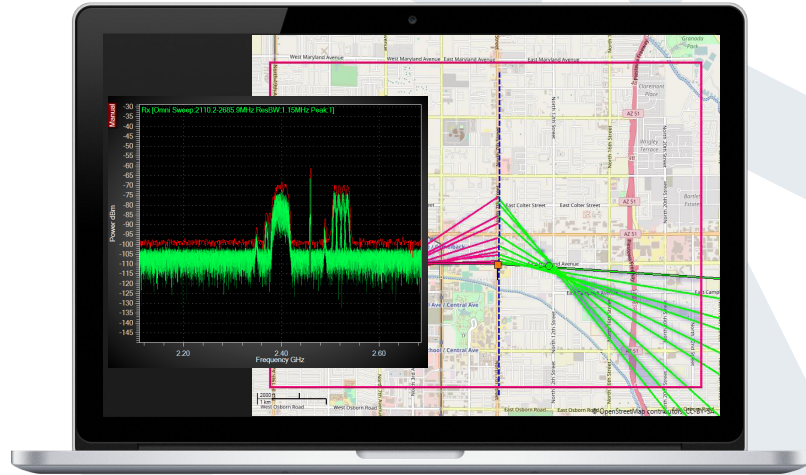


Site



State-of-the-art real-time spectrum monitoring and geolocation software

RFeye Site is the ideal software application for real-time spectrum operations. It provides an easy-to-use interface in Windows for remotely managing networks of RFeye Nodes and carrying out monitoring tasks in real time. As well as providing all the essential spectrum monitoring tools, such as IQ capture and spectra, the software comes with a variety of advanced analysis, visualization, monitoring and mapping tools.

2-D and 3-D maps, satellite imagery and Digital Elevation Models (DEMs) allow Node placements and spectrum data to be viewed in a rich data context. AOA, TDOA and POA geolocation results are automatically overlaid onto maps in real time with update rates of the order of ten times per second.

Multi-mission capability allows multiple users, with their own copies of Site, to run independent tasks on the same Nodes simultaneously. This feature ensures more flexibility in spectrum monitoring operations and maximizes the ROI from your hardware.

Alongside the real-time user tools, there are advanced configuration tools to provide automated alerts and alarms. Post-processing features for analysis of recorded spectrum data, as well as simulation tools for test and training scenarios, further expand Site's agility.



AOA



POA



TDOA



Real-time



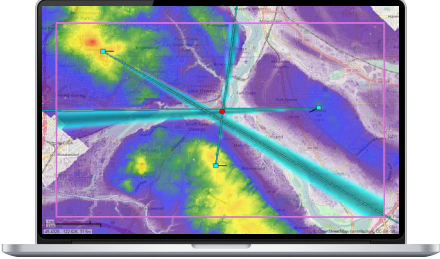
Direction Finding



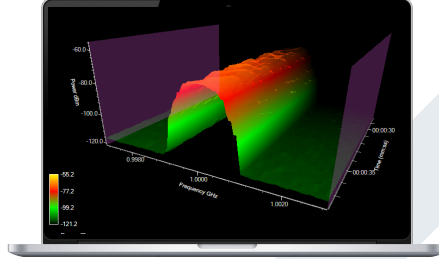
Machine Learning

RFeye Software

Site Key Features



Customize map displays with geolocation results and terrain elevation data



Easily visualize signal power and frequency over time with 3-D waterfalls



Our terrain analysis tool with Fresnel zone overlay ensures optimum receiver placement

Sweep & Capture

Essential tools at your fingertips:

- › Familiar spectrum analyzer interface
- › Charts: IQ capture, spectra, waterfalls

Automation

Reduce man hours:

- › Mask break triggered events
- › Self-learning masks
- › Trigger alarms, geolocations, record

Record and Playback

Analyze at your convenience:

- › Record spectrum data for playback
- › Manual or automated record
- › Analyze and geolocate on recorded data

Platform

- › Windows

Geolocation*

Accurate, convenient, fast geolocation:

- › Combine AOA, TDOA and POA
- › Many targets tracked simultaneously
- › 10 geolocation updates per second
- › Cumulative tracking (track target with single mobile receiver)
- › Geolocate on recorded spectrum data

* Optional extensions

Mapping

Intuitive visualization:

- › 2-D, 3-D maps and satellite imagery
- › SRTM and custom DEMs e.g. LIDAR
- › Nodes and geolocation data mapped

Other features

- › Demodulation of signals (AM, FM)
- › Overlay of spectrum license data
- › Simulation and modelling tools
- › ITU measurements incl. ITU-R SM.1268

File formats

- › Primary spectral data formats are Google Protocol Buffers and CRFS's NCP
- › Additional export formats include Spectrum PNG, CSV UTF8, CRFS XML, CRFS JSON, ITU-R SM.1809, KML and MLog
- › Licensing data can be imported in formats including PUB7, CSV, Unicode Text and JSON
- › ASTERIX output for geolocations

Plugins*

Additional capabilities are also available with our Site plugins:

- › RFeye Map
- › Propagation Analysis
- › Signal Classifier
- › ESRI high-resolution mapping
- › Geolocation: AOA, TDOA, POA+TSCM, 3D TDOA
- › Ballistics
- › Simulation Training Package



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