

## Product Fact Sheet

## Keysight N9340B Handheld 3 GHz RF Spectrum Analyzer

Bright new display and powerful features for field applications



1. 6.5" TFT display for indoor and outdoor use
2. 11-language user interface
3. Speaker and headphone jack
4. Built-in light sensor to adjust brightness automatically
5. 4-hour battery operating time
6. Back-lit keys for night operation
7. USB memory stick interface
8. Headphone jack
9. SCPI control over USB/LAN

### Superior performance

- Lowest DANL
- Narrowest minimum RBW
- Fast test speed

### Powerful features

- Spectrogram
- Spectral emissions mask (SEM)
- AM/FM, ASK/FSK modulation analysis (option)
- IBOC digital radio measurement
- DSL interference measurement
- USB power sensor support

### Exceptional usability

- Bright display 600:1 contrast ratio
- Back-lit keys
- 4-hour battery life
- USB and LAN
- 11-language user interface

Benefits	Features
Most powerful features for field application	Extended spectrogram capability with unlimited data saving, PC monitoring, playback of the spectrogram data, and more (Option INM) IBOC AM/FM measurement with auto-tune function, masks and channel list (Option IBC) AM/FM, ASK/FSK modulation analysis (Option AMA, DMA) Spectrogram for signal stability analysis via three-dimensional display of power, frequency and time Spectrum emission mask for out-of-channel emission measurement U200X USB power sensor support for high accuracy power measurement
Exceptional usability to enhance field productivity	6.5" TFT screen with bright display for use indoors and outdoors Back-lit keys for night use LAN and USB for remote control via SCPI and data transfer, 11-language UI 4 hours battery operation time Rugged design for field use
Achieve a more complete understanding of your spectrum and improve network quality	Best-in-class: Sensitivity (DANL Preamp on, 30 Hz RBW, 0 dB attenuation) <ul style="list-style-type: none"> <li>-144 dBm, 1.0 MHz &lt; fc &lt; 1.5 GHz</li> <li>-136 dBm, 1.5 GHz &lt; fc &lt; 3 GHz</li> <li>-142 dBm, fc = 1.9 GHz (typical)</li> </ul> Lowest SSB phase noise <ul style="list-style-type: none"> <li>&lt; -87 dBc/Hz, 30 kHz offset</li> <li>&lt; -100 dBc/Hz, 100 kHz offset</li> <li>&lt; -120 dBc/Hz, 1 MHz offset fc = 1 GHz</li> </ul> Narrowest RBW <ul style="list-style-type: none"> <li>30 Hz to 1 MHz in the sequence of 1-3-10</li> <li>Minimum 30 Hz RBW helps resolve close-in signals</li> </ul> Fast sweep speed to capture the intermittent signals <ul style="list-style-type: none"> <li>10 ms a 1000 s at span &gt; 1 kHz &lt; 120 ms at full span</li> <li>6 μs to 200 s at span = 0 Hz</li> </ul>

Model	Description
N9340B	3 GHz handheld spectrum analyzer
N9340B-IBC	AM/FM in-band on-channel IBOC measurement
N9340B-INM	Spectrogram monitoring
N9340B-PA3	3 GHz preamplifier
N9340B-TG3	3 GHz tracking generator
N9340B-AMA	AM/FM modulation analysis
N9340B-DMA	ASK/FSK modulation analysis
N9340B-ADP	Spare AC/DC adapter
N9340B-1DN	Automotive 12 V DC charger
N9340B-1TC	Hard transit case

N9340B works with Keysight U2000 Series USB power sensors to provide high accuracy power measurements



### Three-Year Warranty

[www.keysight.com/find/ThreeYearWarranty](http://www.keysight.com/find/ThreeYearWarranty)

Keysight's committed to superior product quality and lower total cost of ownership. Keysight is the only test and measurement company with a three-year warranty standard on all instruments, worldwide. And, we provide a one-year warranty on many accessories, calibration devices, systems and custom products.



### Keysight Assurance Plans

[www.keysight.com/find/AssurancePlans](http://www.keysight.com/find/AssurancePlans)

Up to ten years of protection and no budgetary surprises to ensure your instruments are operating to specification, so you can rely on accurate measurements.