

## VTI Microwave's New 0-40 GHz Switching Platforms Save Time and Maximize Data Accuracy

New easy-to-use software utilities reduce time and expense by 30-60 percent from design through production.



**Irvine, CA** – VTI Microwave, a business unit of VXI Technology, Inc., introduced today its new EX72SF switching platform featuring LXI Class A technology and ultra-high reliability relays. Designed for RF/Microwave test systems, the high-performance, modular, 2U rack mainframe is capable of housing up to 6 multi-throw and 6 SPDT RF/Microwave latching relays with self-terminating and extended life options. The highest density modular switching platform on the market, it routes RF and microwave signals between the unit under test and resources in the test system (e.g., network analyzers and sources). The EX72SF offers operating ranges from DC to 20 GHz, 26.5 GHz or 40 GHz. Its price/performance points can address a wide array of applications ranging from aerospace and defense to commercial wireless products.

As part of the EX7000 series of scalable, open-architecture RF interface unit (RFIU) subsystems, the EX72SF was developed to reduce non-recurring engineering costs and accelerate product development. It is the first switching platform designed to meet the Ethernet-based LXI Class A standard, which allows the EX72SF to

be precisely synchronized with virtually any test instrumentation. The EX72SF LXI communications interface does not depend on a specific PC bus architecture, thus eliminating the risk of platform obsolescence over the life of the application.

“The EX72SF provides a fundamental building block for microwave system designers who demand maximum performance and repeatability from their switching subsystem,” said Ron Gerlach, engineering manager for VTI Microwave. “It also provides ready-to-use software tools that have dramatically saved us time moving designs into production.”

The EX72SF software utilities feature a graphical web-based interface with intuitive command and control menus to help reduce the development cycle by 30-60%. The software leverages the EX7000 series Broadband Integrated Design Wizard (patent pending), which provides users with tools to enhance the efficiency of their application. An easy-to-use, transportable front panel is accessible through a standard web browser, which makes control and maintenance possible from anywhere in

the world. The software drivers supplied are based on the IVI industry standard and can be used in virtually any application development environment, including C++, LabView™, LabWindows/CVI and Visual Basic. Instrument driver support also exists for Linux operating systems to increase the flexibility in software environment compatibility.

To maximize the integrity of the signals it routes, the EX72SF features unique relays that employ patented design technology to deliver unmatched isolation, minimal crosstalk, and very repeatable performance. The patented wiping action removes debris that forms between the contacts of electro-mechanical relays that cause measurement instability. EX72SF switches guarantee an industry-leading repeatability of insertion loss within a maximum of 0.03 dB throughout their rated lifetime to provide consistent measurement performance.

For more information, visit [www.vtimicrowave.com](http://www.vtimicrowave.com) or email [sales@vxitech.com](mailto:sales@vxitech.com).

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### About VXI Technology, Inc.

VXI Technology, Inc. (VTI) delivers precision instrumentation for electronic signal distribution, acquisition, and monitoring. ISO9001:2000 registered, the company serves the following key markets: aerospace, defense, and energy and power generation. VTI's technology allows its customers to optimize their capital investment through product longevity while ensuring unmatched measurement integrity and data reliability. With plants in the U.S., Europe and Asia, worldwide product support is provided through a network of VTI-certified engineering representatives. VTI is a sponsor member of the VXI Consortium and a strategic/founding member of the LXI Consortium.

World Headquarters: 2031 Main Street, Irvine, CA 92614 USA  
Tel 949-955-1894 Fax 949-955-3041

### TECHNICAL CONTACT

Tom Sarfi  
Business Development Manager  
Tel: 001.216.447.8950 x.2016  
Email: [tsarfi@vxitech.com](mailto:tsarfi@vxitech.com)  
[www.vtimicrowave.com](http://www.vtimicrowave.com)

### MEDIA CONTACT

Emily Owens  
Marketing Communication Specialist  
Tel: 001.216.447.8950 x.2014  
Email: [emilyo@vxitech.com](mailto:emilyo@vxitech.com)  
[www.vxitech.com](http://www.vxitech.com)