FEATURING
NI VST

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 test expertise** and the **NI VST**, the software-defined **Averna Signal Tester** is ideal for testing **all** common infotainment **RF signals** and it easily **evolves** as your test needs change.

Averna

AST-1000

All-in-One RF Signal Source for Infotainment

Generates Most Popular RF Signals

- AM/FM
- DAB/DAB+/DMB
- HD Radio (IBOC)
- RDS/RBDS (1 or 3 Channels)
- Sirius XM – Type Acceptance Part 1 and Manufacturing
- TMC–RDS
- GNSS simulation (GPS, Galileo, GLONASS, QZSS, BEIDOU)

Averna RF Instruments

RP-6100 Series: Multi-Channel RF Record & Playback
Powerful, cost-effective RF solutions for capturing GNSS, WiFi, LTE & more

RF Studio: RF Record & Playback Software
Easily record and analyze RF, audio and video as well as NMEA data

URT-5000: RF Player and Signal Generator
An all-in-one solution for repeatable testing with generated and real RF

Send the Right Signals to the Market!

Featuring Averna's leading RF and test expertise, the software-defined AST-1000 is powered by the NI VST (second generation) and can generate all common RF signals, including AM/FM, DAB, HD Radio, Sirius XM, and GNSS (GPS, Galileo, GLONASS, QZSS, BEIDOU). This all-in-one solution is ideal for validating automotive infotainment systems.

Most Versatile RF Instrument Available

Due to the AST-1000's FPGA-based design, this software-defined instrument will soon be able to accommodate new signals too – including Connectivity protocols like Bluetooth and WiFi, and non-RF signals like CAN for bus monitoring.

Key Features and Benefits

- Supports all common broadcast radio and navigation protocols
- Multi-constellation and multi-frequency GNSS Simulator powered by M3 Systems
- FPGA framework easily accommodates new signals, saving on instrument costs
- Easy-to-use API and user interface for quick signal generation and easy test setups
- Flexible PXIe architecture allows integration of other applications/cards
- Rackmountable, it handles lab validation as well as functional and EOL testing
- Easy calibration, simple maintenance, and global support
- Standardized APIs for seamless upgrade from older Averna RF signal-source products

Averna

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m3 SYSTEMS

NATIONAL INSTRUMENTS Platinum Alliance Partner