



RTX2300
SMART ATE
CASE STORY

The RTX2300 Smart ATE is a flexible, compact & cost-effective test solution for functional test of wireless devices. It can be used for test of printed circuit boards as well as for final product testing. With its combination of embedded instrumentation & optional add-on instrumentation modules, the RTX2300 reduces the complexity, size & cost of an ATE system.

CASE STORY

One of RTX's customers, a fortune 100 company in USA, has depended on RTX's test equipment for several high-volume production projects since 2004. They considered a wide range of platform solutions for the testing of its Wi-Fi based products before choosing RTX. The RTX2300 Smart ATE was the latest in the RTX test platform series to be adapted to meet the customer's production test requirements for the wireless product family.

The RTX2300 offered the customer an off-the-shelf solution, capable of addressing multiple issues - namely, implementation effort and cost, speed of deployment and provisioning at multiple offshore locations. Re-use of committed capex for future programs was another important parameter.

It was demonstrated that RTX platforms exceeded industry standards on test accuracy and performance. The RTX platform furthermore has an inherent cost advantage over the competition because of the high integration level with embedded measurement capabilities and easy customization for adaptations to various product types.

The decision to choose RTX's test solution, enabled the customer to perform baseband, RF measurements and alignments in one process. In doing so, both test and handling time was reduced. Additionally, the test equipment required less physical space in their production area than would be required for alternative solutions. The customer deemed these parameters essential to obtaining a long-term solution with an efficient ROI.

They decided at an early stage that the test equipment needed to be a shielded solution in order to isolate the wireless elements of the Wi-fi product from the noisy characteristics in a typical production environment. The RTX2300 is built around a RF-shielded box eliminating interferences from noise incursions in an uncontrolled environment, which reduces false negative test results and improves yield of the wireless product in mass production.

FEATURES

- *Competitively priced & easy to customize, operate & re-configure*
- *Shielded solution*
- *Compact, modular unit*

BENEFITS

- *Reduced total instrument costs & re-useability of test equipment for future projects*
- *Improved yield as a result of less false-negative test results*
- *Requires less floor space*

