Instrument Firmware Revision History

Keysight N99xxA, N99xxB and N99xxC FieldFox Handheld Analyzers with CPU2

Version A12.93.00

Release Date:	Apr 01, 2024
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.93

New Features and Enhancements:

Fix for copying files and renaming directories.

Optimization of calculating remaining media size for record/playback

Fix for recalling a SA state file under specific conditions.

Fix for ensuring 3 Hz IFBW in NA mode is available on A models.

Version A12.92.00

Release Date:	Feb 29, 2024
Requirements Category (e.g., operating system):	Microsoft CE

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Requirements Category (e.g., instrument software version):	A.12.92

New Features and Enhancements

Update to USB Power Sensor Mode when option 208 is not present.

Update to GPS location information when saving .mat files.

Version A12.91.00

Release Date:	Feb 07, 2024
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.91

New Features and Enhancements

New Feature – Support for option 366 (Interference Finder)

Utility Update: SA mode: detectors can be configured independently.

Version A12.81.00

Release Date:	Feb 06, 2024
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.81

New Features and Enhancements

Bugfix – C models: DST Licenses don't enable B10 or B04 (for N9912C)

Bugfix - Reconnect to VSA fails after switching apps

Version A12.64.00

Release Date:	Nov 30, 2023
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.64

New Features and Enhancements

Bugfix – Spectrogram Time Marker Delta Bug.
Bugfix - [Power Meter and Pulse Measurements] Peak meters don't enable external zeroing.

Version A12.62.00

Release Date:	Nov 16, 2023
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.62

New Features and Enhancements

Bugfix - Pulse Measurements: Peak' key greyed out improperly after specific startup sequence.
Bugfix - Pulse Measurements: Peak to Avg incorrect measurement value displayed.
Bugfix - Pulse Measurements: Waiting for trigger state never clears.
Bugfix - Pulse Measurements: Peak key greyed out even with peak sensor attached after sensor re-plug.

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Version A12.60.00

Release Date:	Oct 27, 2023
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.60

New Features and Enhancements

Bugfix: – Pulse Generator mode.

Bugfix: – Power Sensor not detected when measuring source power.

Version A12.59.00

Release Date:	Oct 02, 2023
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.59

New Features and Enhancements

Bugfix: – OTA mode hang on N996xB

Bugfix: – N9911x WR42 calkit causes incorrect prompts on OSL cal

Version A12.58.00

Release Date:	Sep 12, 2023
Requirements Category (e.g., operating system):	Microsoft CE

Requirements Category (e.g., instrument software version):	A.12.58

New Features and Enhancements

Bugfix: - [CSG-105642] N9935B/Error 46: RTSA-Density-Autosession-Recording with wrong Time Display during long Recording Aufnahme (FW A.12.56)

Bugfix: - PAA: Heat Map and Trace broken on A.12.55+

Bugfix: Polar Chart: background does not change when Display color is changed.

Bugfix: In SA mode PSD function, units are not correctly shown for limit lines, display lines, and trigger levels.

Bugfix: - Pulse Measurement hangs under some conditions.

Update: Channel Scanner Update to Support 100 Measurement Channels

Update: Language translation spreadsheet

Update: Limit lines (without limit testing) available in RTSA

Update: SA markers can be turned on/off during recording playback

Version A12.56.00

Release Date:	Feb 10, 2023
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.56
File Name:	n/a
License:	n/a

New Features and Enhancements

Add WR112S30/S32 and WR112S10/S12 calkits

Bug Fixes:

During Save, cursor should appear at end of name

During Save, prefix/suffix without additional file name should be supported

Entering a non-number character in "suffix number" causes firmware to crash

Fix several bugs in spectrogram scrolling. Add loopback off control

Limit line .csv reader doesn't support decimal/entry separator pair ",/;"

Need preference to bring up File Name editor when running QuickSave

OTA Recording: CSV formatting bug

Prefix/Suffix menu in Save/Recall doesn't properly show up if Group save is selected

Prevent Recording trace ID corruption

Recall Limit Line: trace data test is not updated on load

In Save/Recall menu, the Preferences softkey should open the Preferences menu directly to the page regarding Save options

Enhancement:

Via User Preferences, add ability to save current state at instrument shutdown and to recover that state at instrument startup.

