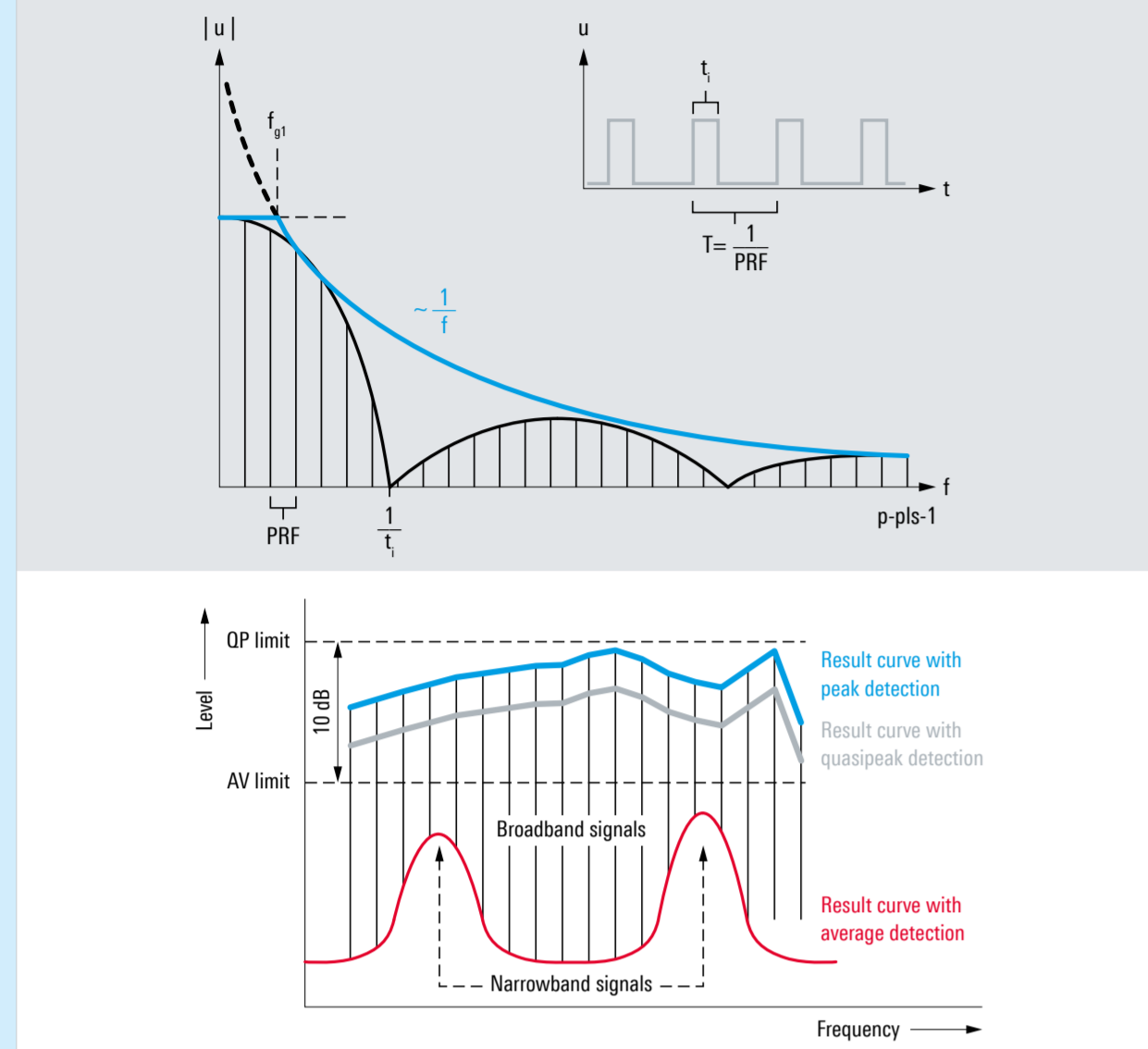
