



# R&S® PR200 PORTABLE MONITORING RECEIVER

## High-performance spectrum monitoring in a handheld format



The perfect choice for

Detecting, identifying and geolocating emission sources

Fast signal searches over wide frequency ranges

Signal parameter analysis – spectral, frequency, content, pattern, geographical

Record and replay signals of interest – IQ, traces, audio, screenshots

Key specifications	
Frequency range <sup>1)</sup>	8 kHz to 8 GHz up to 18 GHz
Demodulation bandwidth	Up to 40 MHz
Real-time bandwidth	Up to 40 MHz
Attenuation <sup>2)</sup>	Up to 40 dB, depends on receiver mode
Power consumption	Typ. 16 W
Dimensions (W x H x D)	192 mm x 320 mm x 62 mm (7.56 in x 12.60 in x 2.44 in)
Weight (incl. battery)	3.5 kg (7.72 lbs)
Battery life	3.5 h

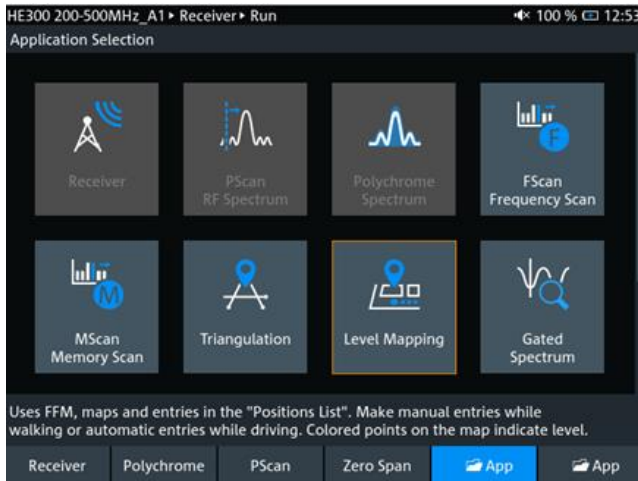
<sup>1)</sup> Base unit with R&S®HF907DC

<sup>2)</sup> switchable, manual/auto

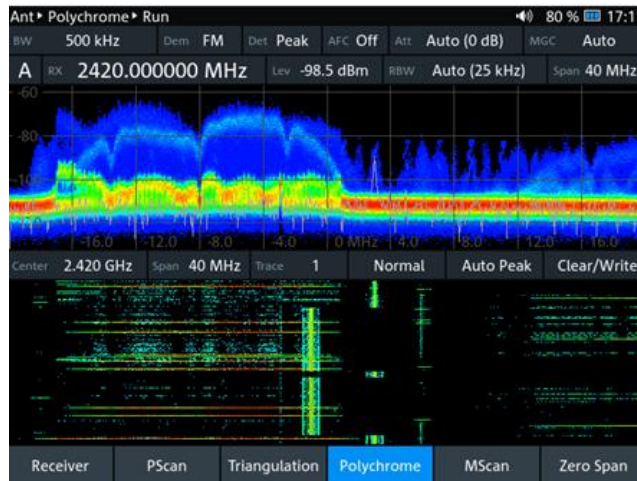
Your benefit	Features
Wide range of tools	<ul style="list-style-type: none"> <li>▶ Parallel time and frequency domain analysis in zero span mode</li> <li>▶ Time-gated spectrum for interference hunting in TDD networks</li> <li>▶ Mapping functions with triangulation and level mapping</li> <li>▶ Parallel waterfall and polychrome display</li> <li>▶ Analysis of analog signals in line with ITU recommendations</li> </ul>
Enhanced usability	<ul style="list-style-type: none"> <li>▶ Application-oriented user interface</li> <li>▶ Wide selection of markers and triggers</li> <li>▶ Good readability even in bright sunlight</li> <li>▶ Illuminated keypad</li> <li>▶ Optional USB router for Wi-Fi smartphone app (Android and iOS)</li> </ul>
Well-rounded for its purpose	<ul style="list-style-type: none"> <li>▶ Interference hunting</li> <li>▶ Frequency conflicts mitigation</li> <li>▶ Signal analysis</li> <li>▶ Frequency coordination at major events</li> <li>▶ Spectrum monitoring/surveillance</li> <li>▶ Automatic direction finding</li> </ul>

