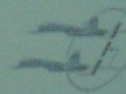


SSJ 100 LGSCU TEST RIG ARCHITECTURE AND TEST PROCEDURE

Design Approach

- ▶ SSJ 100 LGSCU Test Rig will implement Hardware-In-the-Loop Simulation Test System and Automated Test Equipment (HILST-ATE) platform and will be able to run the automated test procedures with minimal human intervention
- ▶ Test Rig will use mainly NI LabVIEW virtual instruments (VI) and modular architecture design, which will cover all parameters under test (PUT) of LGSCU and will be able to work under different operational modes
- ▶ Test procedure of SSJ 100 LGSCU on “board” and “box” level will use State Machine Architecture (Test Sequencer) that simulates standard operation and functional sequence



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