R&S®ScopeSuite
Release Notes
Software Version 3.6.0

The following abbreviations are used throughout this document:
R&S® ScopeSuite is abbreviated as R&S ScopeSuite.

ROHDE & SCHWARZ

Contents

1 Information on the Current Version and History

1.1 Version 3.6.0

New Functionality

1000BASE-T1:

- 97.5.3.3 Transmitter timing jitter master mode
- 97.5.3.3 Transmitter timing jitter slave mode
- 97.5.3.3 Transmitter timing MDI jitter
- 97.5.3.6 Transmitter clock frequency
- 97.5.3.2 Transmitter distortion
- 97.5.3.4 Transmitter Power Spectral Density (PSD)
- 97.5.3.4 Transmitter power level
- 97.5.3.5 Transmitter peak differential output
- 97.5.3.1 Maximum Output Droop
- 97.7.2.1 MDI return loss
- 97.7.2.2 MDI mode conversion loss

PCIe 1.x:

Signal Quality (4.3.3)

- Mean unit interval
- Data rate
- Template tests
- Min eye width
- Median to max jitter
- Differential output voltage

Reference Clock (1.32)

- Differential input High Voltage
- Differential input Low Voltage
- Duty Cycle
- Average Clock Period
- Rising edge rate
- Falling edge rate
- Mean unit interval

PCIe 2.0

Signal Quality (4.3.3)

- Data rate
- Template tests
- Min eye width

- Median to max jitter
- Differential output voltage

ScopeSuite

- Support for B6 Waveform generator
- Support for 6GHz RTO

Tested Firmware

- This ScopeSuite Version is tested against the RTO Firmware Version 3.50.3.1

Improvements

MIPI D-PHY

- Fixing chart plotting problems for group 3 and 4.

TenBaseT

- MAU template trigger improved
- Link Test Pulse and TP_IDL work on a 600MHz scope

Known Issues

100BASE-T1

- Saved waveform for debugging are saved in the session that are in the hidden folder ProgramData.

Ethernet

- Jitter master/slave mode filtered with TX_TCLK will not work on RTO 10x2 without a memory extension.

Report

- HTML report has multiple headers and footers.

ScopeSuite

- Accessing Reports/Sessions from versions before 3.0.0 (see 3.1.5)
- Sometimes test execution may result in an error when downloading screenshot image from the instrument. Please refer to section 3.1.6 on how to recovery from this error.

1.2 Version 3.4.0

New Functionality

EEE

1000BASE-T EEE:

- Quiet Time (78.2)
- Refresh Time (Master) (78.2)
- Refresh Time (Slave) (78.2)
- Wake State Levels (40.6.1.2.7)
- Transmitter Timing Jitter With TX_TCLK (Master) (40.6.1.2.5)
- Transmitter Timing Jitter With TX_TCLK (Slave) (40.6.1.2.5)
- Transmitter Timing Jitter Without TX_TCLK (Master) (40.6.1.2.5)
- Transmitter Timing Jitter Without TX_TCLK (Slave) (40.6.1.2.5)

100BASE-TX EEE (24.2.3.4 and 78.2):

- Sleep Time
- LPI Quiet Time
- LPI Refresh Time
- LPI Transmitter Timing JItter
- Transmit Wake Time

10BASE-Te

- All test cases like 10BASE-T.

100BASE-T1/BroadR-Reach

- Renamed to 100BASE-T1 compliance test.
- Removed support for BroadR-Reach before version 3.2 .
- Allow user to select channel for testing.
- Support Single Ended input like SMA cables for measurements.
- Return loss calibration with RT-ZF2 is optional.
- Support of IEEE 802.3bw limits and corresponding IOL test procedures.
- Added new test case: Peak differential output
- Allow user to export waveforms for offline analysis and debugging purposes.
- Transmitter distortion: Disallow user to test with TX_TCLX if B4 option (OCXO) option is not installed.
- Optimal auto scaling for all test cases.

2.5/5GBASE-T

- Support HD mode for jitter master and slave test.

10GBASE-T

- Support HD mode for jitter master and slave test.

