WAVERONNE

REAL-TIME DETECTION

Interference Scout

SMART INTERFERENCE SCOUTER



Measurement Insights

- Wideband RF monitoring (100 MHz - 5 GHz)
- Real-time spectrum analysis
- Spectrum & 2D waterfall visualization
- Fast interference hunting 10GHz/Sec
- Peak search and signal markers

Fit

- Light-weight <1Kg
- Palm Size
- Heavy-duty metal body
- Touch Screen
- Portable standalone device
- IP65 Protection

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Interference Scout

SPECIFICATIONS

WAVERONNE Interference Scout is a compact, ultra-portable tool engineered for fast, real-time RF interference detection and spectrum analysis. Designed for telecom engineers, regulators, and field technicians, it delivers instant insights into signal behavior and interference sources.

This powerful, stand-alone device fits in the palm of your hand and provides direct control and real-time visualization—no external host required—for unmatched simplicity and efficiency in the field.



REAL-TIME SPECTRUM ANALYZER	
Technology	Real-time spectrum analyzer
Frequency Band	100 to 5000 MHz
Representation	Spectrum & 2D waterfall visualization
Span Settings	10 MHz to 1500 MHz
Sensitivity	-100 dBm @ 100 kHz RBW
Scanning Speed	10 GHz/s
RBW	100 kHz
Instantaneous BW	10 MHz
UI Aids	Markers, Peak Search
User Control	Touch screen
Battery Operation	~3 hours
IP65 Protection	✓
Operating Temp	-20 to 50 °C
Relative Humidity	<80% @ 0 to 35°C and >70% @ 36 to 50°C

Interfaces:

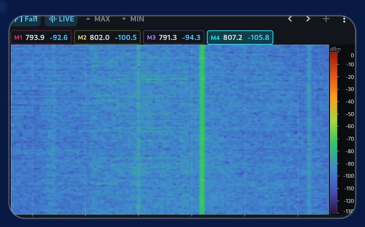
- DC input power
- RF Input: SMA connector

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Interference Scout

FEATURES

Beyond seeing the spectrum, Interference Scout records where, when and in which direction every signal was measured, and turns each session into a report you can share. Everything runs on the device itself, with no laptop required.



01

Waterfall Display

Shows how the band changes over time, so intermittent, hopping and bursty interference stands out. Spectrum and waterfall can be shown together.



02

Real-Time Spectrum

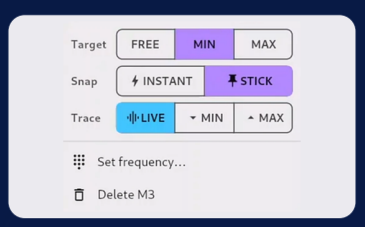
Live spectrum from 100 MHz to 5 GHz. Set start and stop frequencies, and fit the scale to the signal in one tap.



03

Max / Min Hold

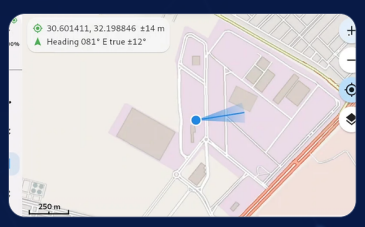
Live, Max-hold and Min-hold traces side by side, to catch short bursts and see the true noise floor.



04

Advanced Markers

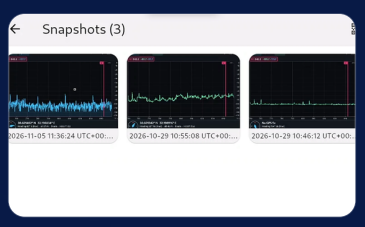
Up to four markers that lock onto a peak or minimum, stick to a signal or sit on an exact frequency, with live, max and min readings.



05

Maps & GPS

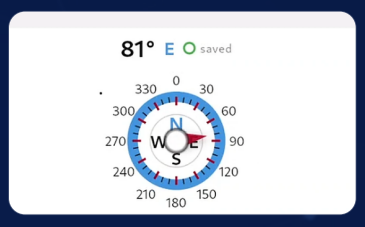
Your position and heading on a map, with accuracy shown, so you know exactly where every measurement was taken.



06

Snapshots

Save the current view with date, time, GPS position and heading. Snapshots are included in the PDF report.



07

Compass

Shows the direction the antenna is pointing, and saves the heading with every reading to help take bearings on a signal.



08

Data Logging

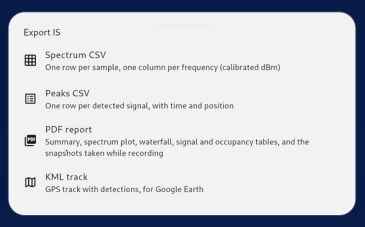
Records each session sample by sample: time, position, altitude, heading, noise floor, peak level and frequency, and calibrated levels across the band.



09

PDF Report

A ready-made report with session summary, spectrum plot, waterfall, signal and occupancy tables, and the snapshots taken while recording.



10

Multiple Export Formats

Export as Spectrum CSV, Peaks CSV, PDF report, or a KML track with detections for Google Earth.



11

Remote Access

Built-in Wi-Fi lets you view and control the device interface remotely from another screen.

Detect. Analyze. Locate. Report.

From first sweep to final report,
all on one handheld device.

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Interference Scout

IN THE BOX



STANDARD PACKAGE		
Item	**Description**	**Qty**
Interference Scout (IS-045)	Handheld, standalone real-time spectrum analyzer with touchscreen	1
Directional antenna	For tracking down interference sources	1
AC/DC charger	Charges the built-in battery through the DC input	1
Carrying strap	Keeps the device secure for hands-free use in the field	1
Carrying case	Protects the kit during transport and storage	1
User guide	Setup and operating instructions	1

WAVERONNE

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