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.55.00

Release Date:	October 28, 2022
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.55
File Name:	n/a
License:	n/a

New Features and Enhancements

Fix for an internal frequency bug

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.52.00

Release Date:	September 13, 2022
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.52
File Name:	n/a
License:	n/a

New Features and Enhancements

- RTSA marker beep
- 5GNR Auto Range
- EVM Constellation Diagram
- EMF Manual Mode
- Various bug fixes and enhancements

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.48.00

Release Date:	August 24, 2022
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.48
File Name:	n/a
License:	n/a

New Features and Enhancements

- Bug 560227 - Crash unhandled/exception when parsing UBX
- message from the GPS
- Bug 565196 - [OTA] 5G NR EVM Hang When Configured for 626
- MHz Carrier Frequency & FR1 5 MHz BW
- Bug 565928 - [CSG-91436] VNA Transform Setting
- Bug 566852 - [CSG-93637] N9935B/Error 27: Recording to SD Card with 0 Byte Autosession (FW A12.32)

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.46.00

Release Date:	May 6, 2022
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.46
File Name:	n/a
License:	n/a

New Features and Enhancements

- Fix for crash in OTA mode
- Fix for NA calibration warning when using Type N connectors

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.45.00

Release Date:	April 28, 2022
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.45
File Name:	n/a
License:	n/a

New Features and Enhancements

– Fix for FOPS source measurement

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.44.00

Release Date:	April 12, 2022
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.44
File Name:	n/a
License:	n/a

New Features and Enhancements

– Bug Fix - Channel Scanner Data Logging Timestamp Not Correct/Updating
– Bug Fix -- Format of S2P file is always DB when trace other than S11 is being measured

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.43.00

Release Date:	February 22, 2022
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.43
File Name:	n/a
License:	n/a

New Features and Enhancements

- Bug: IQ Streaming delivers data at incorrect frequency after stop/set freq/start sequence
- Bug: IQ Capture SDF Files Do Not Contain Correct X-Axis
- Bug: Phase inverted when applying waveguide dispersion correction

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.41.00

Release Date:	January 23, 2022
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.41
File Name:	n/a
License:	n/a

New Features and Enhancements

- EMI fixes and updates
- IQ streaming now can stop synchronously
- Updated LO power frequency limits for OML frequency extender heads

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.40.00

Release Date:	January 6, 2022
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.40
File Name:	n/a
License:	n/a

New Features and Enhancements

– Fix when booting N9912A or N9923A with a battery
– Fix syntax on two power meter SCPI queries
– Re-enable support for Option 357

Note: Does not support Option 357 Support of Additional Power Sensors Manual Control of LO Power for Frequency Extenders Bug Fixes.

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.35.00

Release Date:	November 22, 2021
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.35
File Name:	n/a
License:	n/a

New Features and Enhancements

– Bug fixes

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.32.00

Release Date:	October 5, 2021
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.32
File Name:	n/a
License:	Option 361

New Features and Enhancements

- Fix for hang when selecting OTA mode 5G NR EVM Conducted measurement

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.31.00

Release Date:	August 31, 2021
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.31
File Name:	n/a
License:	Option 361

New Features and Enhancements

- Fixed crash when trying to rename the current directory
- Fixed a few Option 361 bugs

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.17.00

Release Date:	April 30, 2021
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.17
File Name:	n/a
License:	n/a

New Features and Enhancements

- Fix - [OTA] 5G NR EVM - SSB Auto-Detect Measurements Fail Depending on Previous Measurements
- Fix - [IQA] Spectrum & Waveform SCPI Data Queries Crash Box When Using Binary Format
- Fix - ERTA "Default All" is broken
- Fix - [OTA] Indoor Log Files Don't Re-Save Properly (Capture Point Coordinate Info is Lost)
- Fix - Allow negative line-loss value to address time domain + ZMagnitude format.