### Engineered to take on complex and dense signal scenarios

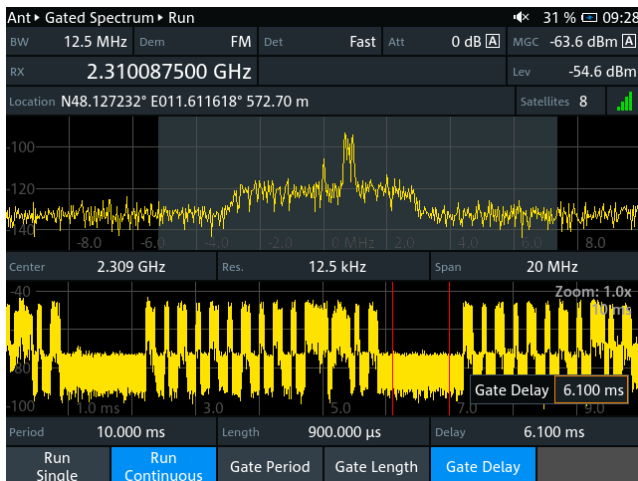
The R&S®PR200 portable monitoring receiver leverages the strengths of its predecessors and is one of the most sophisticated portable tools on the market. Optimized and designed especially for field operations, it combines an intuitive, application-oriented user interface with a comprehensive, newly expanded range of functions.



Fast access with user-configurable, application-oriented interface



Reveal hidden signals that may not otherwise be visible with the polychrome display



Parallel time and frequency domain analysis with up to 40 MHz real-time bandwidth



Mapping tools such as triangulation or level mapping with an integrated spectrum view

Popular accessories	
Hardware options	Type
Base unit including battery, power adaptor, SD card, shoulder strap and built-in GNSS	R&S®PR200
Software options	Type
Field strength measurement	R&S®CS-FS
Time stamp accuracy and external GNSS	R&S®CS-TSA
Polychrome spectrum	R&S®CS-PC
Panorama scan	R&S®CS-PS
Mapping application	R&S®CS-MAP
Time domain measurement	R&S®CS-ZS
DF upgrade, excluding DF antennas <sup>1)</sup>	R&S®CS-DF
Trace recording and replay <sup>1)</sup>	R&S®CS-IR
I/Q snapshot, recording and replay <sup>1)</sup>	R&S®CS-IQ
Modulation measurement <sup>1)</sup>	R&S®CS-MM
Spectral measurement <sup>1)</sup>	R&S®CS-SPM
Accessories	Type
Cable adapter, ODU to binder	R&S®CS-ZHEX00
Car adapter, connector for cigarette lighter	R&S®HA-Z302
Lithium-ion 6.4 Ah battery pack	R&S®HA-Z306
Battery charger	R&S®HA-Z303
Carrying holster including chest harness and rain cover	R&S®HA-Z222
Sun roof and carrying handle <sup>2)</sup>	R&S®PR100-AP1
Suitcase kit for R&S®PR200 <sup>3)</sup>	R&S®PR100-SC
Transport case for R&S®HE400	R&S®HE400Z1
Transport bag (small) for R&S®HE400 (recommended for one or two antenna modules)	R&S®HE400Z2
Transport bag (large) for R&S®HE400 (recommended for three or four antenna modules)	R&S®HE400Z3

<sup>1)</sup> available upon request

<sup>2)</sup> accessory for R&S®HA-Z222

<sup>3)</sup> Includes hard case, headphones, telescopic rod antenna and storage space for the R&S®PR200 and mains adapter