802.11 Board Test Station

The Value Solution

- **Highly Integrated** - to provide you with a complete solution out of the box. Plug it in, install your part, and press the start test button.
- **Fast Fast Fast –** instrumentation on the same bus as the controller means that your measurements happen in milliseconds, not seconds.
- **Affordable –** less than half the price of competitive solutions!
- **Industry Standard Software** - easy to use and maintain or add custom components at any time
- **Value!!!! –** Add it all up and you get value. Not only for an initial purchase, but the more you use it the more you save. This system lets you reduce the overall test budget while improving throughput.

Overview

Larson Automation's 802-11 Board Test Station is the right choice to deploy for your 802.11 based products. Every product must be tested to ensure compliance with the various regulatory agencies. Calibration values must be downloaded into each part to ensure maximum functionality and the best performance possible. Other companies offer RF analyzers, protocol analyzers, network traffic monitors, and other 'boxes' to simplify your testing. Larson Automation is the first company to address the real need. We deliver a complete system to test your product.

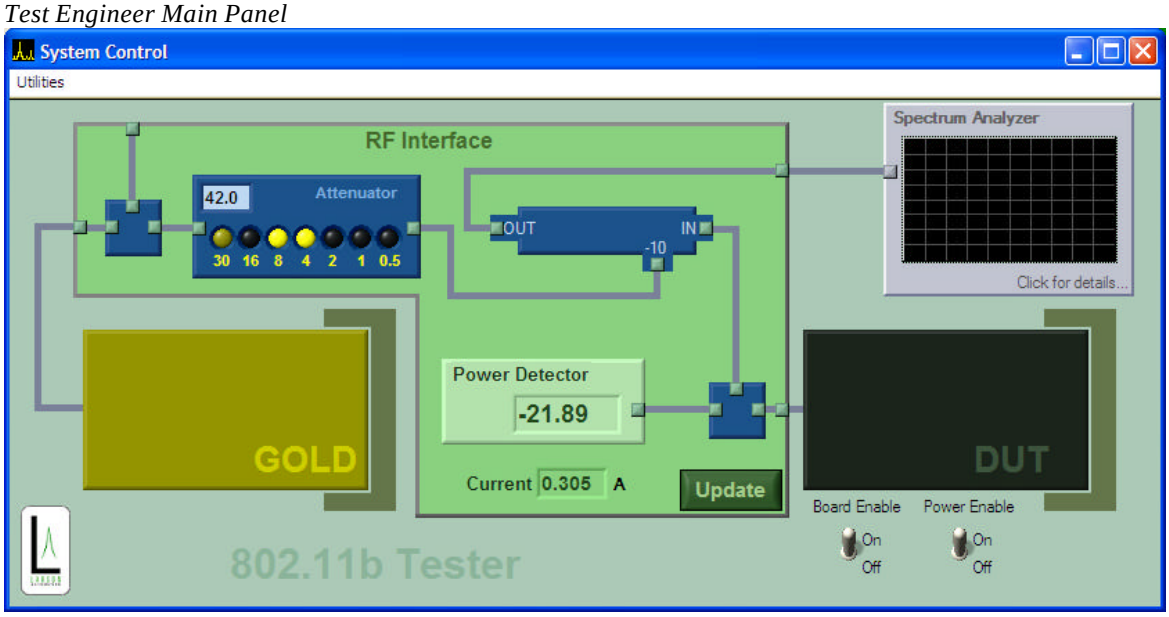
Based on the highly configurable PXI chassis the system provides the right level of instrumentation for your needs. This equates to a **VALUE** system. You only pay for the equipment you need while maintaining a compact platform. The instruments also reside on the same PCI based bus as the controller. That means **SPEED**. This allows us to produce the fastest analysis platform on the market. What that means is a reduced test time and reduced test cost.

Each chipset vendor has a different interface requirement. MAC chip interfaces are unique. Larson Automation's 802.11 test station supports all major vendors' interface so that you don't have to fight with register definitions, mini-port drivers, and DDK's development. This equates into **FLEXIBILITY**.

The user interface is intuitive. From the moment you install the system, you can choose from a list of pre-defined test scenarios based on common user needs, or define your own. You can just install a part and press the start button to calibrate and test a part. This is unique because Larson Automation provides a complete **INTEGRATED** solution. No confusing block diagrams to decipher, no RF cabling issues, no GPIB instrument issues. The system is delivered ready to run.

48511 Warm Springs Blvd. No. 209 Fremont, California 94539
Tel (510) 656-4100 Fax (510) 656-4140
www.larsonautomation.com

Test Engineer Main Panel



Typical test profile

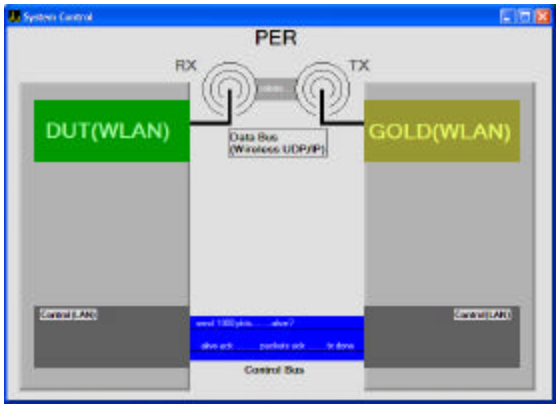
Receiver tests
PER Threshold
Receiver RSSI linearity / accuracy
Receive mode current consumption

Transmitter tests
Max power in Band
FCC Mask Compliance
Adjacent Channel Power
Frequency Accuracy
Transmit mode current consumption

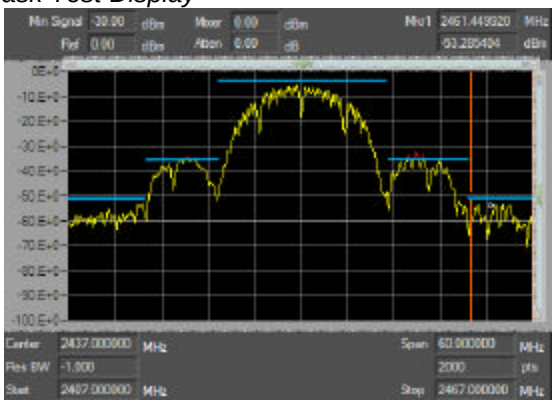
General tests
Operational currents:
- Sleep mode
- Standby mode
- Idle mode

Misc
Update serial number
Update MAC Address
Update power back-off values

PER Control Panel



Mask Test Display



Base tester is 2.7GHz analyzer with a ‘gold’ reference unit. No fixture

Equipment Options
- 4.9-6.0 GHz internal frequency extender
- 2.7-6.0 GHz external frequency extender
- 3.0 GHz signal generator
- 6.0 GHz signal generator

Fixture Options
- Open frame with cables
- Shielded enclosure
- Dual well shielded enclosure

Contact the factory for pricing and delivery