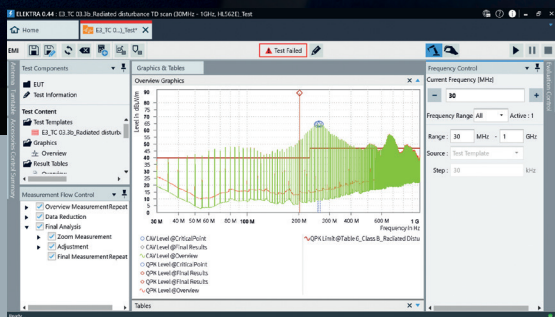# Bright solutions for EMC testing

R&S®ELEKTRA EMC test software

New automatic and interactive procedure for measuring electromagnetic disturbances

R&S®ELEKTRA EMS test software

ROHDE & SCHWARZ

To get even more insights, see all available R&S®ELEKTRA solutions.
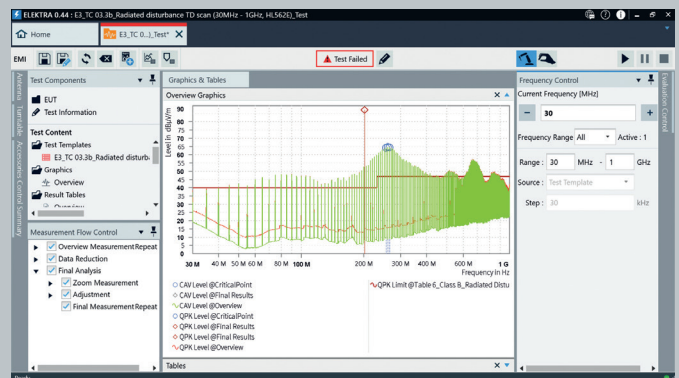
R&D related precompliant EMI solution

Easy-to-use software for EMI measurements performed during development with emission (EMI) measuring receivers and spectrum analyzers.

EMS certification solution

A complete solution that controls EMC systems and automates measurements for emission (EMI) and immunity (EMS) tests.

EMI pre-compliant test interface

EMC compliant test interface

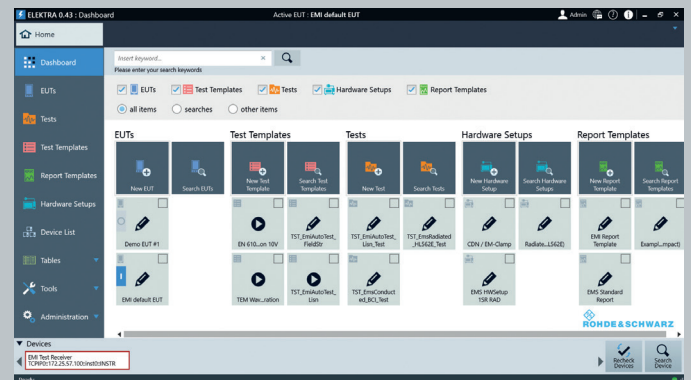# Peak performance and bright solutions that are reliable and easy to use

Rohde & Schwarz is the market leader in EMC T&M instrumentation and solution integration. With a strong presence in EMC labs worldwide and decades of field experience, we understand the trends and challenges in today's EMC testing. Our EMC test software R&S®ELEKTRA has been developed and improved for an optimized testing experience:

▮ Intuitive user interface
▮ Get started quickly
▮ Increase your test throughput

1

Intuitive user interface

The intuitive design of the sleek and modern user interface provides a convenient way to execute interactive and automatic EMC measurements. The dashboard with favorites of frequently used items, tagging, filtering and search functions as well as the all-in-one page interface concept enhance the usability of the R&S®ELEKTRA and allow users to easily manage the huge amount of data created during EMC testing.
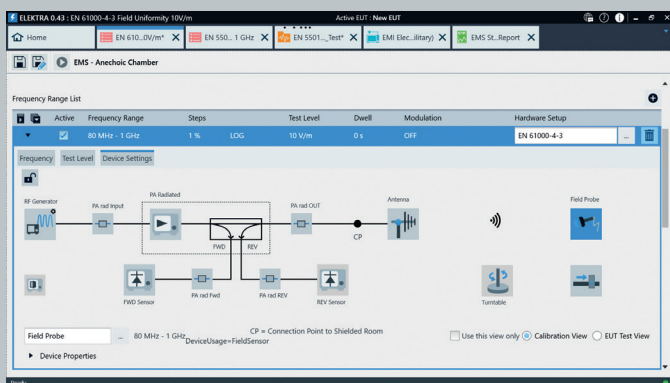