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.16.00

Release Date:	March 22, 2021
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.16
File Name:	n/a
License:	n/a

New Features and Enhancements

- Bug Fix: NA Mode: Line Loss not applied with mixed-mode S-parameter and time-domain transform enabled
- Addition: Support for U2062XA Power Meter.

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.15.00

Release Date:	Februrary 26, 2021
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.15
File Name:	n/a
License:	Option 312, 358

New Features and Enhancements

–   Addition of table view and EMF to option 312 (Channel Scanner). EMF support in channel scanner also requires option 358

–   Various bug fixes

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.02.00

Release Date:	October 21, 2020
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.02
File Name:	n/a
License:	n/a

New Features and Enhancements

–   Various mapping bug fixes

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A12.01.00

Release Date:	September 22, 2020
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.12.01
File Name:	n/a
License:	n/a

New Features and Enhancements

- Updates related to 5GNR and mapping
- QuickSave
- Various bug fixes

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A11.79.00

Release Date:	August 28, 2020
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.11.79
File Name:	n/a
License:	n/a

New Features and Enhancements

- Fix N9912A and N9923A potential boot issue

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A11.78.00

Release Date:	July 10, 2020
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.11.78
File Name:	n/a
License:	n/a

New Features and Enhancements

- – Bug: Instrument crash/freeze when sending block data to instrument via USB488.
- – Bug fixes

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A11.76.00

Release Date:	July 10, 2020
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.11.76
File Name:	n/a
License:	n/a

New Features and Enhancements

- – Bug fixes

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A11.75.00

Release Date:	April 30, 2020
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.11.75
File Name:	n/a
License:	Option 378

New Features and Enhancements

- 5GNR April 2020 release
- 5GNR updates
- OML frequency extender updates

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A11.55.00

Release Date:	February 24, 2020
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.11.55
File Name:	n/a
License:	n/a

New Features and Enhancements

- NA mode: mixed mode measurements will not sweep

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A11.54.00

Release Date:	February 3, 2020
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.11.54
File Name:	n/a
License:	n/a

New Features and Enhancements

– Mapping on-the-box download fix

– ERTA "jumper cables" softkey fix

– Noise Figure RBW 1 MHz Receiver Cal fix

– SEM and EMF fixes

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A11.52.00

Release Date:	January 6, 2020
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.11.52
File Name:	n/a
License:	Option 307, 352, 358, 378

New Features and Enhancements

– 5G NR over-the-air (OTA) measurements
– 5G NR EVM conducted measurements
– Indoor and outdoor mapping support
– EMF measurements
– Spectrum Emission Mask (SEM) support
– OML frequency extender support WR28 24-40 GHz
– Periodic frame trigger synced to GPS

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A11.31.00

Release Date:	November 11, 2019
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.11.31
File Name:	n/a
License:	n/a

New Features and Enhancements

– Bug: System, System Config, Security: high, box crashes
– Bug: B models won't connect to VSA without B04 or B10 license

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A11.26.00

Release Date:	July 10, 2019
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.11.26
File Name:	n/a
License:	n/a

New Features and Enhancements

- Bug: IQA Data Capture SCPI Returning More Points Than Set Value

Keysight N99xxA and N99xxB FieldFox Handheld Analyzers with CPU2 Version A11.03.00

Release Date:	May 05, 2019
Requirements Category (e.g., operating system):	Microsoft CE
Requirements Category (e.g., instrument software version):	A.11.03
File Name:	n/a
License:	n/a

New Features and Enhancements

- Bug: FOPS: 1st point of trace can be incorrect Bug: N9912A: SA mode TG not property initialized for power
- Bug: MMEM:STOR:SNP missing from N9923A