



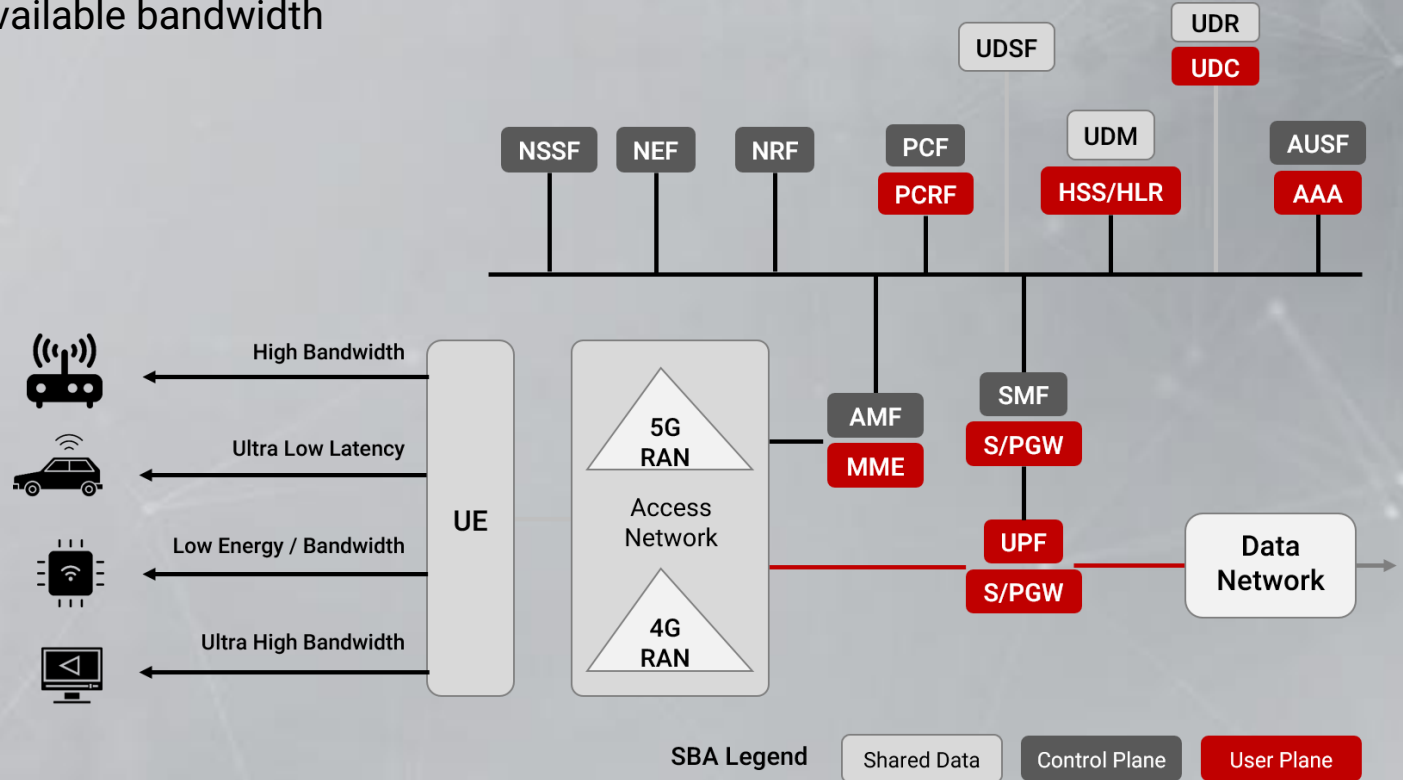
- › 5G technology provides disaggregation, virtualization and control–data plane separation
- › 5G offer Operators, CSPs, Cloud Providers and Enterprises band new opportunities
- › 5G enables various new use cases never thought of before

How ready are we to integrate, test, deploy, and manage 5G network?

