Keysight M90XA X-Series Measurement Applications for Modular Instruments

View the revision history document for versions prior to 3.0

Software Details

Keysight recommends that you keep your system up to date by installing the most recent software version. Only the most current version, along with update instructions, is accessible via the web and can be downloaded from http://www.keysight.com/find/M90XA-SW.

To see the version that is currently installed on your system, open Control Panel and find M90XA under installed programs. You can find versions of installed components as follows:

- M9391A and M9393A drivers: Control Panel, Installed Programs

- XSA: Run M90XA. Send the SCPI query *IDN? or from the GUI, select **Utilities > System > Show > System** and look for the **Instrument S/W Revision** entry on the display.

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Keysight M90XA X-Series Measurement Applications for Modular Instruments

3.0 Version Information

Released Date:	January 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	Minimum required M9391A driver: 2.1.230.1 Minimum required M9393A driver: 1.2.1016.0 Recommended M9391A driver: 2.1.230.1 or higher Recommended M9393A driver: 2.0.219.1 or higher XSA version: M.17.00
Requirements category (other):	Recommended Microsoft .NET Framework : 4.5.2

New Features and Enhancements

- Updated all X-Series measurement applications to version 17.0.

M9069A - Noise Figure Measurement Application

- Multiple data views: Graph, Meter and Table

- Added support for DUT types including amplifier, downconverter, upconverter, and multi-stage converter

- Added support for traditional 346x Series Noise Sources (requires USB Adapter)

- Added support for external source control using LAN, USB and GPIB

M9068A - Phase Noise Measurement Application

- Added Minimum Carrier Level setting - Requires M9068A-BTP

Log Plot Measurement

- Added support for Gate functionality - Requires M9068A-BTP

- Added support for 4801 trace points per sweep (601 default) - Requires M9068A-BTP

- Added the ability to Export the Marker Table data – Requires M9068A-BTP

M9071A - GSM/EDGE/Evo Measurement Application

- Added support for multi-carrier test line exception (non-contiguous) - Requires M9071A-BTP

M9064A - VXA Vector Signal Analysis Measurement Application

- Added support for APCO P25 in analog demodulation measurement

M9077A - WLAN 802.11 a/b/g/n/ac/ah Measurement Application

- Added M9077A-6TP that adds power and modulation analysis support for WLAN 11ah

- Added preset for 11p and 11j into radio format

- Added support for 1024QAM modulation analysis in WLAN 11ac

M9079A - TD-SCDMA/HSPA Measurement Application

- Added support for E-DCH Fixed reference channel configuration - Requires M9079A-CTP

M9080B- LTE/LTE-Advanced FDD Measurement Application

- Modulation analysis and conformance EVM updates

- Simultaneous acquisition of up to 5 component carriers

- Auto detection of DL CA carrier cross scheduling

- UE in band emissions for carrier aggregation

- Spectrum Emission Mask (SEM) updates for Non-contiguous carrier aggregation

- ACLR for Non-Contiguous CA

- Inner and outer offset measurements in one measurement sequence

- Inner-offset CACLR On/Off Auto setup based on Carrier Configuration

- Occupied bandwidth updates

- Mode setup updates

- Added Span softkeys in Channel Power measurement

M9082B- LTE/LTE-Advanced TDD Measurement Application

- Modulation analysis and conformance EVM updates

- Simultaneous acquisition of up to 5 component carriers

- Auto detection of DL CA carrier cross scheduling

- UE in band emissions for carrier aggregation

- Spectrum Emission Mask (SEM) updates for Non-contiguous carrier aggregation

- ACLR for Non-Contiguous CA

- Inner and outer offset measurements in one measurement sequence

- Inner-offset CACLR On/Off Auto setup based on Carrier Configuration

- Occupied bandwidth updates

- Mode setup updates

- Added Span softkeys in Channel Power measurement

M9081A - Bluetooth Measurement Application

- Added support to Bluetooth 4.2 for LE data packet length extension, requires M9081A-BTP

Issues Resolved

Issues fixed in X-Series measurement applications are described in the X-Series Revision History at http://www.keysight.com/upload/cmc_upload/All/XSA_SWReleaseNotes-Win7.pdf

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