

Instrument Software Revision History

Keysight M9410A, M9411A VXT PXIe Vector Transceiver

- **M9410A, M9411A (VXT PXIe Vector Transceiver)**

Version M.26.57 (Release Date Dec, 2020)

Enhancement:

- Initial release to support standard option EP6, Enhanced Performance
- Initial release to support option LFE, Low Frequency Extension. Compatible with M9411A only
- Support embedded analog modulation (AM, FM, PM) in Source control (N9063EM0E)
- Support Noise Figure measurement application (N9069EM0E), M9411A only
- Support C-V2X measurement application (N9080EM4E)
- Support NB-IoT measurement application (N9080EM3E)
- Support Bluetooth measurement application (N9081EM0E)
- Support GSM/EDGE/Evo measurement application (N9071EM0E)
- EVM with Multi-Burst in WLAN measurement application (N9077EM0E and N9077EM1E)
- Add Spur Avoidance for Transmit on/off in LTE and 5GNR measurement mode
- Add Spur Avoidance in Bluetooth Mode, both FFT and Swept
- Add new event and warning message for PLL unlock
- Support Source marker edit
- Improve trigger latency

Issues Resolved:

- Failed to refresh by ACLR measurement restart
- RF Input Correction data is not applied properly
- Wrong data saved during saving Screen Config + State file
- Correction and UI unresponsive issue
- Source RFHD Output port and Correction data is not applied properly
- Transmit On/Off power, SCPI command "DISP:PVTime:VIEW ALL",

- “DISP:PVTime:VIEW BOTH” do not work
- X-App crash when moving Marker in Transmit On/Off measurement
 - Input Overload message in OBUE
 - Noise level discrepancy during ACLR measurement
 - Can't set up CCs with positive frequency offsets for multi-carrier TAE
 - Click "edit selected sequence " of multi-touch UI causes software crash
 - Failed to playback N7631EMBC waveform with Y9085EM0E-1FP license by IVI Driver
 - Trigger delay does not work for ARB signal triggering
 - Source bits for Operation Condition Register do not work

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Version M.25.63 (Release Date Apr, 2020)

Enhancement:

- Support Spectrum Analysis Measurement with Touch UI (N9060EM3E, requires SAA option)
- Support X-Apps based WLAN MIMO (4x4) (N9077EM0E and N9077EM1E)
- Support VSA based 5G NR MIMO (exclude Phase Coherent) (4x4)
- Support WLAN SISO and MIMO with CIU (2x2)
- Support 40 MHz Analysis Bandwidth (B40 option)
- VMA Measurement Enhancements (N9054EM0E)
Eye Diagram Metrics in Digital Demodulation
General Tx BER for Digital Demodulation
- WLAN Enhancements (N9077EM0E and N9077EM1E)
A-MPDU data decoding w. per-subframe CRC check
Support Mean PSD for WLAN Channel Power
Correct CRC result for inactive user (from “failure” to NAN”)
- Add alignment required alert

Issues Resolved:

- X-Apps crash when sending *RST in NR PAVT measurement

- IQ Spectrum loses LO feedthrough after changing optimization mode from Noise Figure Mode to Speed / Performance / IM3 Mode

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Version M.24.61 (Release Date Oct, 2019)

Enhancement:

- Initial release to support M9411A

Issues Resolved:

- Crash and exception in IQ basic spectrum mode
- Unable to recall .bin waveform file in source ARB
- Red LED failures are not always visible in X-Apps

- M9410A (VXT PXIe Vector Transceiver)

Version M.24.24 (Release Date Sep, 2019)

Issues Resolved:

- X-App crashes if M02 is the only installed option

- M9410A (VXT PXIe Vector Transceiver)

Version M.22.34 (Release Date June, 2019)

Issues Resolved:

- X-App crashes during ACP measurement

- Playing a .wfm file after .bin file will corrupt the ability to play .bin file waveforms
- Exceptions caused by FEC Self-test when starting VSA application for VXT
- File "DeviceIO.config" is not properly configured

- **M9410A (VXT PXIe Vector Transceiver)**

Version M.22.26 (Release Date Mar, 2019)

Initial release