Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

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Calibration

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Acquisition

Purchase
Lease
Rent

Solution Centre

Product Lifecycle Management System

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NATA   CERTIFIED MANAGEMENT SYSTEM   AIDN

R&S®ES-SCAN EMI Precompliance Software

User-friendly software for EMI measurements

◆ Menu-controlled configuration of test receiver and storage of settings on controller, including limit lines and transducer factors
◆ Reliable acquisition, evaluation, and documentation of measurement data
◆ For use with the R&S®ESPI3 and R&S®ESPI7 test receivers

◆ Graphical display of scan data with automatic data reduction
◆ Marker function, including "Marker to Peak" and "Tune Receiver to Marker Frequency"
◆ Automatic peak search with selectable acceptance limit and selectable subranges

◆ Editable frequency list for automatic or semi-automatic final measurements
◆ "Fine Tuning" function for fast detection of local maxima
◆ Flexible configuration of report generation for different report layouts

ROHDE&SCHWARZ

At a glance

R&S®ES-SCAN is a cost-efficient and user-friendly 32-bit Windows software application that has been specially developed for the R&S®ESPI3 und R&S®ESPI7 precompliance test receivers. The main requirements of EMI measurements in accordance with commercial standards have been combined in an easy-to-use application: measurement settings and storage, scan data acquisition and display with automatic data reduction, peak search with acceptance limit and selection of subranges, final measurement with worst-case selection, report generation, and measurement data storage.

R&S®ES-SCAN offers all the advantages of a state-of-the-art software tool, including operation via keyboard and mouse, table editor, configurable report generation, and printout of reports on any Windows printer. An assistant ("Help Side Bar") supports the user of the R&S®ES-SCAN EMI software at any stage of operation. Online help texts explain all software functions; an operating manual is therefore not required.

Measurement settings

◆ Definition of any number of limit lines that are stored on the controller
◆ Library of standard limit lines for commercial standards included
◆ Definition of any number of receiver settings that are stored on the controller
◆ Definition and storage of a peak list for final measurements
◆ Loading of the new settings into the R&S®ESPI test receiver