Ethernet

- 100BASE-TX Amplitude Domain Tests: Overshoot calculation is corrected.

MIPI D-PHY

- Enhanced group 2 trigger for ULPS exit.

USB

- Disallow the use of differential probe (except modular probe) for droop test.
- Disallow user to select R&S or Allion test fixture if USB-IF test fixture is selected

ScopeSuite

- Support for module probes.

Tested Firmware

- This ScopeSuite Version is tested against the RTO Firmware Version 3.40.1.2

Known Issues

BroadR-Reach

- Older sessions cannot be continued. Please create a new session for 100BASE-T1
- Saved waveform for debugging are saved in the session that are in the hidden folder ProgramData.

Ethernet

- Jitter master/slave mode filtered with TX_TCLK will not work on RTO 10x2 without a memory extension.

Report

- HTML report has multiple headers and footers.

ScopeSuite

- Accessing Reports/Sessions from versions before 3.0.0 (see 3.1.5)

1.3 Version 3.2.1

New Functionality

Demo

- eMMC HS400 Demo report.

D-PHY

- Support long and continuous data burst.

eMMC

- Allow user to adjust CLK trigger level.
- Support HS200 CLK for power save mode.

Improvements

BroadR-Reach

- Transmitter jitter is using right resolution.

ScopeSuite

- Undesired labels seen when running template tests are removed.

Tested Firmware

- This ScopeSuite Version is tested against the RTO Firmware Version 3.30.1.1.

Known Issues

Ethernet

- Jitter master/slave mode filtered with TX_TCLK will not work on RTO 10x2 without a memory extension.

Report

- HTML report has multiple headers and footers.

ScopeSuite

- Accessing Reports/Sessions from versions before 3.0.0 (see 3.1.5)

1.4 Version 3.2.0

New Functionality

BroadR-Reach

- Support of common mode conversion loss test case.
- Support of common mode conversion loss adaptor verification.
- Support of common mode emission test case.

2.5/5GBASE-T Ethernet

- Maximum Output Droop
- Non-linear Distortion
- Jitter Master Mode and Clock Frequency
- Jitter Slave Mode
- Power Spectral Density and Power Level
- MDI Return Loss
- 2.5G only Non-linear Distortion with Disturber

Demo

- Supporting Demo Sessions for eMMC/HS400, Ethernet 100BASE-T, BroadR-Reach.

eMMC

- Support of transparent gates for better visibility of measurements.

USB

- Support of Allion test fixture for embedded host.

ScopeSuite

- Support of Windows 8 and 10.
- Folder to save reports can be chosen and accessed more easily.

Improvements

BroadR-Reach

- Transmitter distortion test with TX_TCLK is only allowed if B4 OCXO option is installed.

Ethernet

- Return Loss. IF VNA is not connected Exception is handled properly.

USB

- Fixed high speed signal quality test which intermittently fails with "Indeterminable" even though a valid signal is provided.
- Fixed chirp timing test which fails on some test bed computers

Tested Firmware

- This ScopeSuite Version is tested against the RTO Firmware Version 3.30.1.1.

Known Issues

Report

- HTML report has multiple headers and footers.

R&S ScopeSuite

- Accessing Reports/Sessions from versions before 3.0.0 (see 3.1.5)

1.5 Version 3.0.4

New Functionality

Ethernet

- Support of new Version of RT-ZF2.

D-PHY

- Support continuous data for group 3.

Improvements

Ethernet

- Status of test is displayed correctly.
- Transmitter distortion will not fail when AverageCount is set to > 20.

Scope Suite

- Proper error handling when no Visa is present.

USB

- USBET.dll is loaded correctly on RTO1XXX machines.
- Device packet parameter: Loosen trigger criteria

Tested Firmware

- This ScopeSuite Version is tested against the RTO1000 Firmware Version 3.0.1.1 and the RTO2000 Firmware Version 3.20.1.0 .

Known Issues

Report

- HTML report has multiple headers and footers.

