

R&S® Power Viewer

PC Software

Release Notes

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The software makes use of several valuable open source software packages. For information, see the "Open Source Acknowledgment" provided with the product. The following abbreviations are used throughout this document: R&S® Power Viewer is abbreviated as R&S Power Viewer.

PAD-T-M: 3575_4620.02/02/RL/1/EN



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1 Information on the Current Version and History

1.1 Version 13.24.02

Released: April 2024

Functional improvements:

- Added Support for RP140TWG(N)

1.2 Version 13.3

Released: January 2024

Functional improvements:

- Added Support for NRP75TWG(N), NRP90TWG(N), NRP110TWG(N), NRP170TWG(N), NRP8E, NRP18E
- Windows: If R&S VISA is used for device communication, at least R&S VISA v7.2 is necessary. At the time of this writing, the mentioned R&S VISA was not released yet. A beta package can be found here:
<https://sft.rohde-schwarz.com/?u=XdXE2yaC6&p=t6gHrqVcZ&path=/SetupRsVisa7.2.1.exe>
- Windows: Power Viewer is supported on Windows 10/64-bit and Windows 11/64-bit. There is no 32-bit version anymore

1.3 Version 13.2

Released: August 2023

Functional improvements:

- Added Support for NRP75TWG(N), NRP90TWG(N), NRP110TWG(N), NRP170TWG(N), NRP8E, NRP18E
- Added 'Droop' display in NRPxxP automatic pulse measurements
- Windows: If R&S VISA is used for device communication, at least R&S VISA v7.2 is necessary. At the time of this writing, the mentioned R&S VISA was not released yet. A beta package can be found here:
<https://sft.rohde-schwarz.com/?u=XdXE2yaC6&p=t6gHrqVcZ&path=/SetupRsVisa7.2.1.exe>
- Windows: Power Viewer is supported on Windows 10/64-bit and Windows 11/64-bit. There is no 32-bit version anymore

Issues eliminated:

- Fixed Timeslot mode for NRPxxP
- Fixed selection of Peak measurand in Trace mode for NRPxxP

1.4 Version 13.1

Released: June 2023

Functional improvements:

- Added support for NRP90S, NRP90SN, NRP18P, NRP40P, NRP50P
- macOS: added support for Apple Silicon/M1/M2
- macOS: distribution package deploys Universal Binaries (arm64, x86_64)
- macOS: at least macOS Monterey required
- Windows: If R&S VISA is used for device communication, at least R&S VISA v7.2.0 is necessary
- Updated to QT 6

Issues eliminated:

- Fixed search path for R&S VISA under Linux

1.5 Version 12.2

December 2022 -- Not released to the public

Functional improvements:

- Transition from QT5 to QT6
- Addition of Apple Silicon support

1.6 Version 11.3

Released: November 2019

Functional improvements:

- No functional change to Power Viewer 11.2; just QT issues fixed

Issues eliminated:

- Updated to QT 5.12.3
- Added missing QT platform DLL

1.7 Version 11.2

Released: October 2019

Issues eliminated:

- Fixed typos in sensor self-test
- Fixed display of updated Signal Frequency in OTA measurements

1.8 Version 11.0

Released: November 2018

Functional improvements:

- New sensor firmware version string supported
- New sensor models supported

Issues eliminated:

- Added print support plugins to installer
- Updated S-parameter libraries fixes sporadic crashes

1.9 Version 10.1

Released: July 2018

Functional improvements:

- Added button to let the built-in power sensor blink for a few seconds
- Sensor scan now discovers USB-TMC devices as well
- General support for USB-TMC sensors added
- Shortcut button to VISA configuration next to sensor selection
- Toolbars can be moved and docked
- Button in script measurement resets the search path to the default path used during installation

Issues eliminated:

- The connection test on port 111 failed on some PCs due to the system proxy configuration

1.10 Version 10.0

Released: January 2018

Functional improvements:

- Added support for NRQ6 sensor (frequency selective device)
- Added new measurements: ACLR, Signal Check, IQ Analyzer
- New application icon
- Firmware update dialog removed (use the firmware update tool provided with the NRP toolkit instead)

Issues eliminated:

- Fixed problem activating user S-parameter sets in NRP sensors

1.11 Version 9.2

Released: January 2018

Functional improvements:

- Removed scan menu because legacy devices are automatically detected
- Renamed some menu entries in the 'Sensor' menu

Issues eliminated:

- Fixed deadlock condition in script execution with legacy NRP-Zxx sensors
- Minimum power in trace envelope mode was wrong

1.12 Version 9.0

Released: October 2016

Functional improvements:

- New OTA measurement modes added
- Updated sensor database with NRPxxA and NRPxxT models
- Support for NRP8M (OTA sensor module) added
- New user interface style
- Section can be expanded and collapsed on measurement settings panel
- LAN instrument scan improved

1.13 Version 8.3

Released: April 2016

Functional improvements:

- New measurement modes for special sensor models
- New functions in script language for file system access
- Script example files restructured

1.14 Version 8.1

Released: February 2016

Functional improvements:

- Support for new sensor models added
- New bar chart added as processing window
- New analog/digital gauge panel added as processing window
- Some processing windows can now auto start with measurement start
- Changing the level offset does not change the trace scale anymore

Issues eliminated:

- Occasional spikes in trace display removed
- Overshoot from automatic pulse analysis was calculated incorrectly in log. scale

1.15 Version 8.0

Released: October 2015

Functional improvements:

- Power Viewer plus is a separate installer on Windows based systems
- Updated to QT 5.5 and Visual Studio 2013
- Updated Terms & Conditions
- Script measurement examples moved to user data directory
- S-parameter dialog updated
- New trigger settings in trace mode
- Multi-channel measurement supports multiple s-parameter profiles
- Viewer panel added to s-parameter dialog
- Gauges panel added
- Zeroing button moved to measurements
- New dialog showing which sensor is used by an application in legacy mode

Issues eliminated:

- Corrected web link on firmware update dialog
- Small bug fixes related to the new R&S NRP sensors

1.16 Version 7.0

Functional improvements:

- LAN sensor support added (VXI-11 connections)
- LAN sensor management dialog added
- LAN sensor configuration dialog added
- Continuous average measurement also supports dB μ V
- Support for SMB trigger connector added
- Script language entirely changed to Java Script.
All existing script measurement need to be migrated to the new format.

Issues eliminated:

- Fixed problem in S-parameter dialog when adding new S-parameter sets

1.17 Version 6.4

Functional improvements:

- Script mode send max. 8 channels instead of 4 channels
- Smaller bugfixes and GUI improvements

1.18 Version 6.2

Functional improvements:

- Continuous average display supports Voltage
- Smaller bugfixes and GUI improvements
- Live data log supports custom list separators

Issues eliminated:

- Trigger settings fixed in timeslot mode

1.19 Version 6.1

Functional improvements:

- S-parameter management dialog added
- Separate dialog for setting gamma correction and S-parameter set