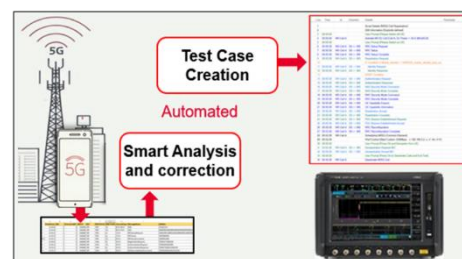


5G Signaling Field to Lab Solution

S8701A protocol R&D toolset on UXM 5G



Accelerate replication of 5G field scenarios in test lab using Field-To-Lab solution

One of the key focus areas of 5G device and network field integration testing is to improve the efficiency of debugging and responding to field issues observed by devices. This demands innovative solutions to meet the challenges of handling field log complexity and automated network configuration validation. Our Signaling Field-To-Lab solution, built upon the foundation of S8701A Protocol R&D Toolset and industry-standard UXM 5G platform, offers a powerful and efficient way to address these challenges, ultimately enhancing the quality and efficiency of 5G service delivery to end customers.

Reduce Import and analysis time, Automate Test Case Creation, and Simplify Debugging

Improve efficiency and turnaround time for field issues and test case configuration variance by using simplified solution for rapid UE Log import and analysis and automated test case creation.

Field Log Complexity

The solution can help dramatically reduce the engineering time spent on analyzing device field logs and then manually converting the signaling and IMS call flow into a test case that can run on test equipment in the lab.

This solution automatically handles partial or incomplete cell parameters, signaling inconsistencies and missing information to generate a complete test case ready to be used on UXM 5G platform.

Automated Network Configuration Validation

Using flexible input format, the solution provides a simplified means to automate the process of importing network configurations from various geographical regions and seamlessly integrating them into the validation workflow for test case scaling.

Keysight knows 5G

Keysight's solutions were first to market for 5G NR test providing a wealth of experience. Continuing enhancements provide test solutions for helping achieve workflow efficiency goals of the wireless industry.

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.



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