R&S ScopeSuite

- R&S ScopeSuite works only with Windows 7. Windows 8/10 is not supported
- Accessing Reports/Sessions from versions before 3.0.0 (see 3.1.5)

1.6 Version 3.0.2

New Functionality

BroadR-Reach

- If HD mode is available enhanced accuracy is used.
- Support for jitter slave and transmitter distortion test case without TX_TCLK.

Demo

- Demo test cases are available.

eMMC

- HS200 Bus signal level tests
- HS200 Interface timing tests
- HS400 Bus signal level tests
- HS400 Interface timing tests

Ethernet

- 100BASE-TX: If HD Mode is available enhanced accuracy is used.

ScopeSuite

- New Workflow and UI
- Matlab runtime is not needed anymore.

Improvements

Ethernet

- Transmitter distortion: Fixed erroneous pop-up of no signal when signal is there.

D-PHY

- Group5: Fixed skew calculation

Tested Firmware

This ScopeSuite Version is tested against the RTO1000 Firmware Version 3.0.1.1 and the RTO2000 Firmware Version 3.20.1.0 .

Known Issues

Report

- HTML report has multiple headers and footers.

ScopeSuite

- ScopeSuite works only with Windows 7. Windows 8/10 is not supported
- Accessing Reports/Sessions from versions before 3.0.0 (see 3.1.5)

1.7 Version 2.4.6

New Functionality

BroadR-Reach

- Distortion test doesn't need MCR anymore.

D-PHY

- Support for three probes setup.

Ethernet

- New test for 1000BASE-T Jitter Slavemode without TX_TCLK
- New jitter charts and Jitter histograms for 1000BASE-T Jitter Slavemode without TX_TCLK and for Jitter Master without TX_TCLK in the Report.
- Return loss tests now have a step for user to verify waveform on RTO before feeding waveform to VNA.

ScopeSuite

- Support for Tabor WX2182C.
- Support for current probe RT-ZC20B and RT-ZC10B.
- Support for restoring original settings upon exit of application if needed.

USB

- Full Speed and Low Speed Signal Quality tests will now show split screen for two channels.

Improvements

Ethernet

- Guided step numbers corrected when multiple pairs being tested.

USB

- The report will now show the port under test for down stream full speed test.
- Scrambled measurements in Packet Parameters & Test_J/K/SE0_NAK test report fixed.
- Packet Parameters & Suspend/Resume/Reset timing tests improved. Guided steps improved for back voltage tests.
- Measurment limits for Test_J/K/SE0_NAK test improved.
- Full Speed and Low Speed Signal Quality tests improved to use full vertical scale of the scope.
- Fixed Device and Host J/K/SE0_NAK tests exiting prematurely
- when probes are not connected.

Tested Firmware

This ScopeSuite Version is tested against the RTO Firmware Version 2.60.2.8

Known Issues

ScopeSuite

- ScopeSuite works only with Windows 7. Windows 8 is not supported

Report

- HTML report has multiple headers and footers.

1.8 Version 2.4.4

New Functionality

BroadR-Reach

- Support Specification 3.2. .

ScopeSuite

- Support of ZNC and ZND.

USB

- Cascaded hubs are supported.

Improvements

BroadR-Reach

- Corrected guided steps.
- Transmitter clock frequency calculation method changed.
- Disturber Signal corrected to the right level.

D-PHY

- Some HS entry and exit limits corrected.

ScopeSuite

- Optimized scale for several waveform aquisitions.
- Microsoft Word Report supports links in Table of Contents

USB

- Hub Ports over 10 are sorted numerically in the report.

10GBASE-T

- Transmitter clock frequency calculation method changed.
- Jitter measurements calculation method changed.

Known Issues

ScopeSuite

- ScopeSuite works only with Windows 7. Windows 8 is not supported

Report

- HTML report has multiple headers and footers.

