

Infotainment

Test Platform



Averna's innovative Infotainment ATEs handle all integrated technologies like terrestrial and satellite radio, Bluetooth, GPS, I/O, MOST, power and Wi-Fi.

➤ Complete Test Coverage for Infotainment Systems

Today's infotainment, telematics and car radio systems are increasingly sophisticated, offering mobile users a wide range of connectivity, navigation and audio options. With all the new technology and features appearing on the market, OEMs and automakers are racing to integrate them. A key to leading this growing market is fast, comprehensive and efficient parallel testing of all the integrated technologies.

Averna's suite of Infotainment ATEs equips OEMs and other device manufacturers with turnkey test stations that cover all of today's and tomorrow's technologies. Powered by the most advanced and flexible test instruments on the market – and featuring Averna's deep RF and automotive industry expertise – this test solution delivers the quality and throughput you need to reach the market before the competition.

For All Validation, Manufacturing and EOL Testing



We are global test experts

Consult Avera's RF and automotive test experts for developing the best test strategies, deploying the ideal test solution for your budget, or outsourcing some or all of your testing.

Create Intelligent Test-Station Clusters

Avera's award-winning **Proligent** delivers maximum efficiency by enabling you to centrally configure and synchronize all your test stations and manage test execution. It also automatically collects, aggregates and stores all test results, providing key business intelligence via real-time Web-based analytics that accelerate the identification and resolution of quality, yield and other issues.

- **Proligent Analytics:** Includes reports for Yield, Production, Statistical Process Control Analysis, Fail and Repair, Station Utilization, and Listing (unit-level operational history, measurements, genealogy, etc.)
- **Proligent Enterprise Applications:** Optional applications include: Test Package, Fail & Repair, Unique ID, Test Process, and Genealogy

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We are a leading NI Platinum Alliance Partner and have over 50 certified NI LabVIEW™, NI TestStand™, and LabWindows™/CVI™ architects, developers, and instructors on staff.



Features

Avera's Infotainment Test Platform includes state-of-the-art National Instruments modules, the award-winning URT RF Signal Generator, and a software-driven framework for efficiently covering all aspects of your device testing.

- For validation, lifecycle, EMI, manufacturing, assembly, burn-in and EOL testing
- Easy development, operation and traceability for all test sequences
- Simple test-execution consoles and scripting tools
- Efficient test-case management and tracking
- Time-saving parallel testing (up to 4 units simultaneously) and test scheduling
- Intuitive ATE configuration management
- Deep TestStand integration

Benefits

Take advantage of Avera's renowned test expertise, long-standing technology partnerships and innovative solutions in these turnkey systems.

- Accelerate product throughput – via parallel testing and fast switching
- Scale easily to accommodate all test phases, product iterations and future technologies
- Cover end-to-end testing with robust and flexible hardware driven by a lean software architecture and user-friendly tools
- Based on RF and automotive industry best practices for product quality and test productivity
- Can be retrofitted into your existing test installations and software infrastructure
- Supports Proligent, an advanced Test and Quality Management solution that provides consolidated real-time reports and enterprise-wide decision-making support

Testing Capabilities

- AM/FM, DAB, HD Radio, RDS/TMC, Sirius XM
- GPS, Bluetooth, MOST, Wi-Fi
- Cameras and microphones
- Digital/analog I/O
- Audio analysis, auxiliary inputs and speaker
- LIN & high- and low-speed CAN
- Power supplies and amplifiers

CANADA ■ UNITED STATES ■ MEXICO ■ JAPAN

Toll-free in North America: +1 877-842-7577
Elsewhere: +1 514-842-7577

www.avera.com