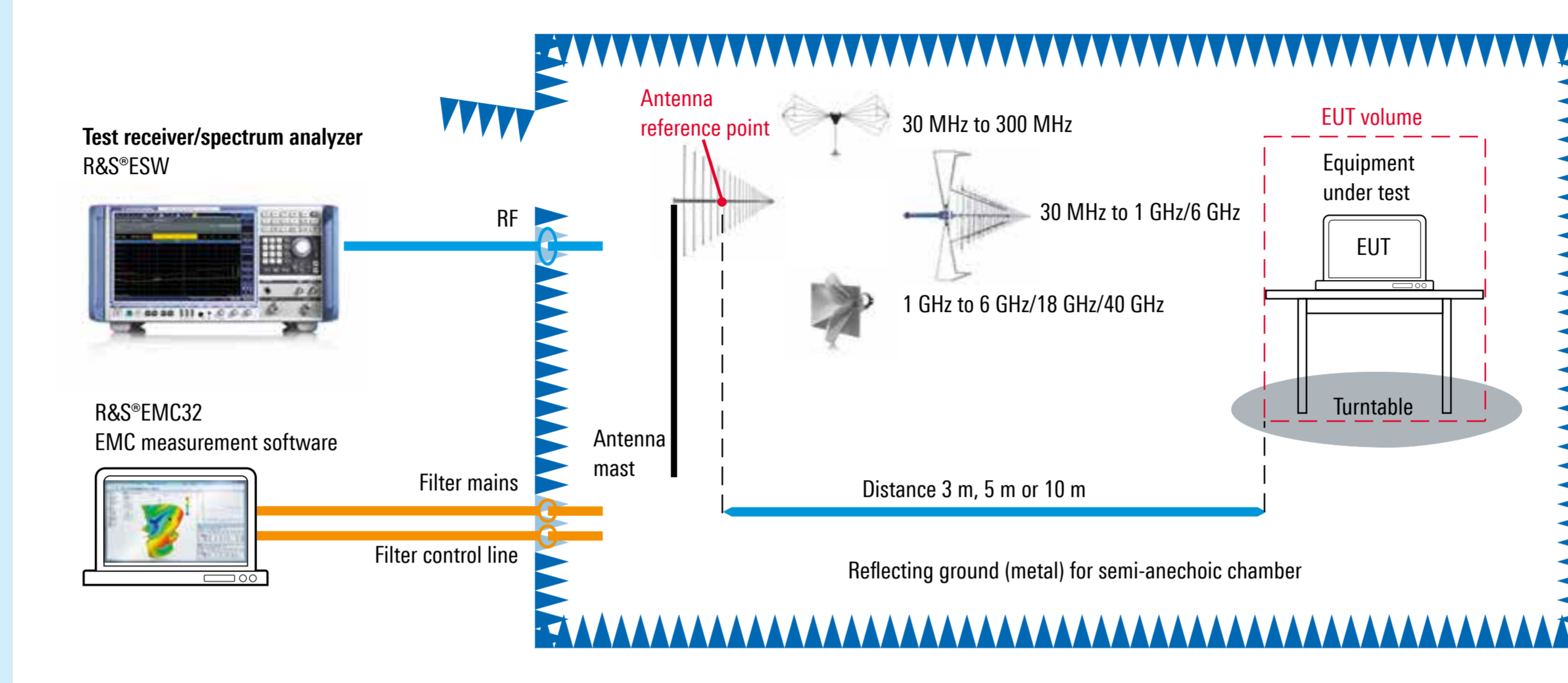


