

# N9340B and N9342/43/44C Handheld Spectrum Analyzers (HSAs)

*Field testing just got easier*

If you are making measurements in the field, the Keysight handheld spectrum analyzer family makes your job easier. They've got the features you need for operating in tough field environments, and their measurement performance gives you confidence the job's been done right. The HSAs let you automate routine tasks to save time and ensure consistent results.

- **Field ready:** Rugged design, without fans or vents, clear viewing day and night
- **Benchtop performance:** –164 dBm/Hz DANL, 20 GHz sweep time < 0.9 s
- **Task planner:** Reduces setup time by up to 95% while enabling test automation and improving consistency
- **Multi-functional:** Signal monitoring, interference hunting, EMI pre-compliance test, stimulus/response measurement, and AM/FM, ASK/FSK signal analysis
- BenchVue not supported on N9304B



	N9340B	N9342C	N9343C	N9344C
Frequency range	9 kHz to 3 GHz	9 kHz to 7 GHz	9 kHz to 13.6 GHz	9 kHz to 20 GHz
DANL, normalized to 1 Hz	–164 dBm	–164 dBm	–155 dBm	–155 dBm
Phase noise	–87 dBc at 30 kHz –120 dBc at 1 MHz	–89 dBc at 30 kHz –119 dBc at 1 MHz	–89 dBc at 30 kHz –119 dBc at 1 MHz	–89 dBc at 30 kHz –119 dBc at 1 MHz
TOI	10 dBm	10 dBm	12 dBm	15 dBm
Auto tune	No	Yes	Yes	Yes
Built-in GPS	No	Optional	Optional	Optional
Full span sweep time	1 s	< 0.4 s	< 0.7 s	< 0.9 s
Optional measurement features	AM/FM/ASK/FSK signal analysis, stimulus/response measurement, spectrum monitoring, AM/FM IBOC measurement	AM/FM/ASK/FSK signal analysis, stimulus/response measurement, spectrum monitoring, channel scanner, cable antenna tester <sup>1</sup> , U2020/U2040 X-Series and U2000 Series USB power sensor support, time-gated sweep and security feature		

1. Cable antenna tester option is only available on N9342C HSA.