

AiRFinder® is a specialized surveillance solution for easy identification and location of interference sources which frequently disturb ground and on board navigation systems.

# AiRFinder®

A solution for easy interference sources identification and location.

AiRFinder® (Airborne RFI DEtection and Radiolocation) is the result of a 10-year collaborative development partnership between the French DTI-Flight Inspection Service and CGX.

This solution is designed for direct identification of jamming source (jamming frequency, jammer location and owner of the radio jamming signal).

## RFI source identification

- > Unified interface to monitor receivers, display, results, and environment data.
- > Real-time analysis and recording.
- > User friendly environment: ergonomic command tools and adapted command interface.

## Versatile hardware tool

- > Direct spectrum analyser communication/bridge (R&S analyser compatibility EB200, PR100, EM100 & ESMD, DF compatibility MDF124, EDB195, CubicDF & homemade DF).

## Customizable data storage

- > Multi-parameter data storage, tabulated text output, KML Google Earth export summarizing all signals received at each point of the flight path.

## RFI source location

- > Based on the GIS data environment and the dedicated embedded radios and antennas database; jamming source identification and location are available immediately at the end of the mission.

## Post-treatment opportunities

- > Replay of stored scenarios, trace of jamming evidence.

## GIS based environment data information

- > External application for GPS data (through data socket) or within the software, GIS based data display, FM broadcast database (radios and antennas).

## Dedicated frequency selection

- > Customizable detection method, demodulation selection, IF filter bandwidth selection, span customization, threshold detection selection.

## Audio recording tools

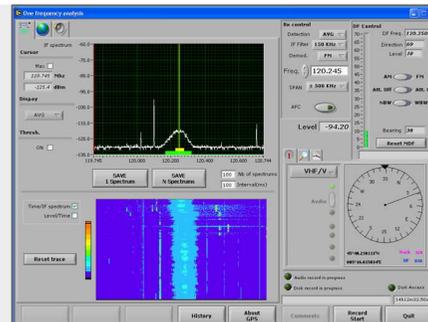
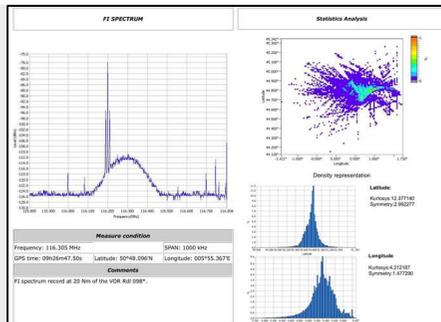
- > Audio Spectrum recording (demodulation from TCP/IP receiver direct to mp3 encoding), real-time filtering for optimization for the record, last 2 minutes recording one click shortcut (useful during a flight inspection).

## Spectrum analysis Replay of stored scenarios, trace of jamming evidence.

- > Global direction frequency finder band coverage, present band available (NAV, ATC, L1, L2), 900 pts/sec refreshment time, S/N ratio exportation. of stored scenarios, trace of jamming evidence

## Mission management tool

- > This feature makes it possible to fully specify and prepare the flight inspection mission on the ground and provides a full automated report of the mission immediately after its conclusion. The report contains mission data and also evidence of the jamming culprit.



Speak with a product specialist

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