1.9　Version 2.4.2

Improvements

D-PHY

- Save set doesn't cause problem anymore for Group 3,4,5
- Option is recognized properly

Ethernet

- 1000BASE-T PeakVoltage: Averaging is working correct
- 10BASE-T MAU template: External MAU template test uses right template

1.10　Version 2.4.0

New Functionality

D-PHY

Supported D-PHY test cases

> **Group 1** (7 tests): **Data Lane LP-TX Signaling Requirements**
> 1.1.1 – Data Lane LP-TX Thevenin Output High Level Voltage (V_{OH})
> 1.1.2 – Data Lane LP-TX Thevenin Output Low Level Voltage (V_{OL})
> 1.1.3 – Data Lane LP-TX 15%-85% Rise Time (T_{RLP})
> 1.1.4 – Data Lane LP-TX 85%-15% Fall Time (T_{FLP})
> 1.1.5 – Data Lane LP-TX Slew Rate vs. C_{LOAD} ($\delta V/\delta t_{SR}$)
> 1.1.6 – Data Lane LP-TX Pulse Width of Exclusive-OR Clock ($T_{LP-PULSE-TX}$)
> 1.1.7 – Data Lane LP-TX Period of Exclusive-OR Clock ($T_{LP-PER-TX}$)
> **Group 2** (5 tests): **Clock Lane LP-TX Signaling Requirements**
> 1.2.1 – Clock Lane LP-TX Thevenin Output High Level Voltage (V_{OH})
> 1.2.2 – Clock Lane LP-TX Thevenin Output Low Level Voltage (V_{OL})
> 1.2.3 – Clock Lane LP-TX 15%-85% Rise Time (T_{RLP})
> 1.2.4 – Clock Lane LP-TX 85%-15% Fall Time (T_{FLP})
> 1.2.5 – Clock Lane LP-TX Slew Rate vs. C_{LOAD} ($\delta V/\delta t_{SR}$)
> **Group 3** (16 tests): **Data Lane HS-TX Signaling Requirements**
> 1.3.1 – Data Lane HS Entry: Data Lane T_{LPX} Value
> 1.3.2 – Data Lane HS Entry: Data Lane $T_{HS-PREPARE}$ Value
> 1.3.3 – Data Lane HS Entry: Data Lane $T_{HS-PREPARE} + T_{HS-ZERO}$ Value
> 1.3.4 – Data Lane HS-TX Differential Voltages $V_{OD(0)}$ and $V_{OD(1)}$
> 1.3.5 – Data Lane HS-TX Differential Voltage Mismatch ΔV_{OD}
> 1.3.6 – Data Lane HS-TX Single-Ended Output Voltages $V_{OHHS(DP)}$ and $V_{OHHS(DN)}$
> 1.3.7 – Data Lane HS-TX Static Common-Mode Voltages $V_{CMTX(1)}$ and $V_{CMTX(0)}$
> 1.3.8 – Data Lane HS-TX Static Common-Mode Voltage Mismatch $\Delta V_{CMTX(1,0)}$
> 1.3.9 – Data Lane HS-TX Dynamic Common-Level Variations Between 50-450 MHz $\Delta V_{CMTX(LF)}$
> 1.3.10 – Data Lane HS-TX Dynamic Common-Level Variations Above 450 MHz $\Delta V_{CMTX(HF)}$
> 1.3.11 – Data Lane HS-TX 20%-80% Rise Time t_R
> 1.3.12 – Data Lane HS-TX 80%-20% Fall Time t_F
> 1.3.13 – Data Lane HS Exit: $T_{HS-TRAIL}$ Value
> 1.3.14 – Data Lane HS Exit: 30%-85% Post-EoT Rise Time T_{REOT}
> 1.3.15 – Data Lane HS Exit: T_{EOT} Value
> 1.3.16 – Data Lane HS Exit: $T_{HS-EXIT}$ Value
> **Group 4** (18 tests): **Clock Lane HS-TX Signaling Requirements**
> 1.4.1 – Clock Lane HS Entry: T_{LPX} Value
> 1.4.2 – Clock Lane HS Entry: $T_{CLK-PREPARE}$ Value
> 1.4.3 – Clock Lane HS Entry: $T_{CLK-PREPARE} + T_{CLK-ZERO}$ Value
> 1.4.4 – Clock Lane HS-TX Differential Voltages $V_{OD(0)}$ and $V_{OD(1)}$
> 1.4.5 – Clock Lane HS-TX Differential Voltage Mismatch ΔV_{OD}
> 1.4.6 – Clock Lane HS-TX Single-Ended Output Voltages $V_{OHHS(DP)}$ and $V_{OHHS(DN)}$
> 1.4.7 – Clock Lane HS-TX Static Common-Mode Voltages $V_{CMTX(1)}$ and $V_{CMTX(0)}$
> 1.4.8 – Clock Lane HS-TX Static Common-Mode Voltage Mismatch $\Delta V_{CMTX(1,0)}$

