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



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

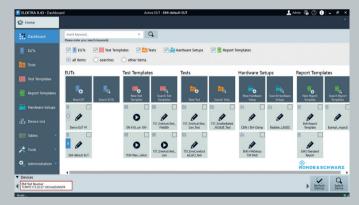
Peak performance and bright solutions that are reliable and easy to use

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
- I Get started quickly
- I Increase your test throughput

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" or one-click access

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.

Increase your test throughput

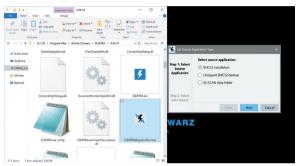
Automatic execution of tests in parallel with test preparation and report generation helps increase productivity and speed up testing. In addition, R&S®ELEKTRA boosts measurement speeds when used with modern receivers, fully capitalizing on their capabilities. R&S®ELEKTRA performs automated disturbance 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.

ELEKTRA 0.43 : Demo EUT #1	A	ctive EUT :	EMI def	ault E	υT				上 Admin 🌐 🕐 🚺 🗕
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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

5			85							
Source Data File Path				XML Destination File Path						
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Congrammer Mini (MA)/MAA-Schwarz/AMC/2 Configuration Configuration			•	Converting XXA, File Mode: © Combined XXA, File Name Migration Data O cente Separate Files Game Names at the Source Files						
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NRP6A PWD (Type: NRPod(N) (US8) - EMC32.DeviceList	A		+							
Abort Convert >>										

R&S®EMC32 testing data migration process

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.

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