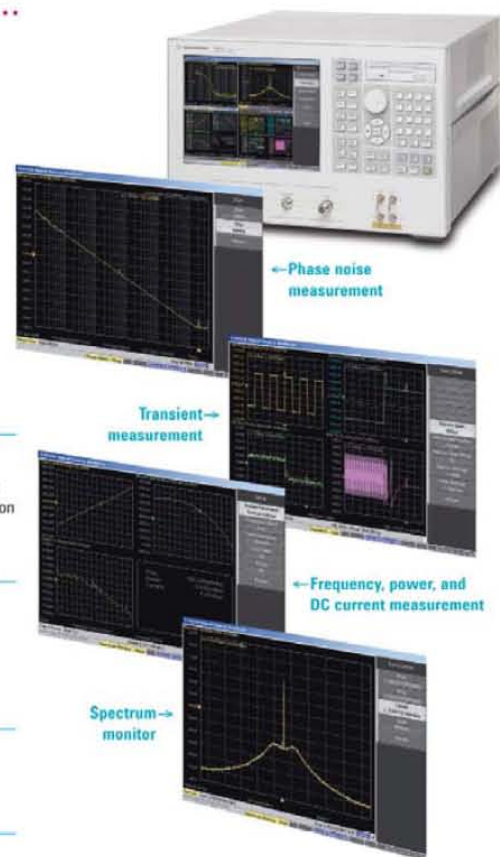
### Signal source analyzer frequency options



## One instrument does it all...

Agilent's Signal Source Analyzer provides an indispensable set of measurements in one comprehensive tool:

- Phase noise
- Frequency, phase, and power, transients over time
- Frequency, RF power, and DC current
- Spectrum monitor



### Features

### Benefits

True single-connection for signal source evaluations

- Dramatically simplifies complicated measurement procedures and reduces test time by eliminating reconnection and set up of individual instruments.

One-step phase noise measurement

- Easy, one-step process eliminates time-consuming tasks and provides measurement speeds more than 10 times faster than conventional methods.

Built-in low-noise reference sources

- Fully-optimized for phase noise measurements and provides excellent phase noise sensitivity.

Cross-correlation technique

- Lowers system phase noise providing exceptional phase noise sensitivity.

Simultaneous transient measurements for frequency, phase, and power over time

- Provides a complete set of measurements to test frequency-switching sources.
- Simultaneous measurements both in wideband and narrowband.
- Captures all behaviors of sources under test, allowing you to analyze very detailed information on signals.

10 nsec sampling resolution with better frequency resolution

- Enables high-speed switching source measurements with tighter tolerance of a settled frequency - even in a very short period.

Ultra low-noise DC sources

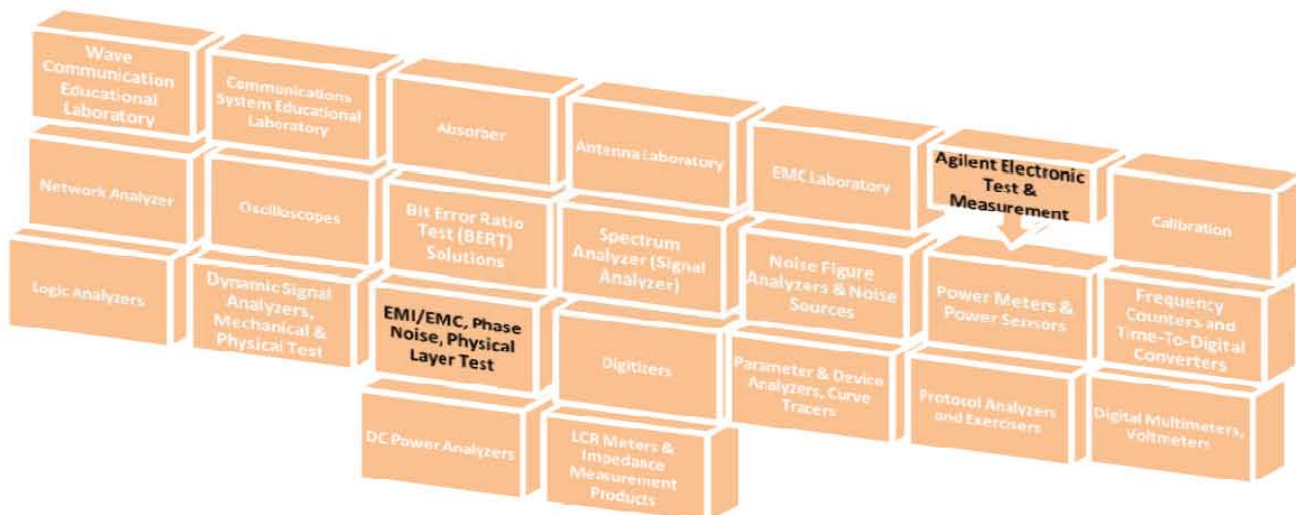
- Outstanding low-noise DC sources provide accuracy and flexibility to improve throughput.

Multiple measurement windows and versatile analysis capabilities

- Up to four measurement windows and a user window can be viewed simultaneously, allowing for faster analysis.

Built-in VBA® programming

- Simplifies complicated measurements and eases automated tests.





## Precompliance EMI Measurements For X-Series Signal Analyzers (PXA/MXA/EXA/CXA)

Perform precompliance EMI measurements to commercial and military standards. Bandwidths and detectors meet current CISPR 16-1-1 (2007) standards. Display limit lines with margins for a wide range of regulatory agency requirements.



### Features

- CISPR 16-1-1 (2007) compliant detectors
- EMI presets for bands and bandwidths
- Built-in limit lines with margins
- Amplitude correction factors
- Measure at marker
- Tune and listen
- PSA code compatibility



Agilent Technologies