The R&S®ELEKTRA dashboard with multiple favorite items "pinned" for one-click access

2

Get started quickly

The usability of R&S®ELEKTRA has been improved with a large library of predefined test setups in line with common EMC standards. This allows simple configuration and a quick start into testing. The ability to create EUT test plans allows users to build and define EUT-specific tests and generate comprehensive reports in advance. The hardware setup process is shortened by automatically detecting the connected instruments available for testing.
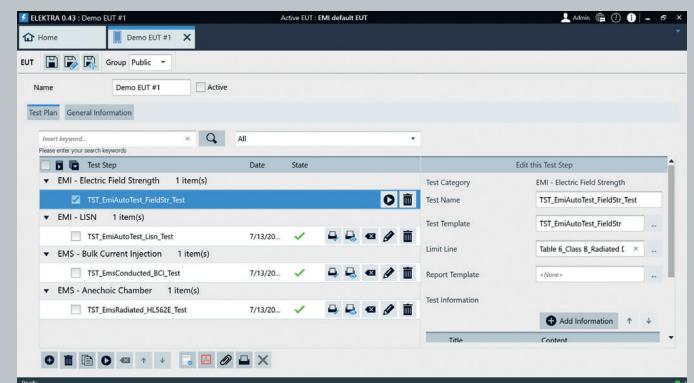

A pre-defined hardware setup for test according to EN 61000-4-3 standard.

3

Increase your test throughput

Automatic execution of tests in parallel with test preparation and report generation helps increase productivity and speed up testing. In addition, R&S®ELEKTRA boosts measurement speeds when used with modern receivers, fully capitalizing on their capabilities. R&S®ELEKTRA performs automated disturbance measurements with Rohde & Schwarz test receivers, such as the R&S®ESW and R&S®ESR, and Rohde & Schwarz signal and spectrum analyzers. Automatic analysis allows the user to easily analyze the results and take further steps.
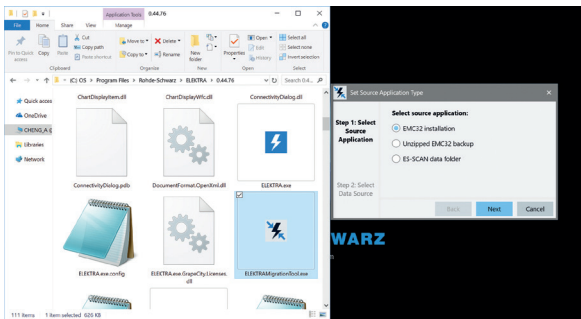

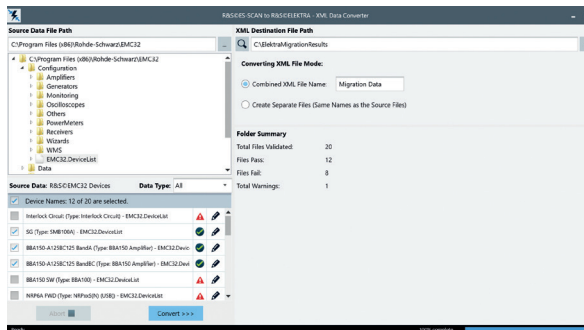EUT test plan consisting of different subtests

Migration features

The migration wizard helps R&S®EMC32 users seamlessly move their data to R&S®ELEKTRA. Using the library of supported instruments and the generic driver option, you can integrate a huge amount of existing equipment into the system. Integrated backup and restore functionality secures your data.

Migration Wizard startup page for testing data migration from R&S®EMC32 or R&S®ES-SCAN

R&S®EMC32 testing data migration process

In Addition to the bright sight:

The R&S®ELEKTRA EMC test software ensures swift and reliable measurement of electromagnetic disturbances during development and certification. It generates accurate results and in-depth analyses of emission (EMS) and immunity (EMI) measurements. R&S®ELEKTRA also reduces the time needed to create comprehensive reports.

北京海洋兴业科技股份有限公司（证券代码：839145）

北京市西三旗东黄平路19号龙旗广场4号楼（E座）906室　　邮编：100096

电话：010-62176775　62178811　62176785　　　　传真：010-62176619

企业QQ：800057747　维修QQ：508005118　　　　邮箱：market@oitek.com.cn

企业官网：www.hyxyyq.com　　　　　　　　　　　购线网：www.gooxian.com

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