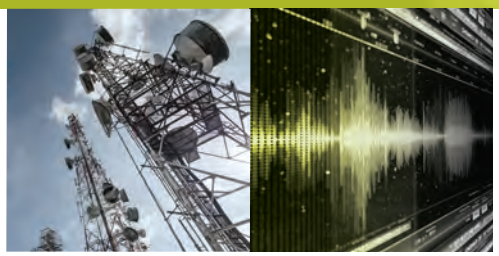
RF Studio™

Software Solution







Visualize, **capture** and **play back** the entire real-world **RF spectrum** to **accelerate receiver designs** and get to market fast.

Averna



RF Studio™
Software Solution

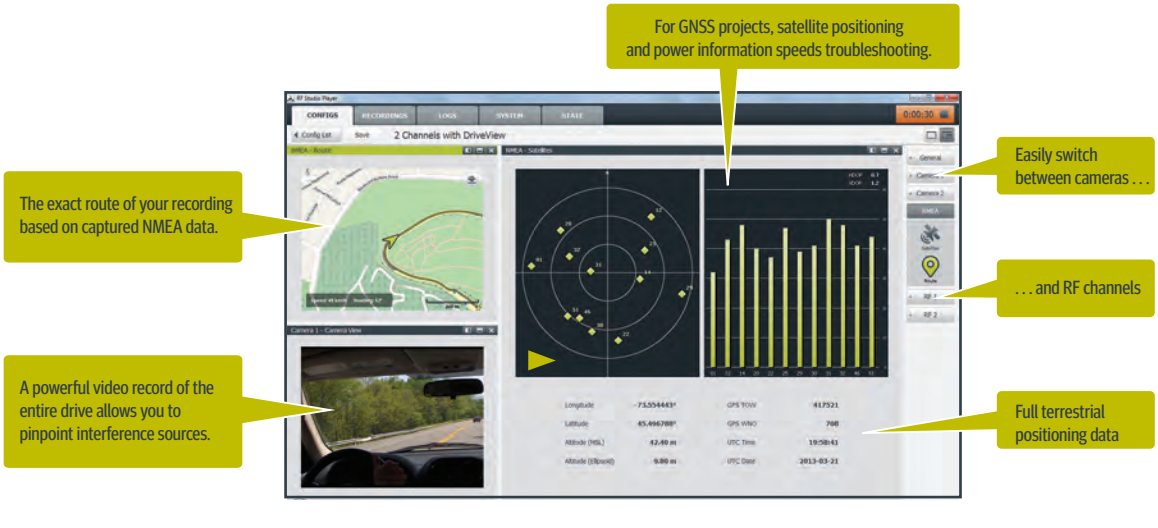
Key Features

Powerful RF record-and-playback software to capture the real-world RF spectrum, including GNSS, radio, video and connectivity.

→ Need an all-in-one solution to record RF signals?

Today's RF experts, engineers and scientists need a comprehensive RF record-and-playback solution to accelerate their product design, validation and research projects. That's because there's no substitute for working with real-world RF signals and impairments. They provide the accuracy and repeatability not possible with drive tests or simulations.

Available on portable, desktop and rackmount platforms, RF Studio features smart RF-chain configuration, signal templates, and a handy noise figure to visualize signals and optimize gain. Within minutes you'll be recording and storing radio, video, connectivity and/or navigation signals for in-depth, repeatable analysis and testing.



→ Build a Complete Signal Library with RF Studio

Use the built-in signal templates or create your own for quick setup and recording. With the **noise figure** feature you can record weak signals and optimize gain. The **spectrum**, **power**, and **histogram** views offer the ability to visualize all signals of interest, while the DriveView™ module provides a complete visual and contextual record of your recordings.



Validate Your RF Receiver Designs Faster Than Ever

If you're doing traditional field-testing of RF receivers, you know how time-consuming and costly that can be. Environmental conditions, satellite positions, solar events and interference are highly variable and almost impossible to reproduce.

With RF Studio on one of Averna's RF record and playback systems, capture hours of real-world RF signals. Accurately and consistently validate receiver design changes, and accelerate product-development. This saves the high costs and inconveniences of repeated trips to the field while providing reliable and repeatable data.





Visualize real-world signals with the noise figure, spectrum, power, and histogram views.



Perfect for capturing RF and impairments in urban canyons, tunnels, forest canopies and mountains.

Averna RF Instruments



RP-6100 Series: Multi-Channel
Powerful and flexible solutions for capturing GNSS, WiFi, LTE & more.



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



RP-6500: Wideband Record and Playback
All-in-one RP Solution with Real-Time GNSS Simulation and SATCOM signal generator for advanced Satellite Navigation applications.

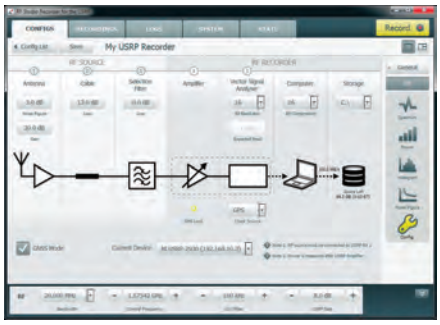


AST-1000: Infotainment Signal Source
All-in-one RF signal source designed for flexible infotainment testing.

→ Key Features

Powerful RF record-and-playback software for capturing real-world RF spectrum, including GNSS, radio, video and location data; LabVIEW plug-in support, noise figure, spectrum, power, histogram views, DriveView module; available on Averna's AST-1000, RP-6500, RP-6100 and URT-5000.

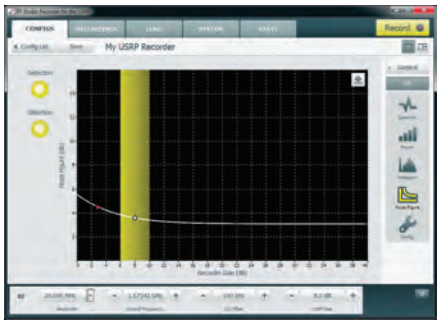
→ Powerful RF Workflow and Productivity Tools



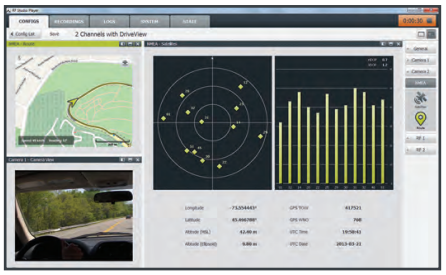
Intuitive and easy-to-use HMI to configure the RF chain



See your complete RF signal recording information in real-time



Easily configure the system for signals under the noise floor



Capture complete video, and NMEA data with your signal of interest

IMPORTANT LEGAL NOTE: Every country has different laws governing the transmission and reception and/or recording of radio signals. Users are solely responsible for using their R&P/URT in compliance with all local and applicable laws and regulations governing the transmission and reception and/or recording of radio signals. Averna Technologies Inc. does not accept liability for such use of our products. Averna recommends that you determine what licenses may be required and what restrictions may apply prior to use.

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SYSTEM INTEGRATION