

## Agilent N9342C 7 GHz Handheld Spectrum Analyzer

If you are making measurements in the field, the Agilent N9342C 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 N9342C HSA let you automate routine tasks to save time and ensure consistent results. Field testing just got easier with the Agilent N9342C 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 (-164 dBm/Hz DANL, minimum sweep time < 2 ms).
- Powerful one-button measurements, built-in tracking generator, AM/FM modulation analysis and time-gated sweep.
- High-accuracy power measurements with Agilent USB power sensors.

Innovative **task planner**: [www.agilent.com/find/taskplanner](http://www.agilent.com/find/taskplanner) slashes 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.



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Right Instrument. Right Expertise. Delivered Right Now.

# Quick Fact Sheet

## Key specifications

Specification	Description
Frequency range	100 kHz to 7 GHz (tunable to 9 kHz)
Displayed average noise level (DANL) @ 500 MHz/3 GHz/6 GHz, normalized to 1 Hz, typical	-146 dBm/-144 dBm/-142 dBm, PA OFF -164 dBm/-161 dBm/-158 dBm, PA ON
RBW range	10 Hz to 3 MHz (1-3-10 steps)
TOI @ 6 GHz	+10 dBm
Phase noise, typical	-89 dBc/Hz @ 30 kHz -117 dBc/Hz @ 1 MHz
Sweep speed	2 ms to 1000 s, span ≥ 100 Hz 600 ns to 200 s, span = 0 Hz
Amplitude accuracy, typical	± 0.6 dB
Dimension	318 mm x 207 mm x 69 mm (12.5 inch x 8.15 inch x 2.7 inch)
Weight	3.2 kg (7 lbs)
Battery	4 hours, field replaceable

## Option

Item	Description	Upgradability	MSRP
N9342C	Handheld spectrum analyzer, 100 kHz to 7 GHz	N/A	\$11,113
PA7	Preamplifier, 7 GHz	Yes, license	\$1,042
TG7	Tracking generator, 7 GHz	Yes, H/W+ license	\$2,479
SIM	Spectrum monitor with spectrogram record and playback	Yes, license	\$1,653
GPS	GPS receiver with built-in GPS antenna	Yes, license	\$615
TPN	Task planner for test automation	Yes, license	\$1,240
PWM	USB power sensor support	Yes, license	\$594
SEC	Secure erase of user data	Yes, license	\$208
TMG	Time-gated spectrum analysis	Yes, license	\$834
AMA	AM/FM modulation analysis	Yes, license	\$618

## Accessories



**N9311X-518**  
directional antenna



**N9342C-SCC**  
ergonomic backpack



**N9342C-BCG**  
external battery charger\*  
\* Batteries not included.



**N9342C-BAT**  
spare battery pack



**N9342C-1DN**  
Automotive 12V DC charger

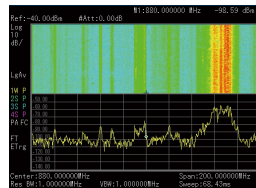


**N9342C-1TC**  
Hard transit case

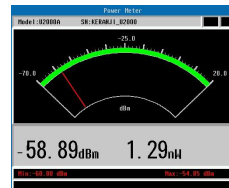
## Powerful measurement features



Built-in GPS receiver and GPS antenna (option GPS)



Spectrum Monitor (option SIM)



Agilent U2000 Series USB power sensor support (option PWM)



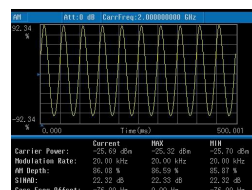
Task planner for routine test automation (option TPN)



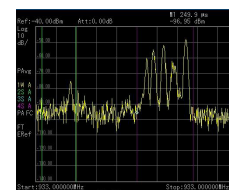
Measuring two-port transmission with tracking generator (option TG7)



Erase user memory for security purpose (option SEC)



AM/FM modulation analysis (option AMA)



Time-gated spectrum analysis (option TMG)

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

## Standard shipped items

- N9342C HSA
- RoHS addendum
- USB cable
- Help kit CD
- Battery Li-Ion
- Ear phone
- Power supply AC/DC
- Quick start tutorial



## 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)

Technical data, availability and pricing subject to change without notice.

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