Scan mode and data acquisition

◆ Start, pause, and stop of the frequency scan by the controller
◆ "Marker to Peak" and "Tune Receiver to Marker Frequency" functions available for paused and completed frequency scan
◆ Continuation of a paused frequency scan with "Continue from Frequency" or "Continue from Pause"
◆ Zoom function after completion of frequency scan: zooming of the frequency axis for the detailed representation of a frequency subrange, centered to the marker position
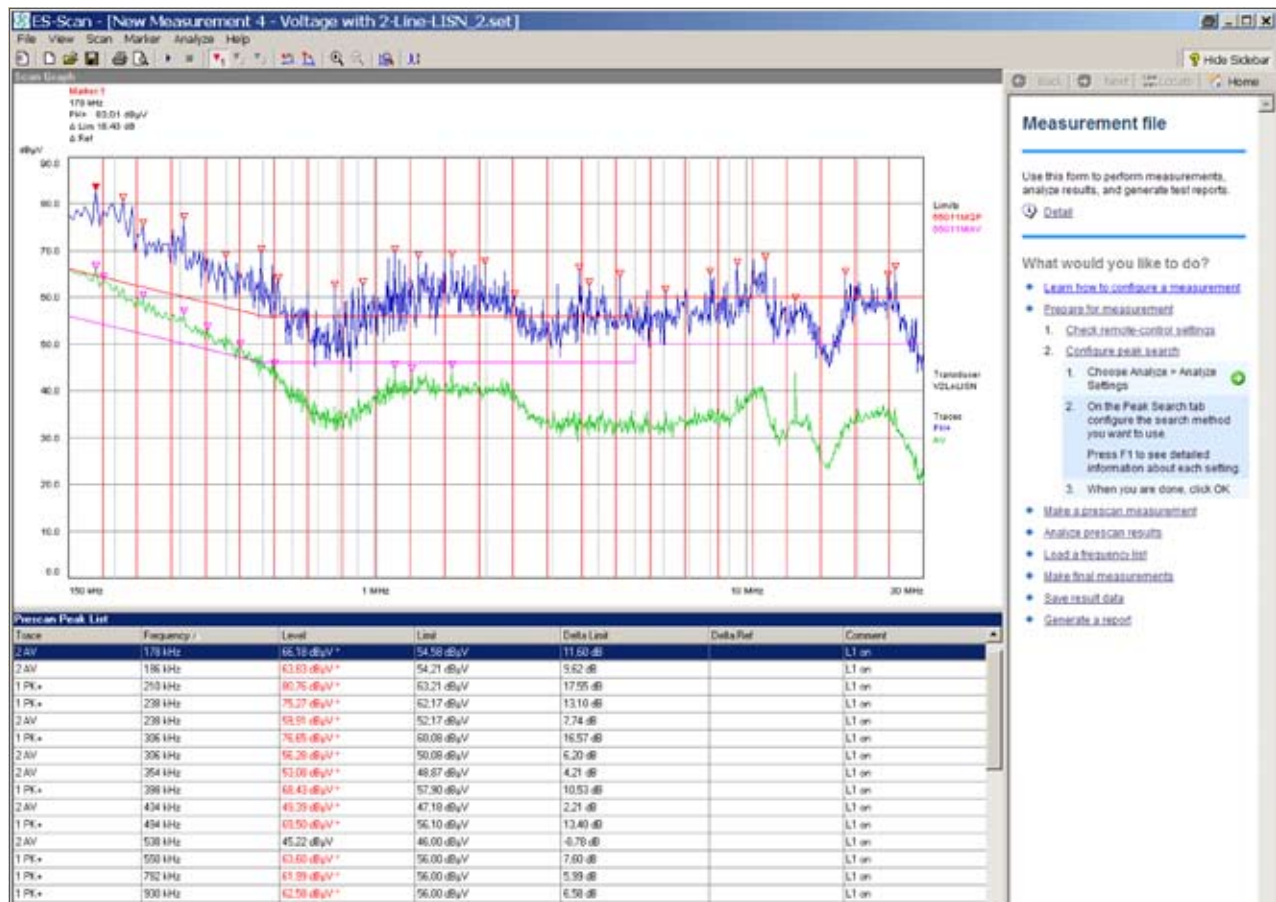
Prescan measurement (Pk and Avg) with determination of local maxima (here 25 subranges) for subsequent final measurement (QP and Avg)

Peak search function

◆ Automatic peak search with select-able acceptance limit and selectable number of frequency subranges or peak values
◆ Modification of peak list using "Add to Peak List" and "Delete from Peak List" functions
◆ Marking of peak list values in scan graphics and simultaneous display in tabular form

Final measurement (Final Measurement Wizard)

◆ The user can choose between two modes:
  – Fully automatic measurement: processing of peak list and auto-matic level measurement at every frequency by means of the detec-tors defined in the measurement setup
  – Semi-automatic measurement (user-assisted): like automatic mea-surement, but with "Fine Tuning" function activated for every peak list frequency in order to find local maxima
◆ "Fine Tuning" function: level display on screen with current and maximum level value, continuous update during receiver fine tuning by the user, and, if required, setting of DUT position
◆ Transfer of measurement results to peak list by mouse click and display on screen
◆ Storage of all measurement results on controller

Selection between fully automatic and semi-automatic measurement mode in the "Final Measure-ment Wizard"

*"Fine Tuning" function with additional "Maximum Hold" display*

Report

◆ Flexible report editor for different
report layouts
◆ Report preview on screen
◆ Printout on a Windows-compatible
printer

