RF Test Solutions

Keysight Technologies and WinSoft

Comprehensive characterization of devices with a modular RF test system

When testing RF and microwave devices you require highly configurable systems that can meet your specific test needs. Modular RF test systems allow you to specify the exact facilities required to achieve comprehensive characterization of your RF devices.

WinSoft RF test systems are fully modular solutions built around custom RF units, a configurable RF switch, optional RF software and customer selected commercial-off-the-shelf (COTS) instrumentation. WinSoft has delivered RF test systems for use in the military, aerospace, semiconductors and telecommunication industries in both production and engineering applications.

The systems can be configured with a wide range of instrumentation from Keysight Technologies including the PNA-X Series microwave network analyzer, the PSG signal generator and the PSA Series spectrum analyzer. Additional source and measurement units can be specified for testing passive components or active devices.

An intuitive, menu-driven operator interface allows the user to create new test sequences easily using the built-in measurement library, to edit test parameters, define test limits and to generate custom reports. WinSoft has extensive experience in RF software development and has worked with Keysight Technologies in developing commercial instrument drivers for the Keysight PNA-X, PSG and PSA instruments.

- Modular RF test systems for military and commercial applications

- Built around RF switching, software and COTS equipment

- Uses Keysight instruments including PNA-X, PSG and PSA

- Custom designed, configurable switching and control

- Menu driven software interface

- Tests wide range of RF units at up to 40 GHz or higher

- Comprehensive characterization of RF components and devices

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RF Test Solutions

Custom RF switching and control facilities are available, designed and manufactured by WinSoft. A wide range of configurations for manual or automatic operation can be specified ranging from simple to highly complex RF switching.

RF systems from WinSoft can operate at up to 40 GHz or higher, and perform automated test routines on RF units including LNAs, up/down converters, power amplifiers, phase shifters, microwave modules, transceivers, receivers, transmitters, modulators, equalizers and high speed A/D & D/A converters.

With a modular RF test system from WinSoft based on Keysight instrumentation you can achieve comprehensive characterization of all of your RF components and devices.

System Components

Keysight Technologies

PNA-X	Microwave network analyzer
PSG	Signal generator
PSA	Spectrum analyzer

WinSoft

Modular RF Test System

To learn how this solution can address your specific needs please contact Keysight's solutions partner, WinSoft
www.keysight.com/find/winsoft

WinSoft®
Engineering & Test Solutions

Keysight & Solutions Partners
Extending our solutions to meet your needs

Keysight and its Solutions Partners work together to help customers meet their unique challenges, in design, manufacturing, installation or support. To learn more about the program, our partners and solutions go to
www.keysight.com/find/solutionspartner

WinSoft Inc. is a test and measurement engineering company specializing in automatic test equipment (ATE) development and integration
www.winsoft.com

For information on Keysight Technologies' products, applications and services, go to
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