RF Module Test

Keysight Technologies and Auriga Microwave

Achieve speed, accuracy and performance in your RF module testing

RF modules used in applications such as satellite arrays, point-to-point radios, multi-function MMIC's and radar T/R modules are increasing in complexity and demanding ever-greater bandwidths and transmission speeds. RF device manufacturers must deliver cost-effective components as quickly as possible while still maintaining the highest quality and performance. Effective RF module testing requires high performance testing combined with high throughput to meet the volume expectations of customers

The Auriga CTS-3 multi-state RF module test platform provides the combination of speed, accuracy and performance that RF device manufacturers require.

At the heart of the system is a range of Keysight instruments. The Auriga CTS-3 includes a Keysight PNA-X network analyzer, a PXA signal analyzer, a DSO9064A oscilloscope and an N6700B modular power supply. This system configuration gives high performance and fast measurement speed across a frequency range of 10 MHz to 50 GHz.

The Keysight equipment is fully integrated into a mainframe with additional instrumentation and sophisticated DUT control.

- RF module testing solution
- Combines speed, accuracy and performance
- CW and pulsed RF measurements from 10 MHz to 50 GHz
- Based on Keysight instruments
- Includes PNA-X network and PXA signal analyzers
- Auriga Testflow graphical control software
- High performance, high throughput RF module testing

KEYSIGHT TECHNOLOGIES

RF Module Test

The system is controlled by Auriga's innovative Testflow software. The Testflow software includes intuitive measurement and control objects that allow customers to build professional and accurate test flow diagrams. Its drag-and-drop graphical interface means that once a measurement diagram is complete, calibration and execution is as easy as pressing a button.

The Auriga CTS-3 can make CW and pulsed microwave measurements on both linear and frequency translation devices. These include S-parameters, gain, efficiency, harmonics, spurious signals, RF pulse profile, noise figure and many others. This performance, together with its flexible configuration and high throughput, means the system is the ideal solution for testing today's complex RF modules and devices.

With the Auriga CTS-3 multi-state RF module test platform based on Keysight instrumentation, you no longer have to compromise. You can now qualify your RF devices with the speed, accuracy, and performance demanded by your customers.

System Components

(Typical CTS-3 configured system, 10 MHz to 50 GHz)

Keysight Technologies

N5242A	PNA-X microwave network analyzer
N9030A	PSA signal analyzer
DSO9064A	Infiniium DSO
N6700B	Modular power supply (plug-in modules as required)

Auriga Microwave

AU7103-0002	4-port non-blocking switch matrix, 10 MHz to 50 GHz
AU7109	Trigger sync
	Software and integration services provided by Auriga Microwave Other system cionfigurations are available

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

AURIGA MICROWAVE

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

Auriga Microwave is a recognized international leader in modeling, measurement and design of RF, microwave and millimeterwave technologies.
www.aurigamicrowave.com

For information on Keysight Technologies' products, applications and services, go to
www.keysight.com

© Keysight Technologies, 2012-2014
Published in USA, August 2, 2014
5990-5957EN

KEYSIGHT TECHNOLOGIES