RF fundamentals in commercial EMI testing

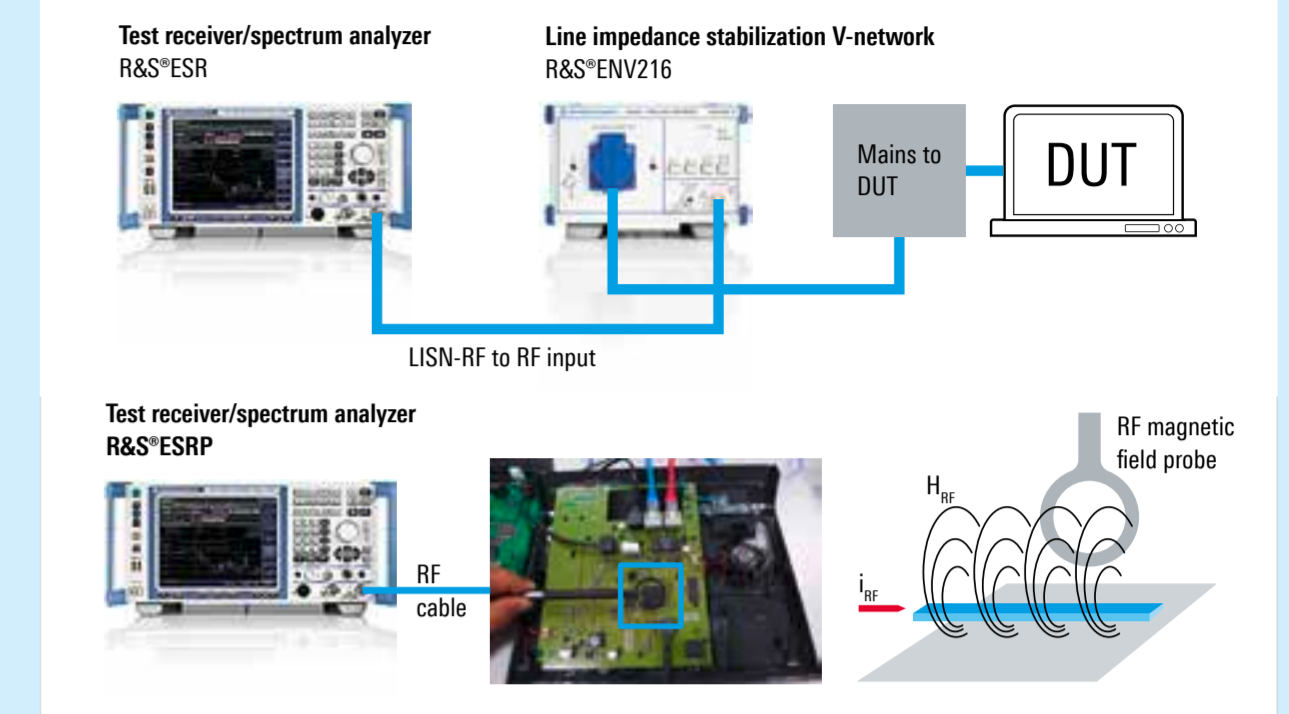
Pulsed signal in time and frequency domain



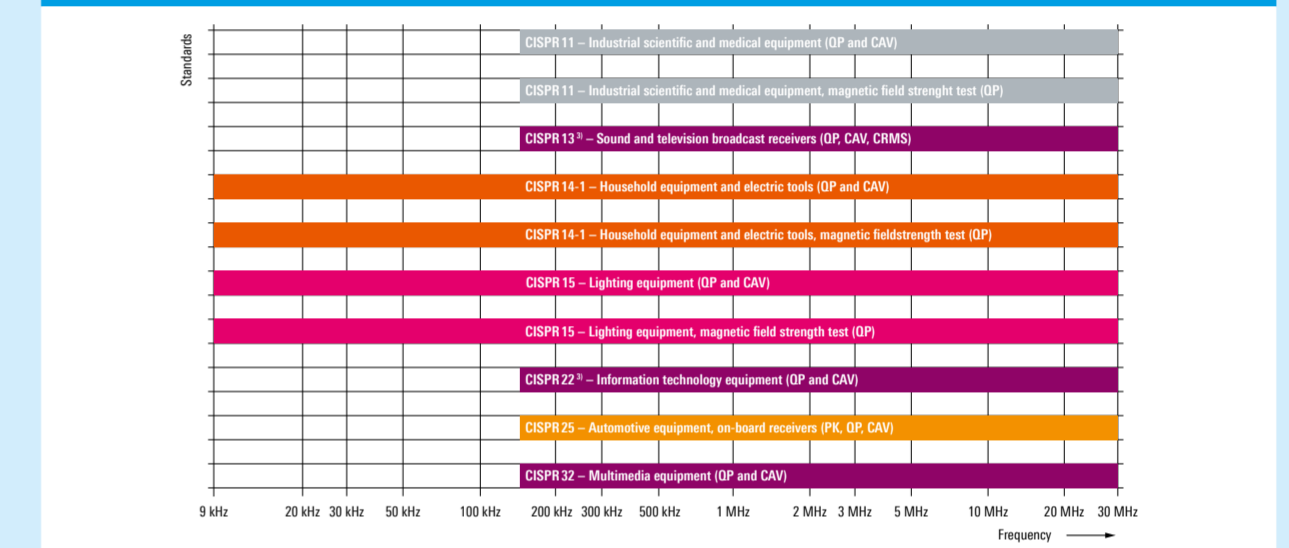
EMI radiated emission test in semi-anechoic chamber (commercial standards CISPR, EN, FCC, ANSI, ETSI)



