

**Agilent 8560 EC-Series  
Spectrum Analyzers**

**Unlock Measurement  
Performance in Color**



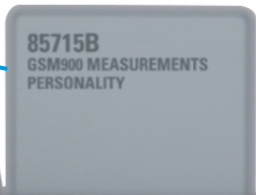
**Agilent Technologies**

Innovating the HP Way

# When measurement performance is key to your success, that is packed with measurement capability and quality.



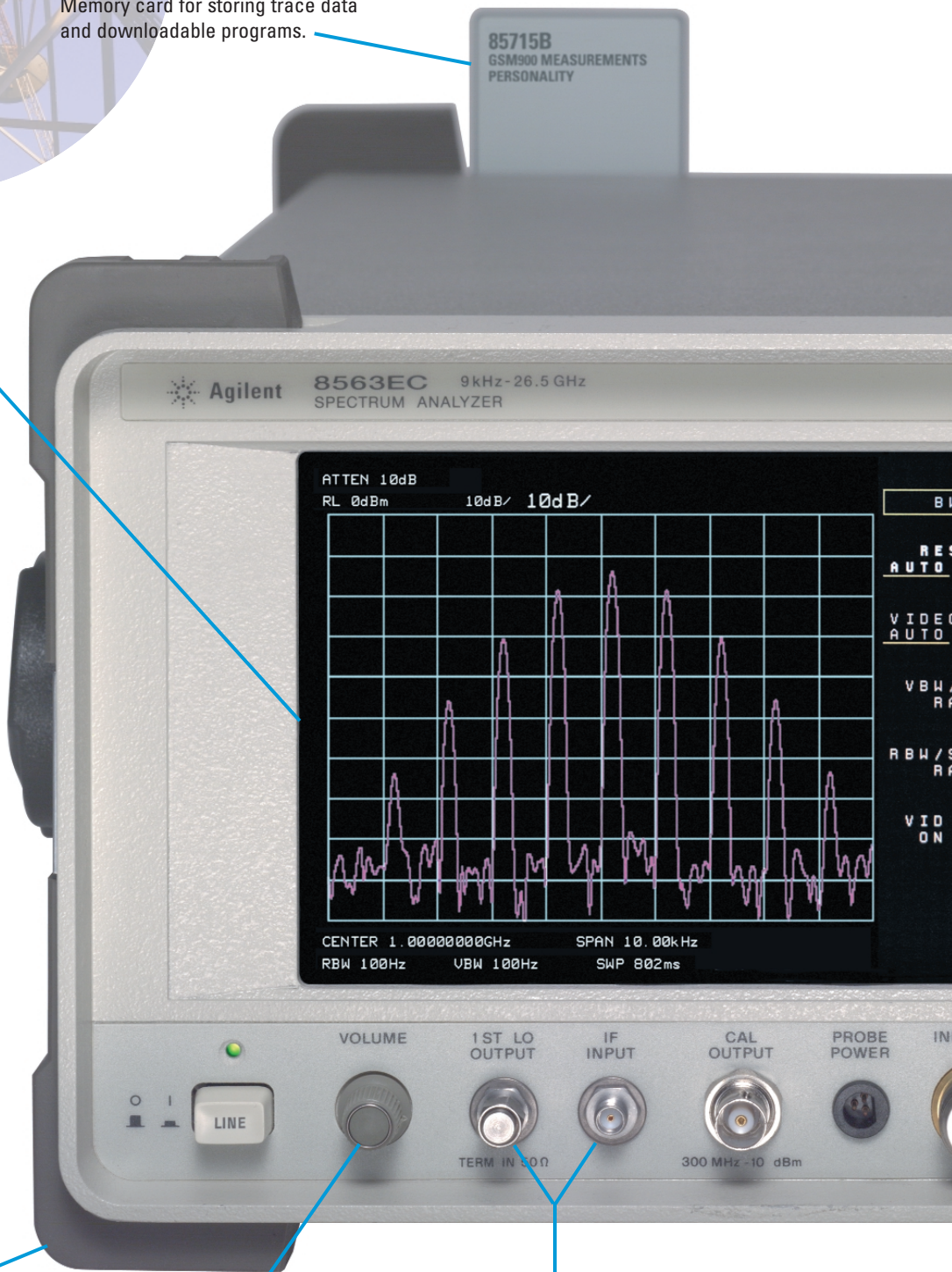
Memory card for storing trace data and downloadable programs.



