

HD RADIO &
SIRIUS/XM
CERTIFIED

AST-1000

All-in-One RF Signal Source
for Infotainment



The only RF solution designed for
Radio, Navigation, Video and Connectivity testing!

Powered by Averna's **RF signal and application expertise**, the **software-defined Averna Signal Tester** is ideal for validating **all** common infotainment **protocols** and easily **evolves** as your test needs change.

 **Averna**



Generate radio signals

The AST-1000 supports all common RF signals including AM/FM, DAB, DRM, HD Radio, RDS, and Sirius/XM. For each RF toolkit users can easily configure and test parameters such as RF power, frequency, power units, total deviation, phase, etc.

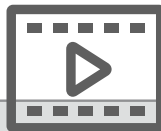


The AST Console provides quick access to the radio toolkits.

All-in-One Power

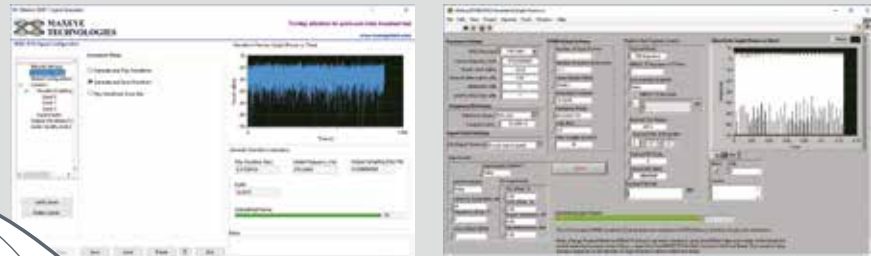
Infotainment systems contain and must seamlessly interoperate with dozens of technologies – and many global standards – for entertainment, navigation, communication and safety purposes, and they also need to deliver excellent user experience.

This creates many challenges for developers and OEMs. The AST-1000 provides them with a flexible, all-in-one solution for quick and comprehensive system validation, as well as tools for functional and EOL testing.

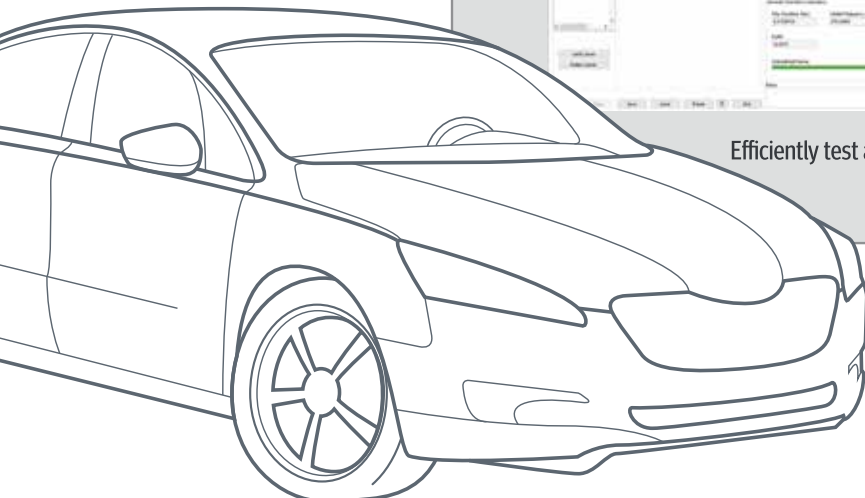


Generate video signals

The AST-1000 offers many digital video and audio toolkits for testing all major worldwide protocols such as ATSC, CMMB, DTMB, DVB, and ISDB-T.



Efficiently test all your digital video and audio features.





Simulate GNSS signals

AST-1000's GNSS Simulator enables you to simulate and test all major navigation standards like BeiDou, Galileo, GLONASS, GPS, and QZSS, covering both standard performance and corner-case scenarios.



Simulate countless navigation scenarios to validate product performance.

A Scalable, Future-Proofed Solution

The AST-1000 is based on National Instruments' PXI platform and can handle all of today's infotainment RF and non-RF test needs while also easily accommodating changing standards, new protocols and additional applications for wide-ranging product test and validation needs.



Test connectivity protocols

By leveraging LabVIEW toolkits for module-level validation, the AST-1000 can generate various wireless connectivity signals such as Bluetooth, LTE, WCDMA, and WiFi.



Generate and analyze the most common connectivity standards.

Averna
AST-1000
Infotainment
RF Signal Transceiver

