

Extended QA for a leading Microwave transport system solution provider



This case study showcases how Veryx Technologies enabled a leading microwave transport system solution provider to meet their QA objectives targets by providing extended QA testing.

Client

The customer is a major Japanese multinational corporation, manufacturer of semiconductors, computers, telecommunications equipment, and provides related software and services.

Challenges

The customer was planning to launch a set of new microwave platforms with new high modulation which helps in enabling high capacity and eventually delivering high microwave transmission system in combination with multiplexing techniques. This helps them to provide highly dependable and intelligent converged solutions to satisfy current and future mobile requirements. The challenge was

- ✓ End to end test on multiple variants.
- ✓ Repetitive manual test
- ✓ Non-reusability of automated test
- ✓ Post sale Customer support
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Solution

Veryx Technologies readily took up the challenge and was determined to provide good quality and increasing value to the esteemed customer. The key highlights of the strategy were:

- End to end Test
 - Complete Ethernet Functionality test
 - High capacity microwave transmission testing using different multiplexing techniques
 - Interaction test for multiple features
 - Performance test
 - Interoperability test with different hardware variants
- Integration of automated test scripts for new variants

Veryx quickly ramped up the team with the skilled engineers, as they were already experienced in Layer 2 and microwave transmission device testing and deployment knowledge.

Benefits

- ✓ Experience in L2 and microwave testing helped in increasing the productivity by 40%
- ✓ Better quality software due to regression testing on every builds
- ✓ Simultaneous test execution of multiple releases
- ✓ Product knowledge helped in post-sale support
- ✓ Integration of automated script helped in performing quick sanity test

Technology

- ✓ OS: Windows
- ✓ Scripting Languages: TCL/TK
- ✓ Features:
 - L2 and L3 switching
 - Time Synchronization Protocols
 - Redundancy Protocols like Spanning Tree and ERP
 - MPLS-TP functionality
 - TDM technology (E-1/STM-1)
- ✓ Hands on experience in Spirent traffic generation tools.

About Veryx Technologies

Veryx Technologies is a provider of innovative testing, automation and monitoring solutions for network service providers, cloud service providers, data centers, Enterprise IT and network equipment vendors. Veryx offers solutions for network testing, performance monitoring and equipment testing applications for technologies such as Carrier Ethernet, IP, Cloud, SDN, NFV and Smart Networks.

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