Color LCD display improves readability and multi-trace distinction.

Outstanding phase noise and sensitivity performance meet the demanding requirements of today's communication systems.

1 Hz minimum resolution bandwidth provides added sensitivity and selectivity. Narrow bandwidths are digitally implemented for fast sweep times.



MIL-PRF-28800F, class 3 rugged design provides the same high performance in harsh environmental conditions as it does on the R&D bench.

AM and FM demodulators with built-in speaker.

Preselection to 75 GHz available with external preselected mixers.

# choose the spectrum analyzer

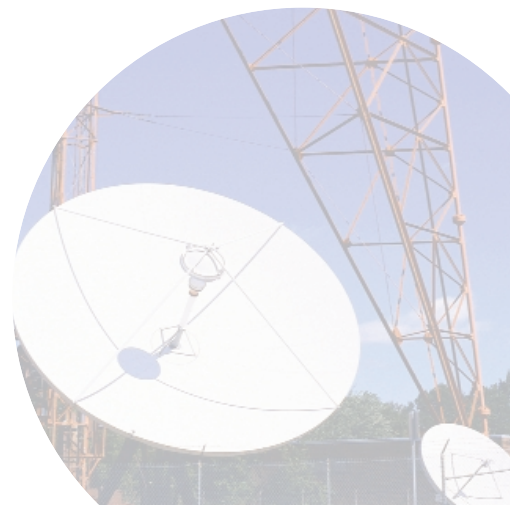
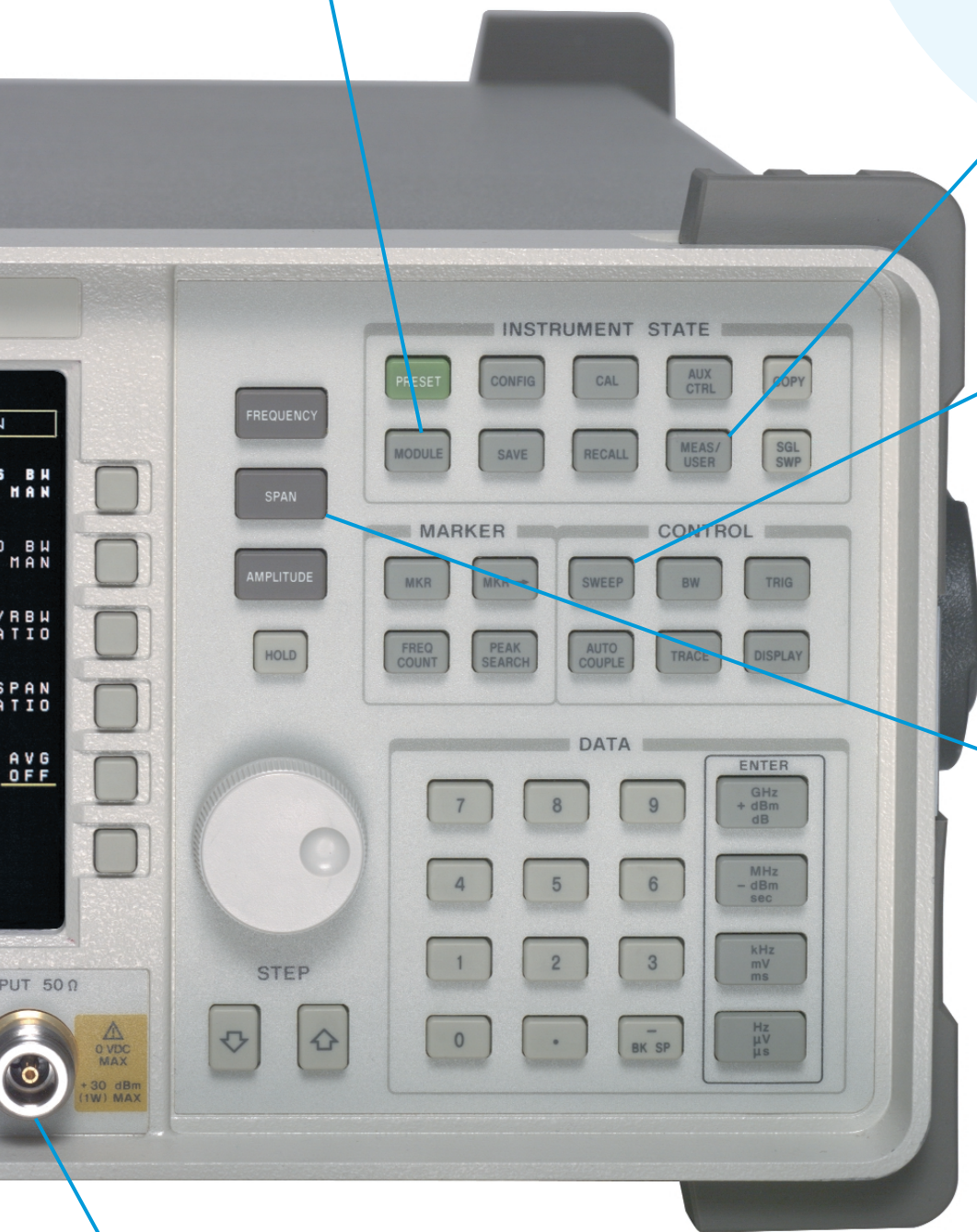
128 Kbytes of user RAM stores up to 100 traces and states or other user information.

