VIAVI
Three Steps to Full 5G

End-to-end solutions for lab validation, network implementation, and optimization once installed. Across 5G, Fiber, and Cloud.

Together we deliver on the full value of 5G.

▶ Lab Validation

RAN to Core functional, performance, and conformance testing solutions for interoperable 4G, 5G, and O-RAN wireless communication network elements

- Identify and correct issues as early in the development cycle as possible
- Get better performance and interoperability of network elements
- Enable greater engineering productivity and improve test equipment utilization
- Accelerate time-to-market
- Ensure security requirements are met

TM500 Family

Functional, system integration, capacity and stress testing in the lab. It can emulate 1000's of mobile devices, across multiple cells to set-up and test 4G and 5G Base Stations.

TeraVM

Application emulation and security performance solution, delivering comprehensive test coverage for application services, wired and wireless networks

RANtoCore

Complete end-to-end RANtoCore™ testing and validation solution for a complete overview of the network and its performance under the demands of real-world traffic scenarios

Field Verification

Installing, commissioning, and acceptance solutions

Antenna alignment, fiber and coax verification, real-time spectrum and interference analysis, RF signal analysis, X-haul validation

- Certify to design specs/standards
- Alleviate labor constraints through automation
- Improve operational efficiency
- Increase first time install – reduce repeats & OpEx
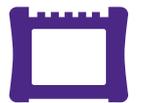- Deliver highest quality of service

3Z RF Vision
RF site design optimization and validation through precise antenna alignment

OneAdvisor 800 Wireless
All-in-one cell site installation and maintenance test tool (fiber, coax, RF)

RF interference detection (Over-The-Air Timing and Sync certification, PIM detection, external interference identification and mitigation)

T-BERD / MTS 5800
X-haul, latency, timing and sync

StrataSync
Cloud enablement

Network Visibility

Location Intelligence, Optimization, Automation, Monetization

- Maintain and optimize existing infrastructure with less manual intervention
- Assure quality of service (QoS) and quality of experience (QoE)
- Pinpoint problems for faster fixes
- Reduce complexity and increase automation to confidently evolve to future networks

Location Intelligence and RAN Assurance
Rich correlated network data intelligence and visibility to enable assurance and optimization automation and monetized marketplace differentiation

Diagnostic
Near real time, deep analytics at the subscriber level for all technologies and all devices

Cluster Optimization / ASV (Automated Site Verification)
Save RAN energy, automate optimization and new cell site deployments using deep real real-time RAN analytics and visibility

AI Ops
Closed-loop automation for complete domain agnostic end-to-end network management

VIAVI Solutions

viavisolutions.com