

iQfact Dedicated Automated Test Software for Manufacturing and Design Verification

Flexible Test Software for Wireless Chipset and Device Makers

LitePoint IQfact™ automated test software dramatically reduces the product lifecycle challenges of wireless chip makers, device designers and OEMs/ODMs. It ensures quality and reliability at all stages of the supply chain so that products are designed, manufactured, and shipped on time to optimize profits.

Completely validated in partnership with key IC chipset manufacturers, IQfact can be used in pilot runs, Design Verification Test (DVT) characterization, pre-production, DVT quality assurance, initial product test, and volume manufacturing on the same test platform, (IQmax® WiMAX, IQnxn® MIMO, and IQview® and IQex® test solutions) using the same test methodology to ensure the ultimate in reliable test results.

Manufacturing Test is Fast, Flexible, and Reliable

IQfact is preconfigured as an optimized test solution for specific chipset-based products so you can begin testing right out of the box once the software package is installed. You can also tune the test flow, conditions and limits to your needs by editing the test-based setup files. Or customize the GUI or fully customize with the supplied DLL interface and API cutting weeks off your set-up.

Design Verification Test - reduced from days to hours

Comprehensive test scripts for specific Legacy (SISO) and MIMO wireless chipsets allow silicon vendors and their customers to automatically characterize their product using over 800 individual tests reducing test time from days to hours. Product developers can verify their designs before their release. OEMs/ODMs can confirm they're receiving quality chipsets before embarking on full production runs. And Quality Assurance of device marketers can ensure their brand is meeting their customers' expectation before shipping to retailers.

Most Economical Wireless Test Methodology

- Maximizes factory throughput
- Ensures maximum test coverage and quality
- Faster tests and better results using same platform for verification and production test
- Complete traceability since the supply chain uses same test methodology
- Easy changeover between chip vendors because test platform is vendor independent
- Chip vendor partnerships insure the latest updates, earlier new chipset visibility, and greater chipset support

Ultimate flexibility

- Use out of the box
- Modify recommended test program
- Modify GUI through provided DLL interface
- Customize program by accessing interface to DLL and API
- Access API for complete customization
- Calibration, Rx and Tx test

IQfact DVT reduces test from days to hours

- Covers all frequencies, data rates, modulations, bandwidths, Rx and Tx, testing with and without limits
- Easy transition to reliable manufacturing

Created in partnership with key IC chip makers

- Achieve the highest quality
- Develop with the latest chipsets
- Quickly deal with the newest standards
- Receive the fastest updates

IQfact architecture.



