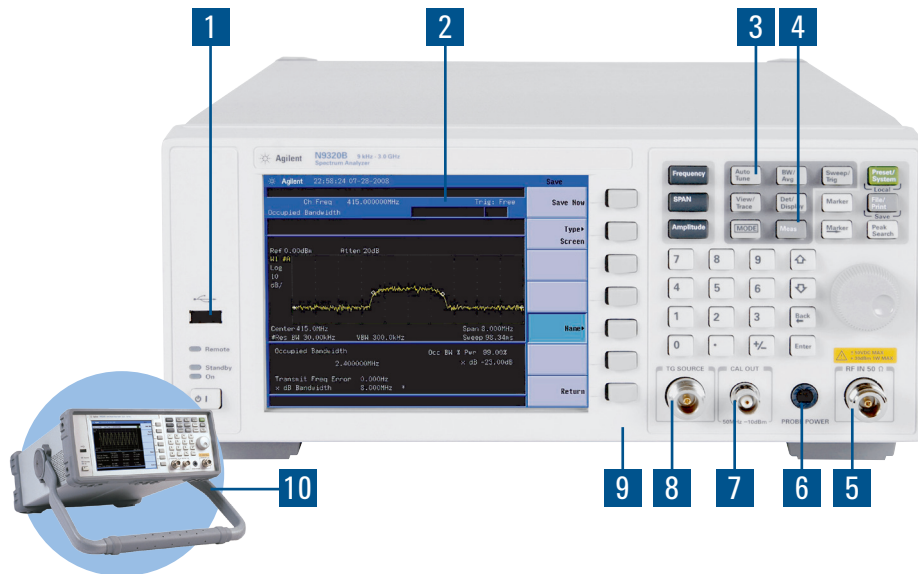
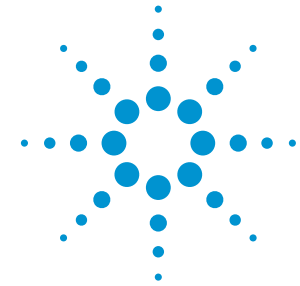


# Agilent N9320B RF Spectrum Analyzer

Best-in-class performance, practical value



1. Standard LAN and USB connectivity
2. 6.5" color display with multi-language UI
3. Smart auto-tune automatically centers the signal
4. One-button power measurement
5. RF IN (Type-N female)
6. Probe power for high-impedance AC probes
7. CAL Out (BNC type, Female)
8. TG source output (Type-N female), requires Option TG3
9. Compact design (H x W x D): 132.5 x 320 x 400 mm (5.2 x 12.6 x 15.7 in)
10. Option 1HB provides additional protection to the instrument

Agilent N9320B features maximize your productivity, minimize your cost

Fast, accurate power and spectrum measurements

- Overall  $\pm 1.5$  dB amplitude accuracy (typical  $\pm 0.5$  dB)
- Minimum 10 ms none-zero span sweep time
- Supports Agilent U2000 Series power sensor

Cost-effective tool for automated test projects

- SCPI remote command set complies with IEEE488.2
- Remote language compatibility with Agilent ESA-L Series spectrum analyzer and N9320A
- LAN, USB, and GPIB connectivity

Easy of use, with robust functionality

- One-button auto-tune quickly centers and reads out frequency and amplitude of the largest peak
- AM/FM tune and listen
- AM/FM, ASK/FSK demodulation analysis
- EMI filter (-6 dB): 200 Hz, 9 kHz, 120 kHz, 1 MHz



# Quick Fact Sheet

Application	Test case	Performance requirements	Agilent N9320B performance
Transmitter test	Tx power and frequency	<ul style="list-style-type: none"> <li>High measurement accuracy</li> <li>Fast measurement speed</li> </ul>	Overall accuracy $\pm 1.5$ dB 10 ms non-zero span sweep time
Mixer/filter test	<ul style="list-style-type: none"> <li>Distortion</li> <li>Dynamic range</li> </ul>	<ul style="list-style-type: none"> <li>High sensitivity</li> <li>Wide dynamic range</li> </ul>	-148 dBm DANL with preamp MDR 3 > 80 dB
Amplifier test	IP3, 1 dB compression	High TOI and 1 dB compression	<ul style="list-style-type: none"> <li>TOI: +13 dBm</li> <li>1 dB compression: +0 dBm</li> </ul>
Mixer/filter test	Insertion loss, frequency response	Good frequency response and amplitude measurement accuracy	<ul style="list-style-type: none"> <li>Frequency response: <math>\pm 0.8</math> dB</li> <li>Overall amplitude accuracy: <math>\pm 1.5</math> dB</li> </ul>
Interference monitor	Low level signal detecting	High sensitivity	-148 dBm DANL with preamp
Spurious emission	Spurious emission, radiation	Fast speed, high sensitivity	<ul style="list-style-type: none"> <li>10 ms non-zero span sweep time</li> <li>-148 dBm DANL with preamp</li> </ul>

Model	Description
N9320B	3 GHz RF spectrum analyzer

Options	Description
N9320B-PA3	3 GHz preamplifier
N9320B-TG3	3 GHz tracking generator
N9320B-G01	GPIB interface
N9320B-AMA	AM/FM demodulation metrics
N9320B-TR1	RF training kit
N9320B-1HB	Handle and bumper
N9320B-1CM	Rack mount kit
N9320B-1TC	Hard transit case
N9320B-EMF	EMI filter
N9320B-DMA	ASK/FSK demodulation metrics

Accessories shipped with each N9320B spectrum analyzer
Quick start guide
Documentation CD-ROM
USB cable (A-B)
N-BNC adapter
BNC cable
Power cord

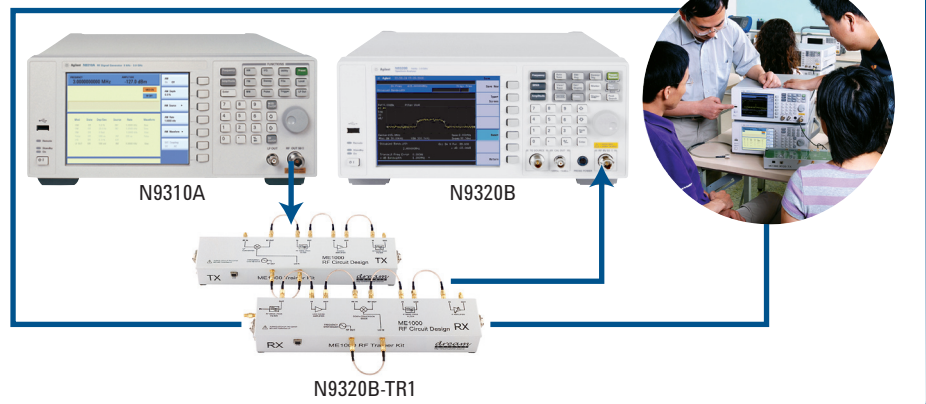
## Agilent low-cost RF solution – Built to perform, priced to compete



N9310A RF signal generator

N9320B RF spectrum analyzer

## Agilent RF teaching lab suite – Greater flexibility for your lab



**Recommended service options**  
 Additional two years of Return-to-Agilent warranty  
 Additional two years of Return-to-Agilent calibrations  
 For more information go to [www.agilent.com/find/removealldoubt](http://www.agilent.com/find/removealldoubt)