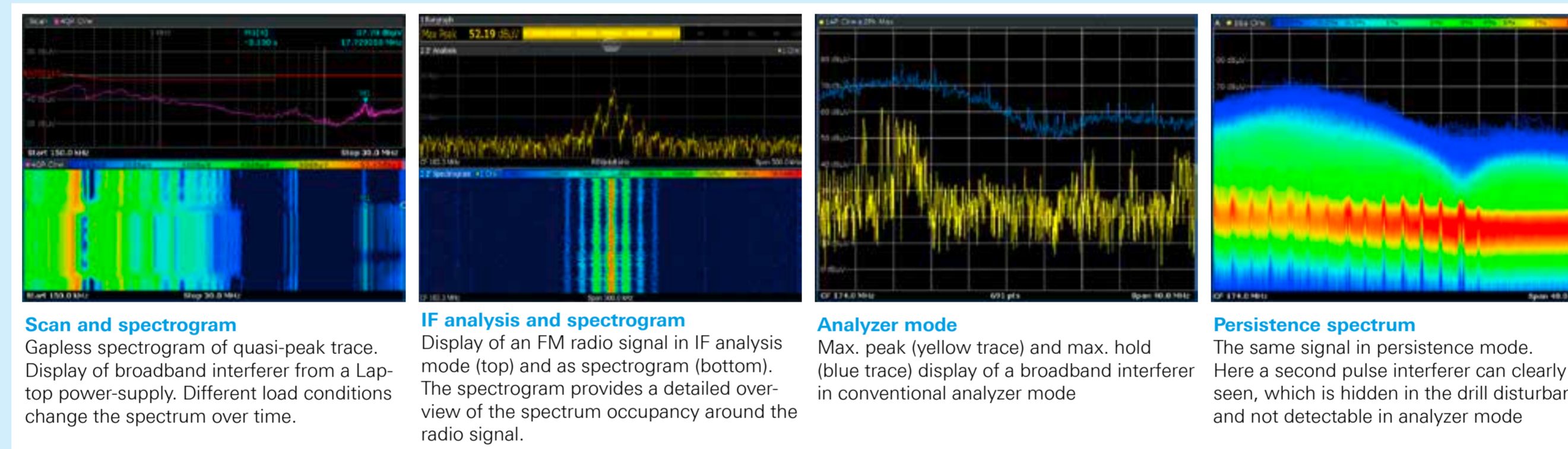
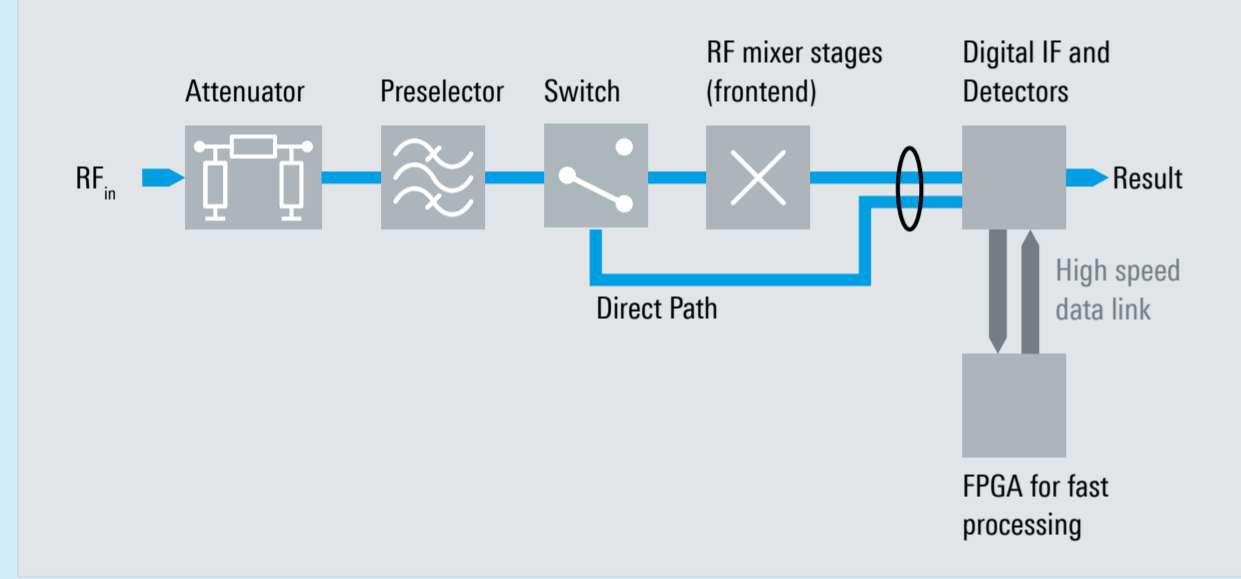
EMI conducted emission test