5G Testing Essentials

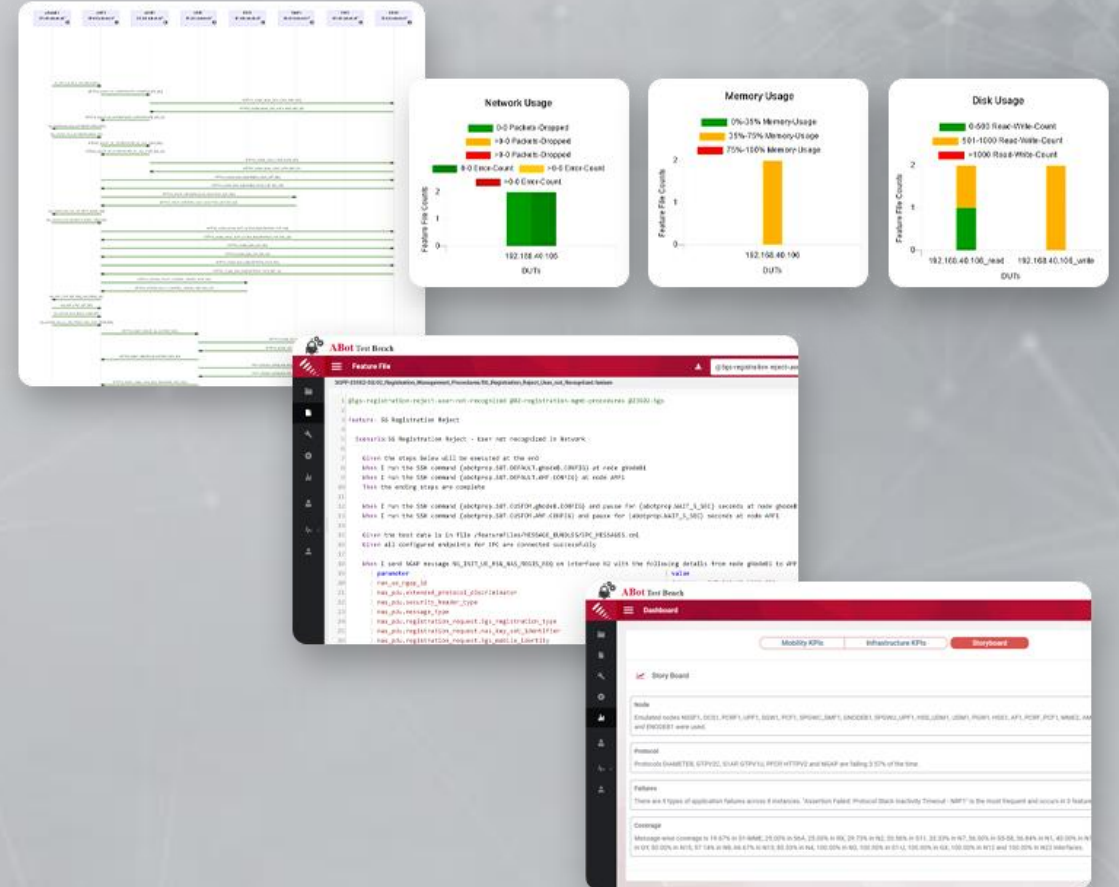
Key requirements of 5G network testing

- › Simulation of hybrid nodes to test **4G-5G migration**
- › **CUPS support** to ensure better utilization of available bandwidth
- › **Compliance to 5G**, 3GPP specifications Rel15 both for NSA and SA mode.
- › Validating **network slicing** use cases with mixed traffic including multi-media
- › Test **load, performance & high availability** conditions from different parts of the network
- › **Cloud native and automatable** to support CI/CT/CD paradigm
- › **User-friendly & intuitive** abstracting complexity of 5G technology
- › **ML analysis** of execution data with an interactive dashboard



Enabling a large team with disparate domain knowledge

- › **End-to-End knowledge of 5G protocol:** Integration and deployment of 5G network involves multi-vendor nodes with numerous interfaces and protocols
- › **Managing and Monitoring Virtualized Infrastructure:** Virtualized architecture demands correlation of application and NVFI performance for optimal solution architecture
- › **Facilitate testing:** Canned e2e test cases that are easy to understand and modifiable by different stake holders facilitated with debugging insight
- › **Root Cause Analysis:** Complexity of 5G deployment demands test results analysis for integration, deployment, and maintaining service assurance



Complete automation

- › **Autonomous Testing:** Plethora of 5G network solutions and its use cases mandate a fully automated integration, testing, analysis and deployment environment
- › **Integration with Orchestrator:** Use case validation against various orchestration layers - Infrastructure, Container, Network, etc.
- › **Ease of 3rd party integration:** 5G network complexity demands a combination of test frameworks and tools; 3rd party integration is essential

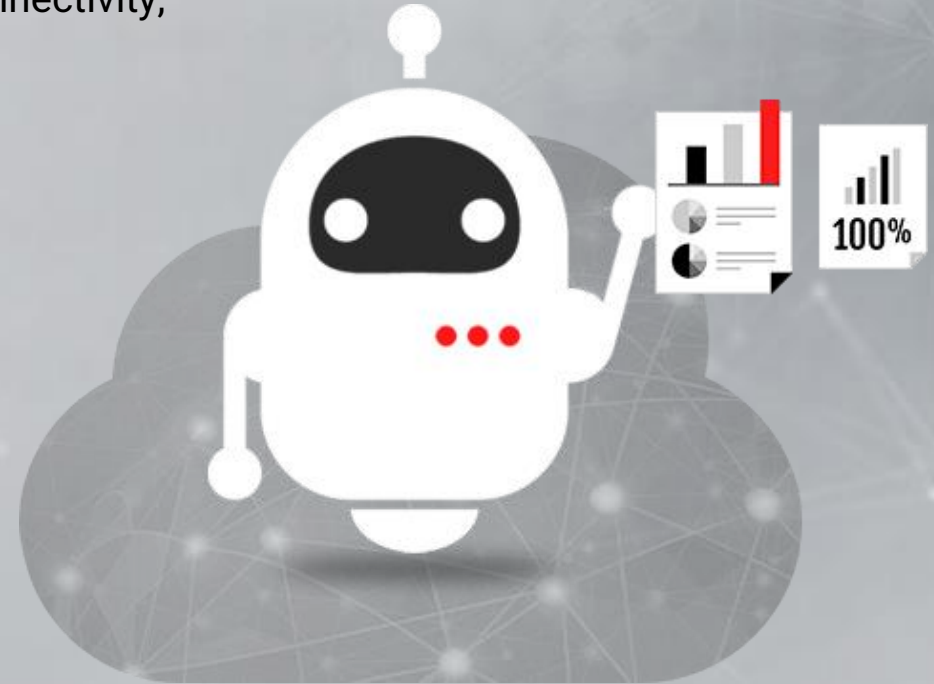


ABot features

- › Test cases in English like DSL language along Smart editor and auto filled option
- › Ready-made use-cases for 4G, 5G SA & NSA, CUPs simulation, dual connectivity, Network slicing support, and a lot more
- › Cloud native, hardware agnostic, and highly scalable
- › Support for ORAN
- › Test result insight using ML driven analytics
- › Analytic dashboard with Infrastructure, Mobility and Performance KPI
- › Extensive REST support for easy integration
- › Test-as-a-Service business model, rental model available

[Learn more about ABot](#)

[Read our 5G Readiness Whitepaper](#)





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