1.4.9 – Clock Lane HS-TX Dynamic Common-Level Variations Between 50-450 MHz $\Delta V_{CMTX(LF)}$

1.4.10 – Clock Lane HS-TX Dynamic Common-Level Variations Above 450 MHz $\Delta V_{CMTX(HF)}$

1.4.11 – Clock Lane HS-TX 20%-80% Rise Time t_R

1.4.12 – Clock Lane HS-TX 80%-20% Fall Time t_F

1.4.13 – Clock Lane HS Exit: $T_{CLK-TRAIL}$ Value

1.4.14 – Clock Lane HS Exit: 30%-85% Post-EoT Rise Time T_{REOT}

1.4.15 – Clock Lane HS Exit: T_{EOT} Value

1.4.16 – Clock Lane HS Exit: $T_{HS-EXIT}$ Value

1.4.17 – Clock Lane HS Clock Instantaneous: UI_{INST} Value

1.4.18 – Clock Lane HS Clock Delta UI: (ΔUI) Value

Group 5 (4 tests): **HS-TX Clock-to-Data Lane Timing Requirements**

1.5.1 – HS Entry: $T_{CLK-PRE}$ Value

1.5.2 – HS Exit: $T_{CLK-POST}$ Value

1.5.3 – HS Clock Rising Edge Alignment to First Payload Bit

1.5.4 – Data-to-Clock Skew ($T_{SKEW[TX]}$)

Improvements

BroadR-Reach

- Calibration.xml is added in the installer
- Power Spectra Density: Does work with RTO firmware 2.30
- Transmitter Distortion: Peak distortion has to be > 15 mV for all values
- Return Loss: corrected typo error in step-by-step guide
- More meaningful error message when no signal is detected

Ethernet

- 1000BASE-T Differential Output Voltage: Does work with RTO firmware 2.30
- 1000BASE-T Transmitter Distortion: No Out of system memory error when 4 pairs are selected
- 100BASE-TX Rise and fall times: calculated correctly
- 1000BASE-T Common Mode Output Voltage: Gives warning if no probe is connected
- 10BASE-T Output Timing Jitter: Does work well with RTO firmware 2.30

USB

- USB2.0 Host: Support embedded host and test fixture from Testronic Labs
- USB2.0 Hub Upstream Repeater: Does work with RTO firmware 2.30
- USB legacy Back Voltage: Test fails when back voltage is less than -0.4 V

Known Issues

ScopeSuite

- ScopeSuite works only with Windows 7. Windows 8 is not supported

Report

- Microsoft Word report does not have hyperlinks.

- HTML report has multiple headers and footers.

1.11 Version 2.2.0

New Functionality

BroadR-Reach

Supported BroadR-Reach test cases

- Transmitter Output Droop
- Transmitter Distortion
- Transmitter Timing Jitter (Master and Slave)
- Transmitter Power Spectral Density
- Transmitter Clock Frequency
- MDI Return Loss

ScopeSuite

- Link from details section to test summary in the report
- VXI11 connection for Hameg signal generator

Modified Functionality

ScopeSuite

- Changed Microsoft style message box to customized style

Improvements

USB

- USB back voltage step-by-step guide is corrected for full speed device
- USB 2.0 receiver sensitivity triggers for devices with low sensitivity level

ScopeSuite

- Session with a '/' in its name do work now

Known Issues

ScopeSuite

- ScopeSuite works only with Windows 7. Windows 8 is not supported

Report

- Microsoft Word report does not have hyperlinks.
- HTML report has multiple headers and footers.

