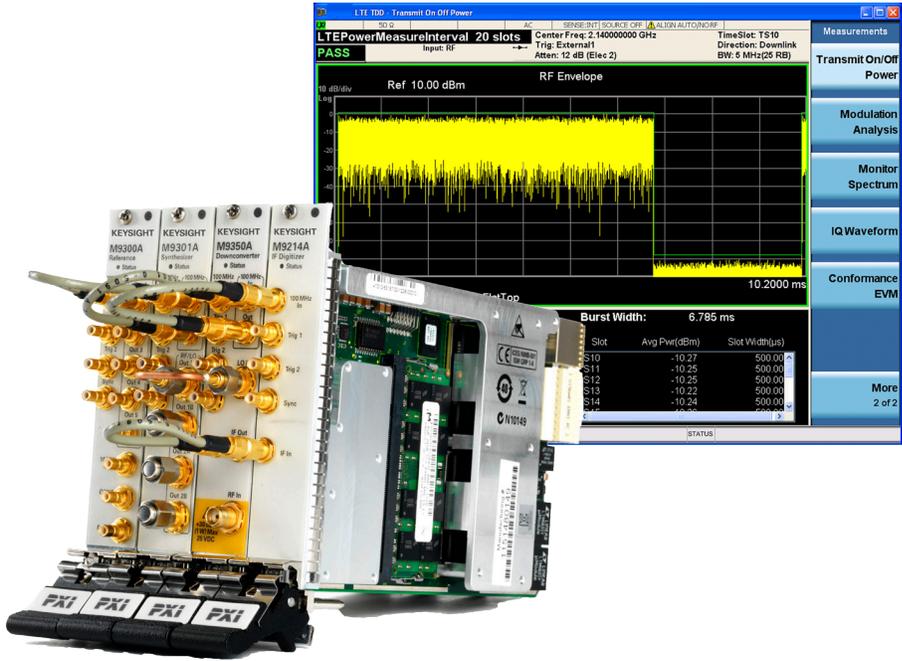


Keysight Technologies

X-Series Measurement Applications for Modular Instruments

Technical Overview



Industries and Applications

- LTE FDD, LTE TDD
- W-CDMA/HSPA+
- GSM/EDGE/EVO
- TD-SCDMA/HSPA
- 1xEV-DO
- cdma2000®/cdmaOne
- WLAN 802.11a/b/g/n/ac

Product Description

Eight of the Keysight Technologies, Inc. most popular X-Series measurement applications – the same applications used with the X-Series signal analyzers - expands the capabilities of the M9391A PXIe Vector Signal Analyzer (PXI VSA). Combining these applications with the raw hardware speed of the PXI VSA enables fast measurements that lower the cost of test, while ensuring measurement continuity from design to manufacturing.

X-Series measurement applications for modular instruments transform PXI VSAs into standards based RF transmitter testers. They provide fast RF conformance measurements to help quickly test components and devices in high volume manufacturing.

Main Features and Benefits

Product features	Your benefit
Shared SCPI programming commands	Minimizes effort and cost of creating new test systems.
Unique resource manager in X-Series measurement applications for modular instruments (see figure 1)	Provides fast switching between raw data measurements and standards-based measurements.
Proven measurement algorithms and results	Consistent test results from design to manufacturing
Standards-based measurements	Confidence that tests meet required standards
Supports up to four PXI VSA measurement channels in one PXI chassis.	Save money by configuring your PXI channels to meet your test requirements

Resource Manager

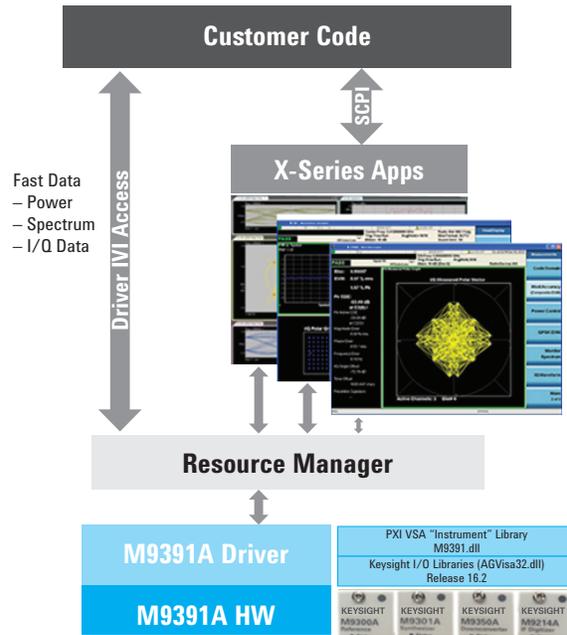


Figure 1. Resource manager, included in X-Series measurement applications for modular instruments.

Keysight's X-Series measurement applications for modular instruments include a unique resource manager that provides direct access to PXI VSA hardware drivers for the fastest power and spectrum-based measurements while simultaneously using fast modulation quality measurements provided in the X-Series measurement applications. Time spent switching between different applications is also significantly faster, thanks to the resource manager.

Software Information

Operating systems	Microsoft Windows XP (32-bit) Microsoft Windows 7 (32/64-bit) Microsoft Windows Vista SP1 and SP2 (32/64-bit)
Application development environments (ADE)	VisualStudio (C/C++, C#, VB.NET), LabVIEW, LabWindows/CVI, MATLAB, VEE
Keysight IO Libraries (version 16.3 or newer)	Includes: VISA Libraries, Keysight Connection Expert, IO Monitor
Keysight Command Expert	Instrument control for SCPI or IVI-COM drivers

Ordering Information

Model	Description
M9071A	GSM/EDGE/EVO Measurement Application
M9072A	cdma2000/cdmaOne Measurement Application
M9073A	W-CDMA/HSPA+ Measurement Application
M9076A	1xEV-DO Measurement Application
M9077A	WLAN 802.11a/b/g/n/ac Measurement Application
M9079A	TD-SCDMA/HSPA Measurement Application
M9080A	LTE FDD Measurement Application
M9082A	LTE TDD Measurement Application

Related Information

Model	Description
M9391A	PXIe Vector Signal Analyzer

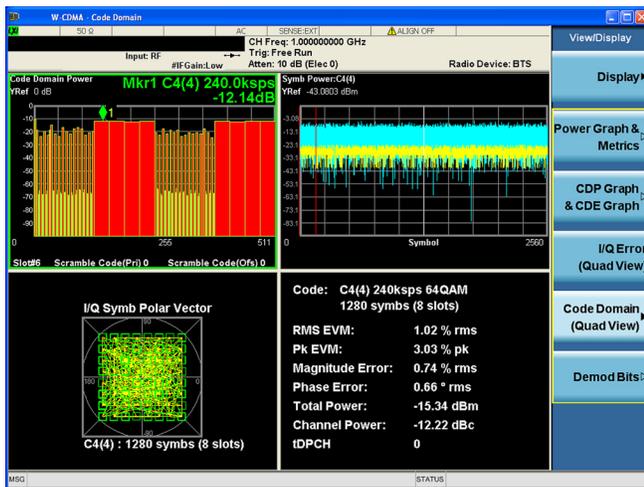


Figure 1. Keysight M9073A W-CDMA measurement application.

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LAN eXtensions for Instruments puts the power of Ethernet and the Web inside your test systems. Keysight is a founding member of the LXI consortium.



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For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

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