Conducted and radiated emission tests below 30 MHz



Signal flow and signal processing



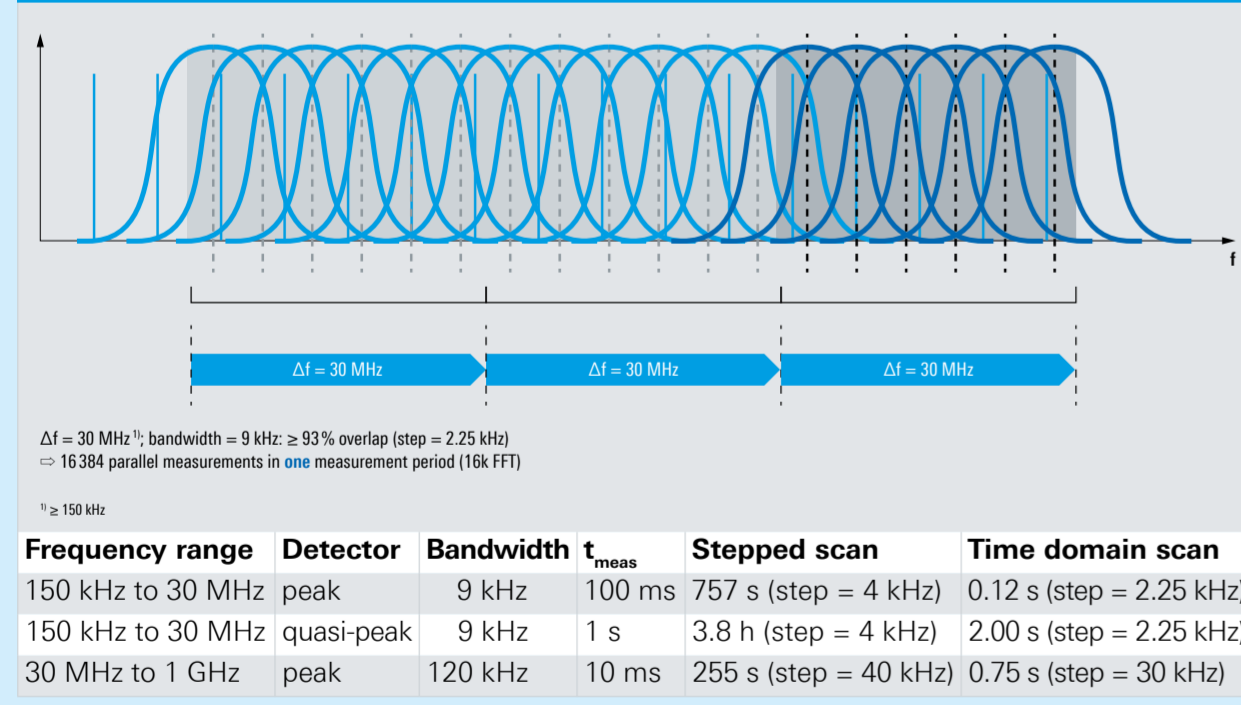
Scan and spectrogram
Gapless spectrogram of quasi-peak trace. Display of broadband interferer from a Lap-top power-supply. Different load conditions change the spectrum over time.

