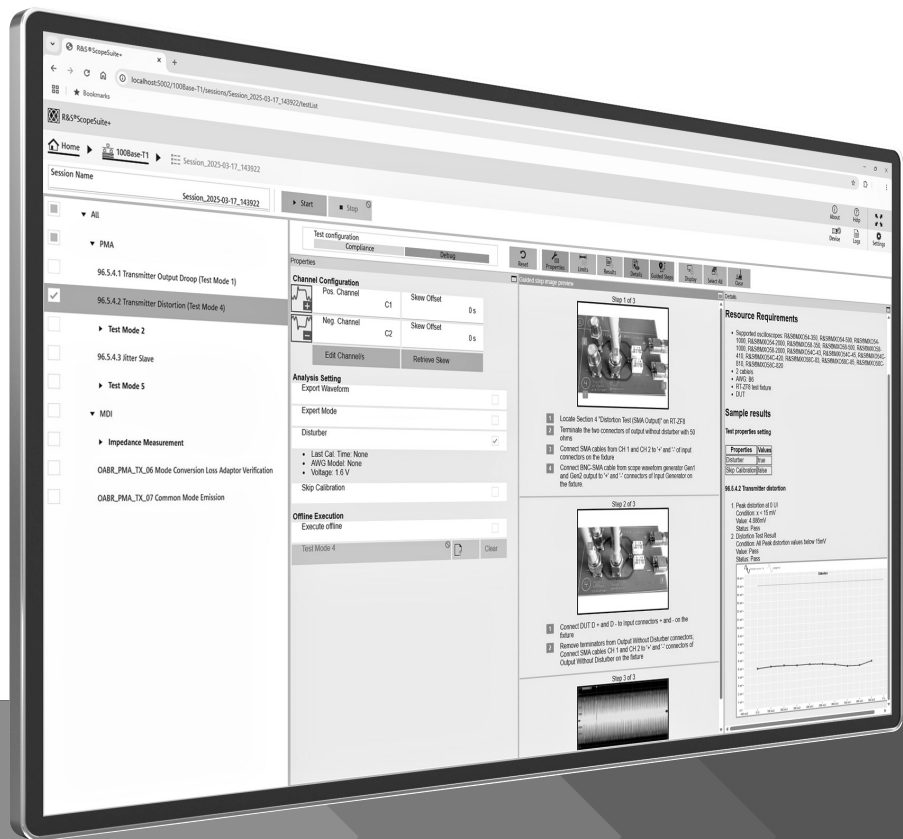


# R&S<sup>®</sup> ScopeSuite+ SOFTWARE

## Specifications



Specifications  
Version 02.00

**ROHDE & SCHWARZ**

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# Specifications

R&S®ScopeSuite+ software supports MXO 5 series oscilloscopes.

## Minimum system requirements for R&S®ScopeSuite+

### Running on a PC

Operating system		Windows 10, 64 bit; Windows 11, 64 bit
RAM		≥ 8 Gbyte
Disk space		≥ 5 Gbyte
Measuring instrument connection		LAN interface

## R&S®SPLUS BASE software for compliance test

Prerequisites		R&S®ScopeSuite+ base license and system requirements (see Minimum system requirements for R&S®ScopeSuite+)
<b>Software features</b>		
Measurement environment		automated compliance test for 100BASE-T1
User interface		dashboard view of all available standards
		settings panel to connect appropriate instruments
		easy access to the live screen of the connected oscilloscope
Logs		web access to log files that pertain to the software or per test case
Sessions		<ul style="list-style-type: none"> <li>• add or remove individual test sessions</li> <li>• search for particular test cases</li> <li>• add comments to individual test cases</li> </ul>
Reporting		test reports in PDF format
<b>Supported devices</b>		
Oscilloscopes		<ul style="list-style-type: none"> <li>• MXO 54 (1 GHz and above)</li> <li>• MXO 58 (1 GHz and above)</li> <li>• R&amp;S®MXO5C-4xx (1 GHz and above)</li> <li>• R&amp;S®MXO5C-8xx (1 GHz and above)</li> </ul>
Vector network analyzers		<ul style="list-style-type: none"> <li>• R&amp;S®ZND</li> <li>• R&amp;S®ZNB</li> </ul>
Arbitrary waveform generators		<ul style="list-style-type: none"> <li>• R&amp;S®MXO5-B6 option</li> <li>• R&amp;S®MXO5C-B6 option</li> </ul>

## Options

### R&S®SPLUS-K24 100BASE-T1 automotive Ethernet compliance test

This option performs 100BASE-T1 compliance test measurements with R&S®ScopeSuite+. The software supports the R&S®RT-ZF8 Ethernet compliance test fixtures. The chapters after the test cases refer to IEEE 802.3-2022 and OPEN Alliance ECU specification version 3.0.

Supported 100BASE-T1 compliance tests	
Standard reference	IEEE 802.3-2022 OPEN Alliance ECU specification 3.0
100BASE-T1	transmitter output droop (96.5.4.1) transmitter distortion with and without disturber (96.5.4.2) transmitter timing jitter master mode (96.5.4.3) transmitter timing jitter slave mode (96.5.4.3) transmitter power spectral density (96.5.4.4) transmitter clock frequency (96.5.4.5) transmitter peak differential output (96.5.6) MDI return loss (96.7.1.3) MDI mode conversion loss (96.8.2.2) MDI mode conversion loss adapter verification (OABR_PMA_TX_06) MDI common mode emission (OABR_PMA_TX_07)

### R&S®SPLUS-K89 10BASE-T1S automotive Ethernet compliance test

This option performs 10BASE-T1S compliance test measurements with R&S®ScopeSuite+. The software supports the R&S®RT-ZF8 and R&S®RT-ZF7A Ethernet compliance test fixtures. The chapters after the test cases refer to IEEE 802.3-2022 and Open Alliance 10BASE-T1S PMA Test Suite Draft v.1.0.

Supported 10BASE-T1S compliance tests	
Standard reference	IEEE 802.3-2022 Open Alliance 10BASE-T1S PMA Test Suite Draft v.1.0
10BASE-T1S	transmitter output voltage (147.5.4.1) transmitter output droop (147.5.4.2) transmitter timing jitter (147.5.4.3) transmitter power spectral density (147.5.4.4) rise and fall time for transmitter (6.3.2.2) transmitter high impedance mode (147.5.4.5)

## Ordering information

Designation	Type	Order No.
R&S®ScopeSuite+, base option	R&S®SPLUS	1804.8800.02
R&S®ScopeSuite+, 100BASE-T1 automotive Ethernet compliance test	R&S®SPLUS-K24	1804.8774.02
R&S®ScopeSuite+, 10BASE-T1S automotive Ethernet compliance test	R&S®SPLUS-K89	1804.8780.02

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**ISO 9001**

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