1.12 Version 2.1.2

New Functionality

Modified Functionality

Improvements

Ethernet

- Tabor Generator is supported correctly again
- Fix for "Date" field in the report is blank for Ethernet.
- Fix for "Test fixture" field in the report is blank in Ethernet.

USB

- Report shows differences between Device, Host and Hub in the Header
- Device Type and Power Type are shown both in the report

Report

- Microsoft word report does not contain pass/fail icon defect is fixed

Known Issues

ScopeSuite

- ScopeSuite works only with Windows 7. Windows 8 is not supported

Report

- Microsoft word report does not have hyperlinks.
- HTML report has multiple headers and footers.

1.13 Version 2.1.1

New Functionality

USB

- USB 2.0 hub downstream jitter test supports USB-IF test fixture

Modified Functionality

Improvements

Ethernet

- 1000 and 10G Jitter tests were improved.
- Reorder 10GBASE-T test sequence to minimize changing of test mode waveform
- Fixed incorrect step numbering in 1000BASE-T Transmitter Distortion test

ScopeSuite

- Works with the latest RTO Firmware 2.15.2

- Latest report or session appear on top of the list in report and session management
- Limit Editor: Negative values for frequencies are not allowed.

Known Issues

ScopeSuite

- ScopeSuite works only with Windows 7. Windows 8 is not supported

Report

- Microsoft word report does not have pass/fail icon and hyperlinks.
- HTML report has multiple headers and footers.

1.14 Version 2.1.0

New Functionality

Ethernet

- Support of 10GBASE-T Compliance test cases.
- 10-1000BASE-T configuration is more clearly arranged.

USB

- Support of low speed signal quality test for device.
- Support of high speed chirp timing test for hub downstream.

ScopeSuite

- User configurable left logo in the header.

Reporting

- Support of Microsoft word report. RTF report no longer supported.
- Provide hyperlinks from test summary to test detail sections.
- Failed measurements are highlighted in red.

Modified Functionality

Improvements

USB

- Upstream Test_J/K/SEO_NAK: Remove unnecessary steps to "Return to Main" on USB HSETT tool from the step-by-step guide.
- Instruct user, in the step-by-step guide, to power cycle the DUT in order to reset it, if it is a self-powered device

Ethernet

- 1000BASE-T peak output voltage with disturber, transmitter distortion and jitter tests yield more accurate results.

ScopeSuite

- Faster start up time.
- Prevent instrument information go out of sync when IP address is changed.

Known Issues

ScopeSuite

- ScopeSuite works only with Windows 7. Windows 8 is not supported

Report

- Microsoft word report does not have pass/fail icon and hyperlinks.
- HTML report has multiple headers and footers.

1.15 Version 2.0.0

New Functionality

Ethernet

- Support of 10 BaseT Compliance test cases
- Support of 100 BaseTX Compliance test cases
- Support of 1000 BaseT Compliance test cases

USB

- Support USB-IF High Speed Signal Quality test fixture.
- Support digital multimeter measurements for USB Test_J/K/SEO_NAK and drop tests.

Modified Functionality

Improvements

- Support USBET20 version 1.18.00
- Use the widest pulse when determining EOP field in USB2.0 packet.
- Improve USB Receiver Sensitivity accuracy.
- Fix measurement bug in USB Hub Repeater test.
- Installation can be run without admin rights

Known Issues

1000BaseT

- 1000BaseT Transmitter distortion test results sometimes show higher values than expected with certain DUTs.
- Peak output voltage test with disturbing signal may sometimes yield different test results if the test waveform voltages at measured points vary significantly.

1.16 Version 1.3.2

New Functionality

Modified Functionality

Improvements

- Added merge modules to support DLL build with VS2010
- Using TestCenter 2.1.10.12

Known Issues

1.17 Version 1.3.1

New Functionality

Modified Functionality

Improvements

- Support RTO Firmware 1.47 and 1.50
- correct Start Menu Folder

Known Issues

2 Modifications to the Documentation

The current documentation is up-to-date.

