

Cloud-Accessible Lab-Based Open RAN Solutions

#1 Solution for NEMs

Over 85% of NEMs are using
VIAVI RANtoCore Solutions for
gNB development.

With over 85% of NEMs using VIAVI RANtoCore™ solutions for gNB development, VIAVI uniquely offers market-leading 5G and Open RAN test solutions for conformance, performance and interoperability of O-RU, O-CU, O-DU, RIC and Core elements. VIAVI solutions can be deployed in both public and private clouds to enable customers to improve return on investment, utilization and engineering productivity.

In addition to managing the complexity of developing 5G technology, Open RAN architectures are accelerating the transition to virtualized, multi-vendor networks. These require thorough testing of both individual elements as well as ensuring that the overall performance matches that of traditional networks. At the same time, the industry expects overall costs to remain relatively flat. VIAVI offers virtualized and cloud-based test solutions and services that play an important role in this.

Development Productivity and Return on Investment Can Be Increased By:

- Increasing utilization of equipment
- Automation and standardized test cases
- On-demand Software-as-a-Service (SaaS) and Test-as-a-Service (TaaS) models
- Leveraging the wider industry ecosystem

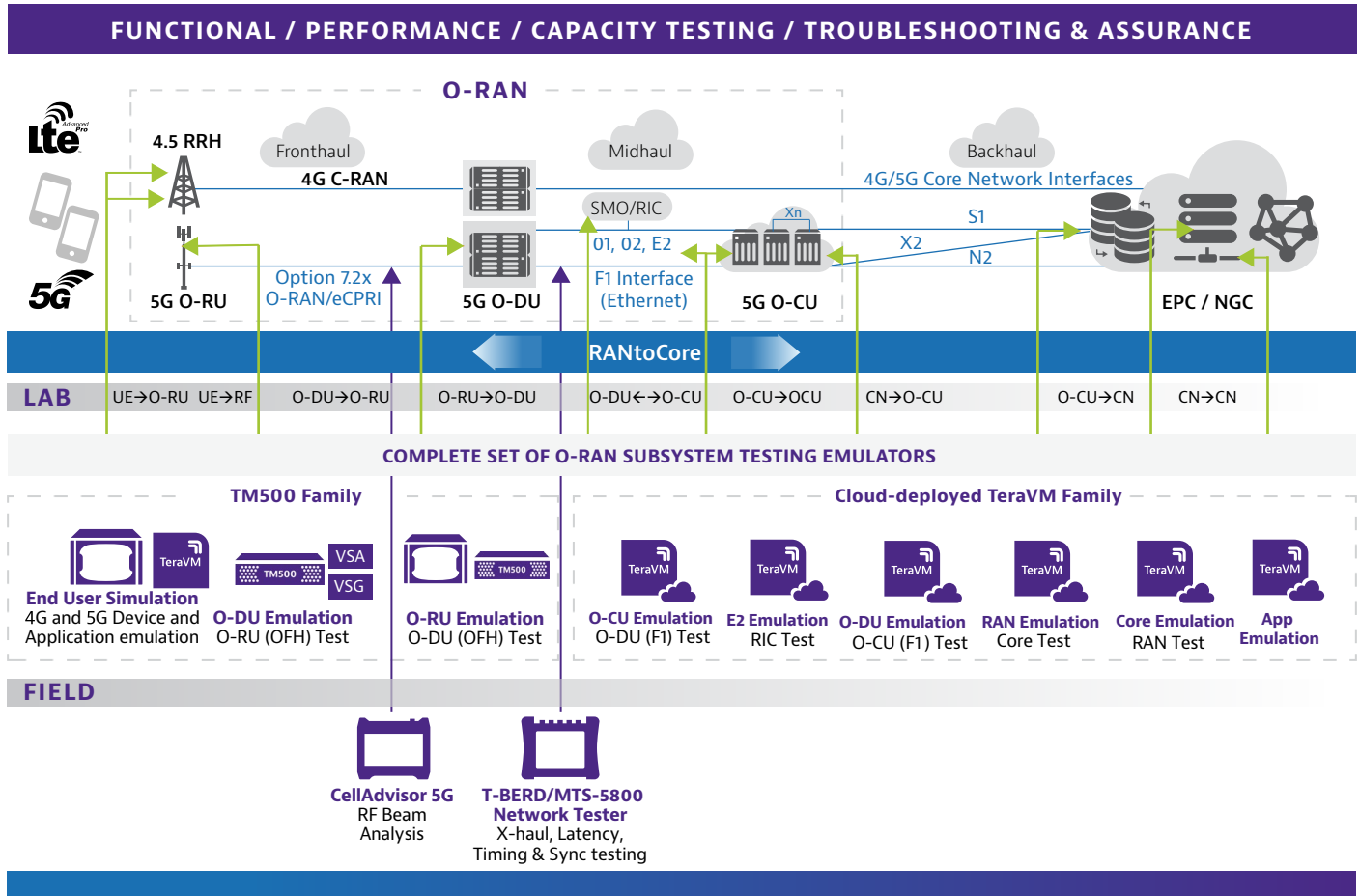
These solutions are available to run on both dedicated server platforms and in public cloud offerings including Amazon Web Services, Google Cloud Platform, Microsoft Azure and OpenStack.

VIAVI Cloud-based Open RAN Test Solutions for Lab-based Testing

Open RAN standardizes the interfaces between the disaggregated radio, distributed and central units of the base station to allow operators to deploy multi-vendor solutions. The VIAVI Open RAN Test Suite allows any node, combination of nodes and complete end-to-end testing to be performed. These solutions are designed to enable operators and vendors to benefit from cloud-based testing and adopt test strategies that maximize their return on investment.

VIAVI RANtoCore Network Test Solution – Simulate and Test All Nodes

4G/5G NSA, SA and Open RAN test solutions: Functional, conformance, performance and system and multi-vendor interoperability testing.



Why VIAVI?

Backed by our engineering strength and contributions to the standards setting processes, VIAVI UE emulators are already used by almost every base station and small cell vendor worldwide and many of the world’s largest network operators. As a “golden reference” with the most advanced roadmap the TM500 family is the first choice for project directors wanting to minimize risks to their project deliverables and ensure performance and complete interoperability. With the migration of test capability to virtualized platforms and the cloud, VIAVI is now also helping our customers to further boost productivity.



Contact the network test experts at VIAVI for a cloud-deployed RANtoCore demonstration to see how to improve return on investment, utilization and engineering productivity.