IF analysis and spectrogram
Display of an FM radio signal in IF analysis mode (top) and as spectrogram (bottom). The spectrogram provides a detailed overview of the spectrum occupancy around the radio signal.

Analyzer mode
Max. peak (yellow trace) and max. hold (blue trace) display of a broadband interferer in conventional analyzer mode

Persistence spectrum
The same signal in persistence mode. Here a second pulse interferer can clearly be seen, which is hidden in the drill disturbance and not detectable in analyzer mode

More speed with FFT-based measurements



Note: All measurement times valid for R&S ESR

EMI compliance solutions



R&S ESW EMI test receiver
Maximum precision, standard-compliant EMI measurements at unparalleled measurement speed
Frequency range from 2 Hz to 8/26,5/44 GHz



R&S ESR EMI test receiver
EMI test receiver CISPR 16-1-1 Ed 3.1 compliant
FFT-based time domain scan for ultra-fast measurements (option)
Realtime spectrum analysis for detailed investigation of disturbances (option)

EMI precompliance solutions

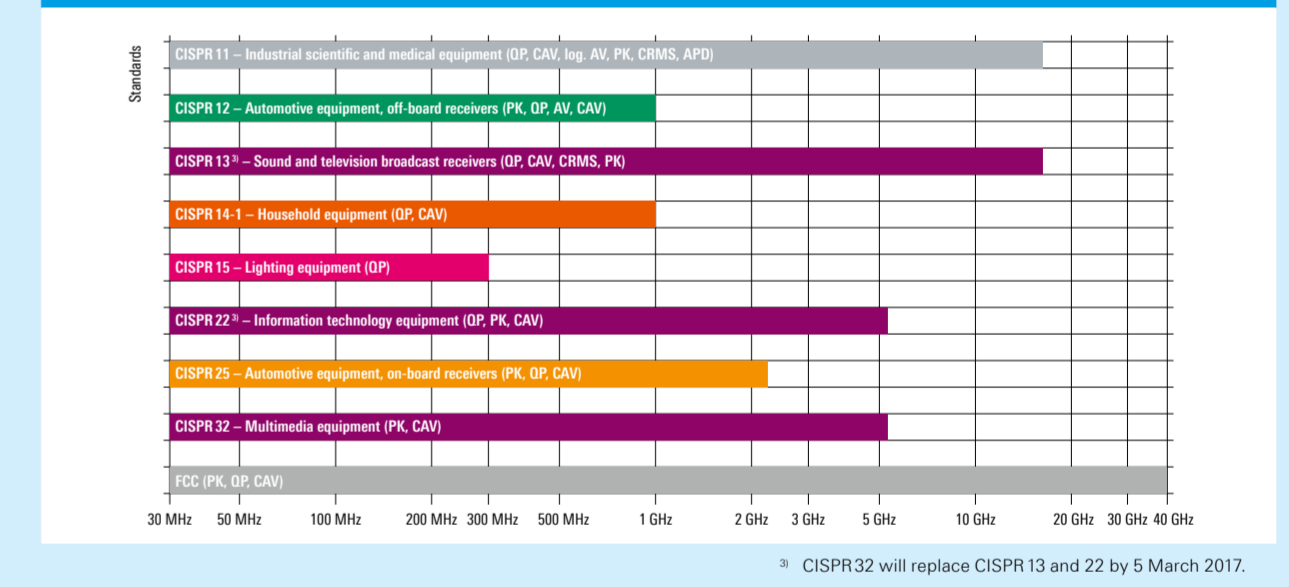


R&S ESRP EMI test receiver
EMI test receiver and signal and spectrum analyzer in one box
Optional preselection, preamp and FFT-based time domain scan to speed up measurements
RBW (optionally in decade steps from 10 Hz to 1 MHz) and detectors in line with CISPR