Version 1.0	26.06.2013
Version 2.0	30.09.2013
Version 3.0	17.01.2014
Version 4.0	02.05.2014
Version 5.0	05.06.2014
Version 6.0	20.10.2014
Version 7.0	15.12.2014
Version 8.0	19.03.2015
Version 9.0	03.08.2015
Version 10.0	11.02.2016
Version 11.0	25.04.2016
Version 12.0	17.06.2016
Version 13.0	26.07.2016
Version 14.0	20.12.2016
Version 15.0	03.03.2016

3 Software Update

3.1 Update Information

3.1.1 Requirements

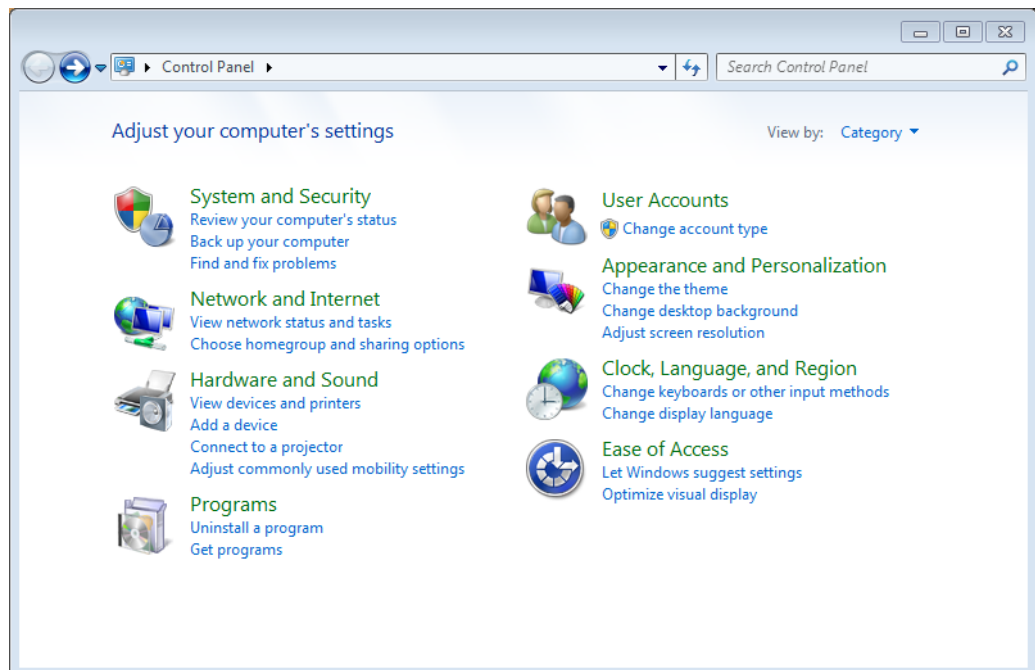R&S ScopeSuite can be installed on Windows 7,8 and 10 systems.

You need a VISA installed. The system is tested against R&S VISA 5.5.4 and we recommend to use this or a higher version.
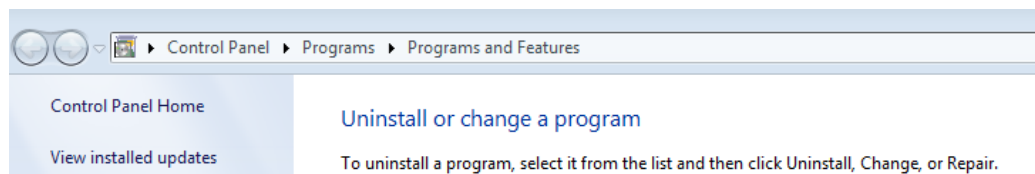
www.rohde-schwarz.com/rsvisa

3.1.2 Uninstall old Versions

It is recommended to remove older versions manually before starting installation.