System requirements

◆ Windows XP SP2 operating system
◆ Administrator rights (for installation)
◆ PC with Pentium processor
(at least 600 MHz)
◆ 512 Mbyte RAM
◆ 20 Mbyte of available hard disk space
◆ Minimum screen resolution
640 × 480 pixels, 256 colors
◆ Ethernet connection for remote
control via LAN (R&S®FSP-B16
required) or
◆ IEC/IEEE bus card and VISA software
interface (from National Instruments)
◆ USB interface for hardlock copy
protection
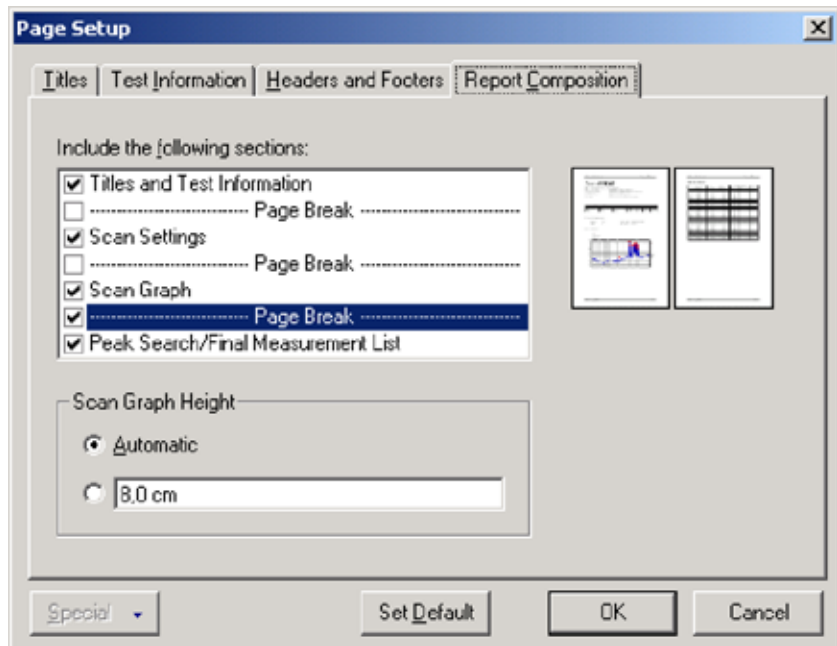
Definition of report layout
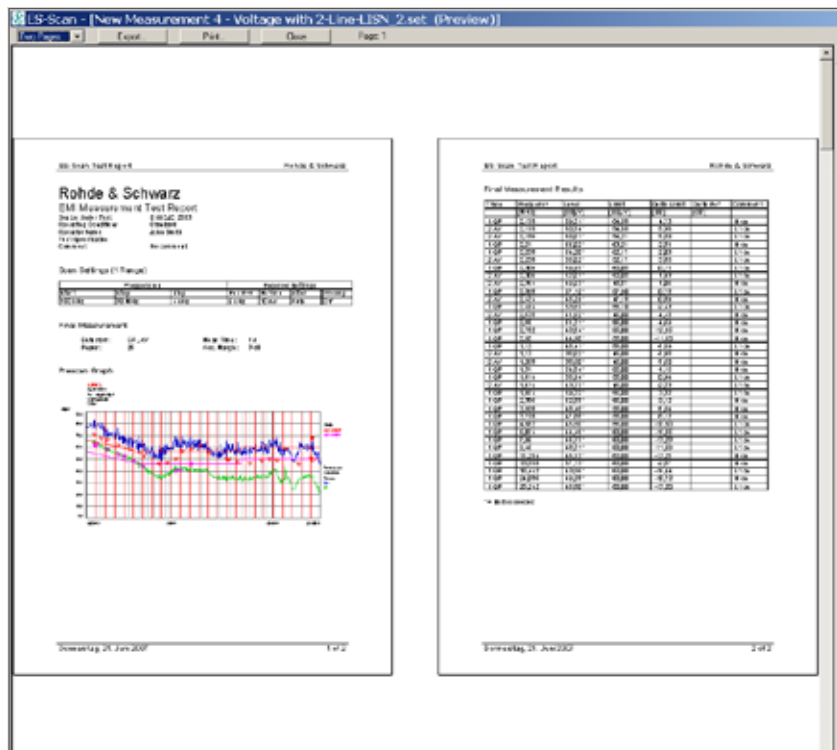
Preview function for test reports

Ordering information

Designation	Type	Order No.
EMI Precompliance Software for R&S®ESPI Test Receiver (with hardlock copy protection)	R&S®ES-SCAN	1308.9270.02

Certified Quality System
ISO 9001
DQS REG. NO 1954 QM

Certified Environmental System
ISO 14001
DQS REG. NO 1954 UM

More information at
www.rohde-schwarz.com
(search term: ES-SCAN)

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