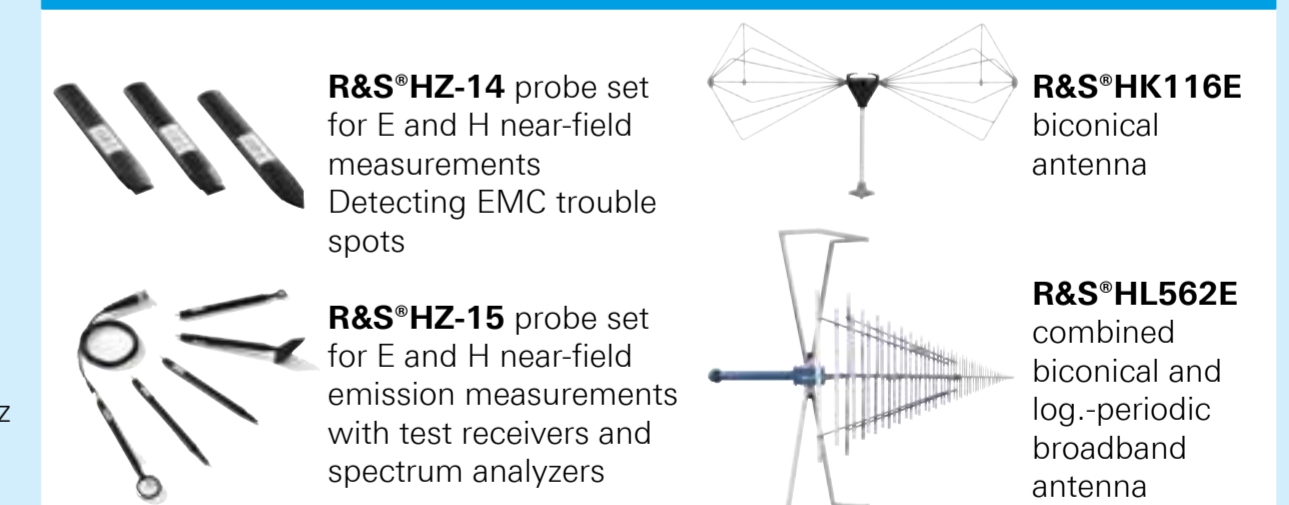
R&S ESL EMI test receiver
EMI test receiver and spectrum analyzer combination in the entry-level class
Frequency range from 9 kHz to 3 GHz/6 GHz covering almost all commercial EMC standards

Radiated emission tests above 30 MHz



* CISPR 32 will replace CISPR 13 and 22 by 5 March 2017.

Accessories



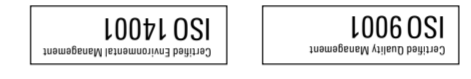


RF fundamentals in commercial EMI testing

- Service that adds value
- Worldwide
- Local and personalized
- Customized and flexible
- Uncompromising quality
- Long-term dependability

About Rohde & Schwarz
 The Rohde & Schwarz electronics group offers innovative solutions in the following business fields: test and measurement, broadcast and media, secure communications, cybersecurity, radionavigation and radolocation. Founded in 1903, Rohde & Schwarz is a global leader in test and measurement equipment. The electronics group is among the world market leaders in its established business fields. The company is headquartered in Munich, Germany. It also has regional headquarters in Singapore, Columbia, Maryland, USA, to manage its operations in these regions.

- Sustainable product design**
- Environmental compatibility and eco-footprint
 - Energy efficiency and low emissions
 - Longevity and optimized total cost of ownership



Rohde & Schwarz GmbH & Co. KG
 www.rohde-schwarz.com

- Regional contact**
- Europe, Africa, Middle East | +49 89 4129 12345
 - customer.support@rohde-schwarz.com
 - North America | 1 888 TEST RSA (1 888 837 87 72)
 - customer.support@rohde-schwarz.com
 - Latin America | +1 410 910 79 88
 - customer.support.la@rohde-schwarz.com
 - Asia Pacific | +65 65 13 04 88
 - customer.support.asia@rohde-schwarz.com
 - China | +86 800 810 82 28 | +86 400 650 58 96
 - customer.support.china@rohde-schwarz.com