Adjacent channel power, occupied bandwidth, and FFT functions provide measurement results quickly.

Time gating and delayed sweep simplify your measurements on time-varying signals.

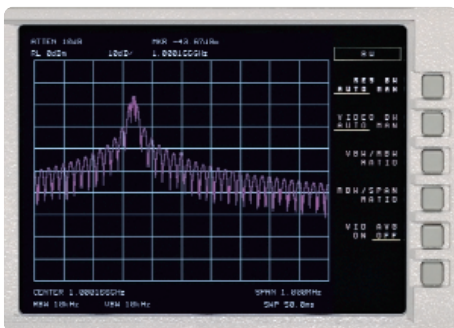
Digitized, fast time-domain sweeps for measurements such as rise/fall times, pulse widths, and time between events.

Continuous sweeps of 9 kHz (optionally 30 Hz) to 50 GHz on the Agilent 8565EC.



## Measurement Performance, Capability, and Quality

The new Agilent Technologies 8560 EC-Series of portable, color-display, RF and microwave spectrum analyzers offers the measurement capability and performance previously found only in larger, more expensive benchtop analyzers. The EC-Series analyzers combine superior phase noise performance, 1 Hz resolution bandwidths, synthesized tuning, sensitivity, and wide dynamic range in a package built to withstand diverse environmental conditions.



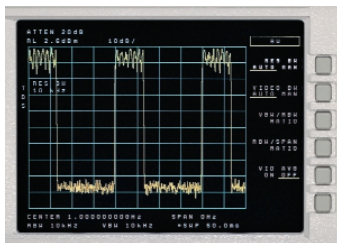
The Agilent 8560 EC-Series provides a complete solution for adjacent channel power (ACP) testing of burst carrier signals using digital modulation as well as the ability to measure occupied bandwidth percentage. Time-gated signal analysis lets you easily measure a wide variety of time-varying signals, such as pulsed RF, time division multiple access (TDMA), interleaving, and burst modulation.

## Product Features

- Color LCD display
- Frequency coverage available from 30 Hz to 50 GHz\*
- Fast, digital resolution bandwidths of 1, 3, 10, 30, and 100 Hz
- Adjacent channel power, channel power, carrier power, occupied bandwidth percentage, and time-gated measurements standard
- Precision timebase and 1 Hz counter resolution
- MIL-PRF-28800F, class 3 rugged design
- Measurement personalities for digital radio and phase noise\*

## The 8560 EC-Series Spectrum Analyzer Family

- Agilent 8560EC RF Spectrum Analyzer (30 Hz to 2.9 GHz)
- Agilent 8561EC RF Spectrum Analyzer (30 Hz to 6.5 GHz)
- Agilent 8562EC RF Spectrum Analyzer (30 Hz to 13.2 GHz)
- Agilent 8563EC Microwave Spectrum Analyzer (9 kHz to 26.5 GHz)
- Agilent 8564EC Millimeter-Wave Spectrum Analyzer (9 kHz to 40 GHz)
- Agilent 8565EC Millimeter-Wave Spectrum Analyzer (9 kHz to 50 GHz)



## Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

### Our Promise

"Our Promise" means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

### Your Advantage

"Your Advantage" means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

Get assistance with all your test and measurement needs at:  
[www.agilent.com/find/assist](http://www.agilent.com/find/assist)

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\* Frequency coverage and measurement options are priced separately.



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