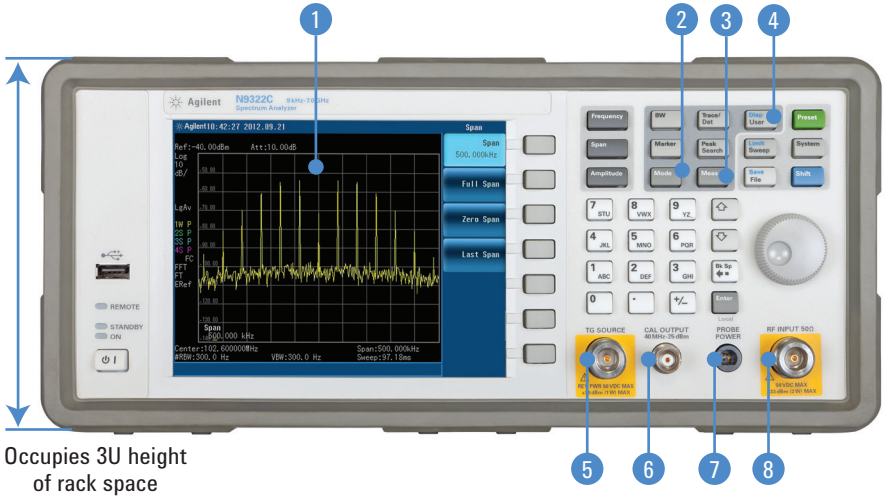
Quick Fact Sheet

Agilent N9322C Basic Spectrum Analyzer (BSA)

Easy on your budget
Tough to beat performance, efficiency and simplicity



1. *6.5'' TFT color display with multiple language UI*
2. *Multiple measurement modes: Spectrum analyzer (default), tracking generator, reflection measurement, modulation analysis, and power meter mode*
3. *One button power suite: channel power, OBW, ACPR, SEM, channel scanner and spectrogram*
4. *User key for quick access to 7 frequently-used measurement configurations*
5. *7 GHz tracking generator (including a built-in VSWR bridge)*
6. *40 MHz calibration output*
7. *Probe power*
8. *RF input, 50 Ω*

Build your RF bench for high efficiency with the value-priced N9322C BSA

Reliable performance provides you with RF measurement results

- Frequency range covers from 9 kHz to 7 GHz, with up to ±0.1 ppm annual aging rate, reducing frequency drift for more accurate measurements
- Typical –162 dBm DANL allows to view low-level signals easily and clearly
- Typical ±0.3 absolute amplitude accuracy provides you with greater confidence in power measurement results

Value-added capabilities help you gain more insight during RF design and troubleshooting

- 7 GHz tracking generator with built-in VSWR bridge, supports transmission and reflection measurements
- Demodulation mode allows you to easily and cost-effectively gain more insight into AM/FM and ASK/FSK signal analysis
- Supports Agilent U2000 Series and U2020 X-Series USB power sensors for precision amplitude accuracy measurement
- Built-in DC input channel for AM/FM in-band, on-channel measurement, and xDSL measurement from 9 kHz to 12 MHz

Minimized learning curve enhances productivity

- 7 user-definable softkeys provide quick access to 7 of the most frequently used measurement setups, helping you easily switch from one task to another
- Task planner makes testing fast and easy by automating testing using pre-defined test routines
- SCPI commands compatible with ESA Series

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Key specifications *(Preliminary)*

Specification	Description
Frequency range	9 kHz to 7 GHz
Absolute amplitude accuracy	± 0.3 dB (preamplifier off); ± 0.4 dB (preamplifier on)
Frequency response (PA off)	0.8 dB (F < 3 GHz); 1.0 dB (F > 3 GHz)
DANL (preamplifier on, normalized to 1 Hz)	
• Frequency at 1 GHz	• –162 dBm
• Frequency at 4 GHz	• –161 dBm
• Frequency at 7 GHz	• –154 dBm
Input attenuator	50 dB range, in 1 dB steps
TOI	+10 dBm
Sweep speed	2 ms to 1000 s (span > 100 Hz); 6 µs to 1000 s (span = 0 Hz)

General specifications

Specification	Description
Operating temperature	5 to 45 °C
Nominal power consumption	25 W
Dimension (H x W x D)	132.5 x 320 x 400 (mm) 5.2 x 12.6 x 15.7 (inch)
Weight	7.6 kg
Calibration cycle	1 year

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**

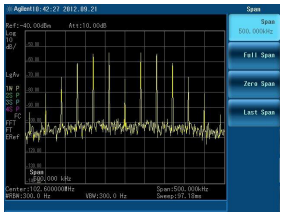
Ordering information

Model/Option	Description
N9322C	Basic spectrum analyzer, 9 kHz to 7 GHz
PA7	Preamplifier, 7 GHz
TG7	Tracking generator, 7 GHz
RM7	Reflection measurement (requires TG7)
G01	GPIB interface
AMA	AM/FM demodulation analysis
DMA	ASK/FSK demodulation analysis
TMG	Gated sweep
TPN	Task planner
SEC	Security features
MNT	Signal monitor with spectrogram
SCN	Channel scanner
PWM	U2000 Series power sensor support
PWP	U2020 X-Series power sensor support
BB1	Baseband input, 9 kHz to 12 MHz
PFR	Precision frequency reference

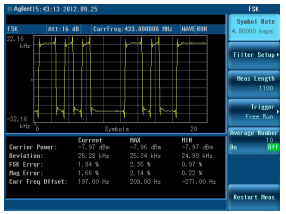
Measurement features

Channel scanner

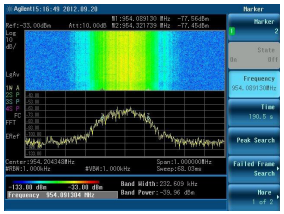
Task planner



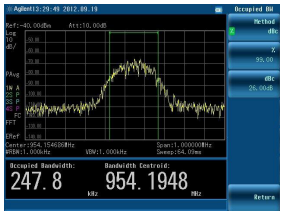
FM demodulation analysis



FSK demodulation analysis



Spectrogram



Power suite - Occupied bandwidth

Accessories shipped with each N9322C BSA:

- Documentation DVD
- USB cable
- N-BNC adapter
- BNC cable
- Power cord

5991-1283EN

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