Keysight M9393A PXIe Vector Signal Analyzer

Keysight M9393A Version 2.0.225.1, January 2016

Enhancements
- – Enhanced self-tests and corrections for installed hardware options.
- – Enhanced support for external applications software.
- – Increased IF frequency range to [200 MHz, 800 MHz] for external wideband digitizers.

Keysight M9393A Version 2.0.200.0, October 2015

Enhancements
- – Support for extended frequency range (3.6 GHz - 50 GHz) using option M9365A-FRX. Use of M9169E Programmable Attenuator is recommended for range control, automated field alignments, and self test.
- – Support for wideband IF (up to 800 MHz) using option M9365A-WB1 and use of an external wideband digitizer, such as M9202A or M9703A.
- – Limited (setup) support for data streaming using the M9202A wideband digitizer. All streaming controls are available from the M9392A VSA Soft Front Panel and IVI interfaces.
- – Support for peer-to-peer IQ data transfer from the M9214A Digitizer module to another module that supports peer-to-peer data transfer, such as the M9451A module, using the PeertoPeerPort IVI interface.
- – Enhanced self-tests for extended frequency ranges with or without the M9169E Step Attenuator
- – 89600: Power Spectrum speed improvements.

Keysight M9393A Version 1.2.1016.0, April 2015

Support for M9415A Peer To Peer operation. Not supported via IVI.

Support for M9415A Noise Correction in FFT Acquisition Mode. Not supported via IVI.

Various defects fixed:
- – WIT 385288 – LO Feedthrough causes IF Overloads when using Noise Corrections
- – WIT 391319 – Interaction with M90XA prevents newer M90XA versions from running

Keysight M9393A Version 1.1.522.2, March 2015

Field calibration enhancement to improve expected input level accuracy

Various defects fixed:
- – WIT 361207 – Fixture Loss Enabled is now set to False on Reset (previously was unchanged)

Keysight M9393A Version 1.1.518.1, February 2015

89600: allow driver sharing using M9000 resource manager for multi-channel configurations

Various defects fixed:

- WIT 353338 – Issue starting system if locale uses comma as decimal separator
- WIT 357918 – LO Nulling intermittently fails on some systems
- WIT 369709 – Issue with field calibration resulting in ~0.2 dB flatness error on some units
- WIT 335725 – 89600: error reported when IF Dither enabled and Span/RBW ratio too large
- WIT 353408 – 89600: error reported when switching between IF Mag & External Trigger in Sequenced Mode
- WIT 353905 – 89600: minimum gate length limited to 100 ns in zero span
- WIT 355118 – 89600: added VBW limiting in zero span
- WIT 356920 – 89600: channel filter was not set correctly for non-power spectrum measurements
- WIT 359033 – 89600: allow higher Span to RBW ratio based on physical memory available

Keysight M9393A Version 1.1.240.0, September 2014

- Feature: LabVIEW driver for AgM9393.
- Feature: Added IF Dither mode for Stepped Spectrum. See IAgM9393Ex2.SteppedSpectrumAcquisition2.IFDither.*
- Feature: Added multi-channel synchronization. See IAgM9393.MultiChannelSync.* Documentation updates.
- WIT 337258 - 89600: Overlap Percentage error with Gate Trigger and Power Spectrum
- WIT 339914 - Comprehensive alignment failed if initial instrument state is Stepped Spectrum and conversion is image protect