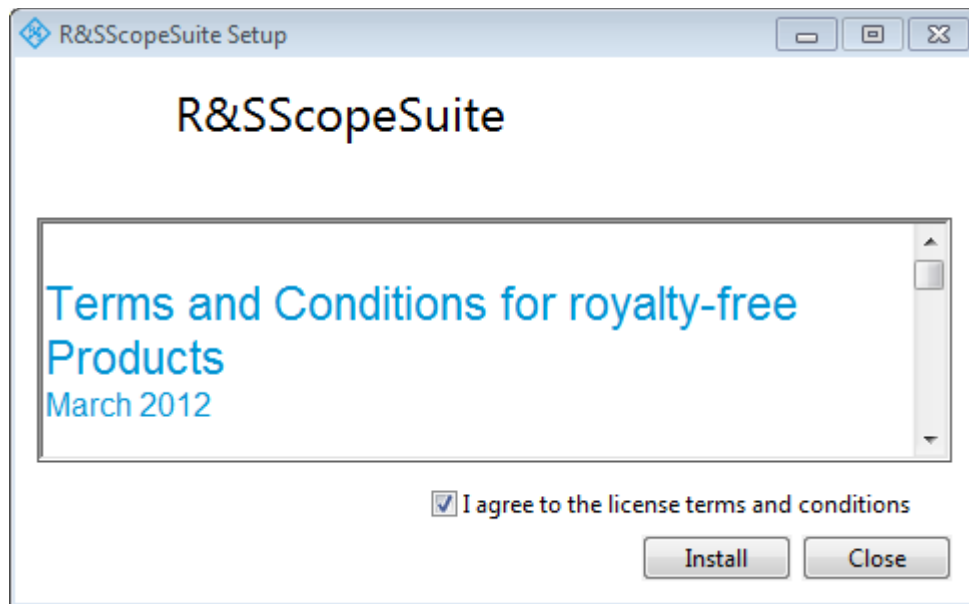Open Control Panel

Choose Uninstall a program

Select R&S ScopeSuite and uninstall it.

3.1.3 Install R&S ScopeSuite

The installation of the R&S ScopeSuite, is started by executing the file "RSScopeSuiteSetup.exe".

An Install wizard like this starts and follow the instructions.

You can install R&S ScopeSuite on Windows 7

When you install R&S ScopeSuite on a RTO please reboot the RTO after installation.

3.1.4 Log files

In case you encounter problems it is helpful to supply us log files and send along a waveform from the scope when the problem occurred.

The log files can be found here:

    <My Documents folder>\Rohde-Schwarz\RSScopeSuite\3.0\Logs

3.1.5 Accessing old Reports

With R&S ScopeSuite 3.0.0 and above you cannot access the reports from earlier versions out of the ScopeSuite anymore.

When you created reports we recommend to access reports directly in the session folder:

C:\ProgramData\Rohde-Schwarz\RSScopeSuite\Session

C:\ProgramData is a hidden folder, so you might have to adjust your visibility settings for the file explorer.

In the case you have not created the Reports you have to uninstall the ScopeSuite 3.0.0 and above and reinstall the old ScopeSuite version and create the report from the Report Management. When going back to ScopeSuite 3.0.0 and above remove the old ScopeSuite Version and please make sure to remove the following folder before installation ScopeSuite 3.0.0 and above.

C:\ProgramData\Rohde-Schwarz\ScopeSuiteServer

You cannot run two ScopeSuite versions in parallel.

3.1.6 Error Recovery

- Check RTO firmware version. Confirm that it is the same as the version stated in "Tested Firmware".
- Check for loose connection. Make sure the probe is connected to the test point firmly.
- Check if the DUT is in the correct test mode.
- If problem persists, soft reboot the instrument. Select "File" (bottom left) followed by "Exit". Launch the application from the desktop ("RTx" for oscilloscope and "Vector Network Analyzer" for VNA).
- If problem still persists, hard reboot the instrument by switching it off and on again.

4 Customer Support

Technical support – where and when you need it

For quick, expert help with any Rohde & Schwarz equipment, contact one of our Customer Support Centers. A team of highly qualified engineers provides telephone support and will work with you to find a solution to your query on any aspect of the operation, programming or applications of Rohde & Schwarz equipment.

Up-to-date information and upgrades

To keep your instrument up-to-date and to be informed about new application notes related to your instrument, please send an e-mail to the Customer Support Center stating your instrument and your wish. We will take care that you will get the right information.

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