RuSIM UE/RU Emulation Solutions
Over the O-RAN Fronthaul

O-RAN Fronthaul Validation Made Simple

For testing over the O-RAN fronthaul interface, RuSIM enables infrastructure vendors, chipset providers and mobile operators to validate end-to-end Radio Access Network performance by emulating real network traffic. Fully scalable and with a reduced footprint, our systems have been designed to accelerate multi-standard end-to-end network verification by generating IP traffic load, simulating applications running on thousands of concurrent devices operating real voice and data sessions. Full protocol stack assessment is possible for 5G NR (NSA/SA) over eCPRI. O-DU functional and performance full-stack testing can be performed with an optional wrap-around testing configuration, using CuSIM (Keysight's O-CU emulator). CoreSIM, a core emulation option, makes O-DU+O-CU wrap-around testing possible.

5G

Validate 5G RAN functionality, performance and conformance over the O-RAN fronthaul interface

- Full protocol stack assessment

- Functional testing up to thousands emulated UEs

- Performance and load testing

- Protocol conformance testing

- Compliance testing against interoperability specifications

- DU / O-DU-O-CU wrap-around testing options

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Validate 5G Network Performance over the O-RAN Fronthaul Interface

Start validating your 5G network today: for performance testing in terms of ultra-low latency, high reliability, extreme throughput and massive connectivity, you can rely on Keysight to provide highly scalable systems with a reduced footprint.

- Full protocol stack assessment for 5G NR (NSA/SA modes) over eCPRI interface
- Functional testing – layer by layer – up to thousands emulated UEs
- Performance and load testing
- Protocol conformance testing
- Compliance testing against interoperability specifications
- O-DU functional and performance full-stack testing
- O-DU wrap-around testing option with CuSIM, Keysight's O-CU emulator
- Core emulation option for wrap-around O-DU+O-CU testing with Keysight's CoreSIM
- Fully scalable solution with a reduced footprint
- Service quality validation with realistic subscriber and traffic modeling at high scale with LoadRAN

P8822S RuSIM over O-RAN Fronthaul

For further information please visit: www.keysight.com\find\rusim

Learn more at: www.keysight.com

For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: www.keysight.com/find/contactus

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