



RFID

Selected products



R&S®SMJ 100A

The R&S®SMJ 100A is the universal generator solution for the development of wireless mobile equipment of any given standard and the associated components.



R&S®FSP

The Spectrum Analyzer R&S®FSP uses the same software options as the high-end models, e.g. the FM Measurement Demodulator R&S®FS-K7, which allows measurements on RFID signals.



R&S®TS 7810

RFID technology has versatile applications, for instance in the automobile industry. The RF Test System R&S®TS 7810 performs production tests on wireless tire pressure sensors connected with onboard electronics.

RFID measurement solutions

	Recommended products	Features/measurements
Signal generation	• Signal Generator R&S®SMU 200A or • Signal Generator R&S®SMJ 100A or • Signal Generator R&S®SMATE 200A	• Frequency range 100 kHz to 6 GHz • Internal I/Q modulation bandwidth 80 MHz (at RF) • Arbitrary waveform generator with 64 Msamples • Up to two signal generators in one box (e.g. useful signal + interferer, R&S®SMU 200A and R&S®SMATE 200A), both up to 6 GHz in the R&S®SMATE 200A • Fading simulator (option) with up to 40 fading paths (R&S®SMU 200A) • Extremely fast setting times and addressable list mode for production (R&S®SMATE 200A)
Signal analysis	• Spectrum Analyzer R&S®FSP or • Signal Analyzer R&S®FSQ or • Spectrum Analyzer R&S®FSU + R&S®FS-K7 software option • Handheld Spectrum Analyzer R&S®FSH 3/6	• FM, AM, PM demodulation • Power measurements • Frequency range 100 kHz to 3 GHz / 6 GHz • Internal preamplifier • Displayed average noise level typ. -135 dBm (RBW 100 Hz) • Level accuracy typ. 0.5 dB • Resolution bandwidths 100 Hz to 1 MHz, one and three steps • Wide range of detectors: sample, max/min peak, auto peak, RMS

