

# Agilent N9344C 20 GHz Handheld Spectrum Analyzer



If you are making measurements in the field, the Agilent N9344C handheld spectrum analyzer (HSA) makes your job easier. It's got the features you need for operating in tough field environments, and its measurement performance gives you confidence the job's been done right. The N9344C HSA lets you automate routine tasks to save time and ensure consistent results. Field testing just got easier with the Agilent N9344C HSA.

## Field testing just got easier



Get the features you need in a field-ready instrument:

- Rugged and fanless design for tough field environments.
- Clear screen viewing, day and night.
- Built-in GPS receiver and GPS antenna.
- Dedicated applications for spectrum monitoring and interference analysis.
- Flexible remote control via USB/LAN.

Gain confidence in your measurements with benchtop performance in a handheld instrument:

- Best-in-class RF performance (-155 dBm/Hz DANL, < 0.95 s sweep time for 20 GHz full span).
- Power suite, built-in tracking generator, AM/FM/ASK/FSK modulation analysis, and time-gated sweep.
- High-accuracy power measurements with Agilent USB power sensors.

Innovative **task planner** reduces test setup time by 95%, delivers test automation and consistency, and makes it easy to capture test results, generate reports and share task plans with others.

[www.agilent.com/find/taskplanner](http://www.agilent.com/find/taskplanner)

## Powerful measurement features

**New! Channel scanner (Option SCN)**

**New! ASK/FSK modulation analysis (Option DMA)**

**Built-in GPS receiver and GPS antenna (Option GPS)**

**Spectrum monitor (Option SIM)**

**Agilent U2000 Series USB power sensor support (Option PWM)**

**Task planner for routine test automation (Option TPN)**

**Measuring two-port transmission with tracking generator (Option TG7)**

**Erase user memory for security purpose (Option SEC)**

**AM/FM modulation analysis (Option AMA)**

**Time-gated spectrum analysis (Option TMG)**



# Quick Fact Sheet

## Key specifications

Specification	Description
Frequency range	1 MHz to 20 GHz (tunable to 9 kHz)
Displayed average noise level (DANL) at 3 GHz/7 GHz/13 GHz/18 GHz, normalized to 1 Hz, typical	-142 dBm/-142 dBm/-140 dBm/-139 dBm, PA OFF
	-154 dBm/-155 dBm/-155 dBm/-151 dBm, PA ON
RBW range	10 Hz to 3 MHz (1-3-10 steps)
TOI at 18 GHz, typical	+15 dBm
Phase noise, typical	-89 dBc/Hz at 30 kHz
	-119 dBc/Hz at 1 MHz
Sweep speed	2 ms to 1000 s
	6 $\mu$ s to 200 s
Amplitude accuracy	$\pm$ 1.3 dB
Dimension	318 mm x 207 mm x 69 mm (12.5 inch x 8.15 inch x 2.7 inch)
Weight	3.6 kg (7.9 lbs)
Battery	3.5 hours, field replaceable

## Option

Item	Description	Upgradability
N9344C	Handheld spectrum analyzer, 1 MHz to 20 GHz	N/A
P20	Preamplifier, 20 GHz	Yes, license
TG7	Tracking generator, 7 GHz	Yes, H/W + license
SIM	Spectrum monitor with spectrogram record and playback	Yes, license
GPS	GPS receiver with built-in GPS antenna	Yes, license
TPN	Task planner for test automation	Yes, license
PWM	USB power sensor support	Yes, license
SEC	Secure erase of user data	Yes, license
TMG	Time-gated spectrum analysis	Yes, license
AMA	AM/FM modulation analysis	Yes, license
<b>New!</b> DMA	ASK/FSK modulation analysis	Yes, license
<b>New!</b> SCN	Channel scanner	Yes, license

## Accessories



**N9311X-518**  
directional antenna



**N9344C-SCC**  
ergonomic backpack



**N9344C-BCG**  
external battery charger\*  
\* Batteries not included.



**N9344C-BAT**  
spare battery pack



**N9344C-1DN**  
Automotive 12V DC charger



**N9344C-1TC**  
Hard transit case

More accessories at [www.agilent.com/find/n9311X](http://www.agilent.com/find/n9311X)

### 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)

