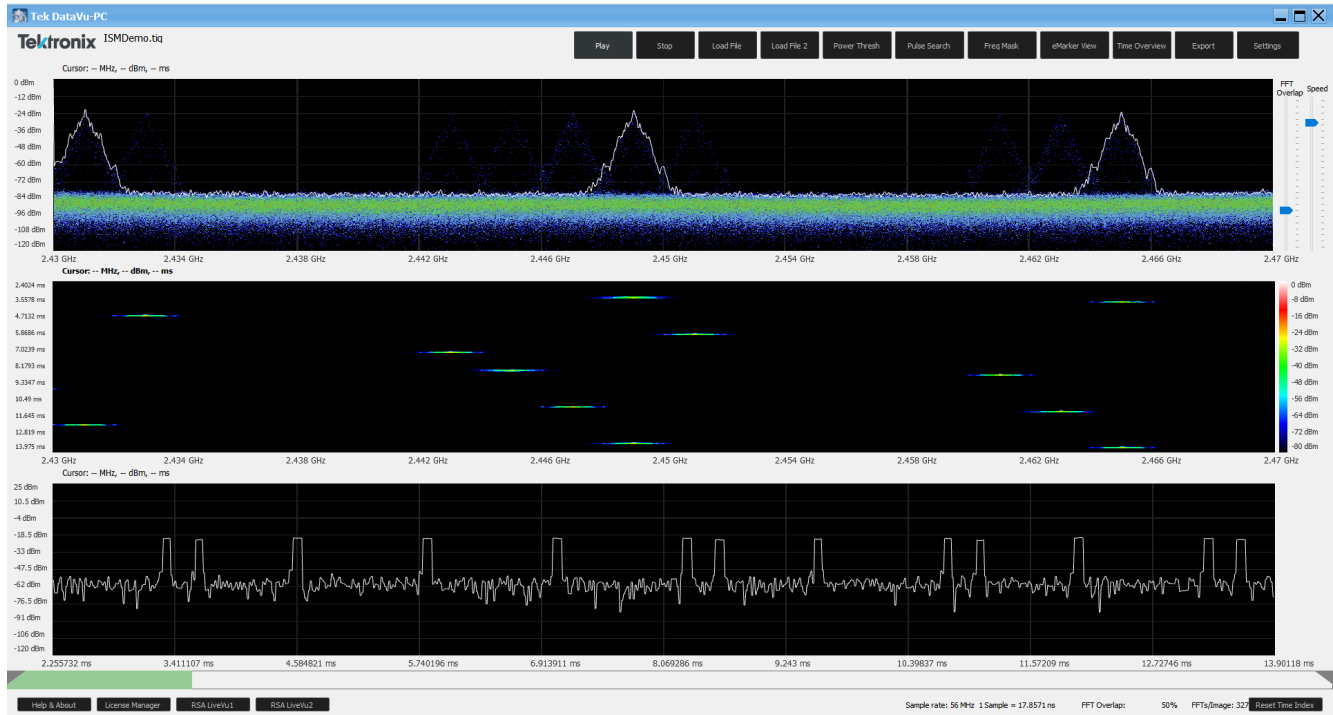


DataVu™

Spectrum Capture, Playback, and Analysis



Display of a Single File Post-Capture

The ability to capture and analyze signals of interest (SOIs) in a crowded spectrum has become progressively more difficult for wireless manufacturers, universities, and government organizations. As spectrum density grows, understanding what is in your environment becomes increasingly complex. A full suite of recording and analysis capabilities is needed to characterize signals in an overcrowded spectrum. Manufacturers of RF equipment need to understand the interaction of their systems on their customer's platforms in addition to ensuring they do not cause unwanted interference to existing systems. Academic institutions require spectrum analysis tools that enable them to keep pace with spectrum trends for training next-generation engineers. Government organizations are continuously challenged by new threats within cybersecurity and require the ability to analyze the spectrum to ensure data security.

Whether deployed on the battlefield or used for research and analysis in a lab, RF sensors must provide the technical capabilities required by the RF environment and mission parameters.

Live capture & unmatched post-capture analysis

DataVu® Software, by Erisys, brings into existence a complete RF Spectrum capture, playback and analysis solution.

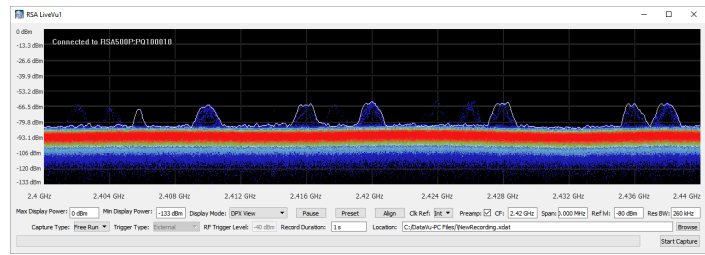
DataVu Applications:

- RF survey and spectrum analysis
- RF equipment manufacturers
- Regulations compliance by regulatory agencies
- Troubleshooting infrequent events in design
- Interference and jamming detection

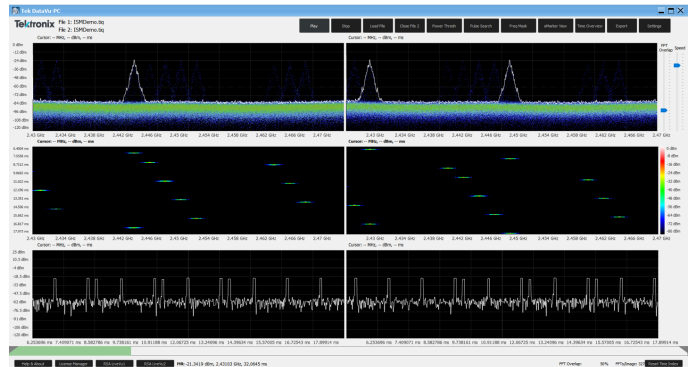
Key Features

- Easy-to-use graphical user interface
- User-customizable marker locations for looping
- Spectrum control for max-hold, continuous loop, window type and decay
- FFT with programmable overlap and speed control
- Selectable window shaping for plotting frequency domain
- Signal search based on amplitude events or pulses
- View search results in table or graphical formats
- Moving average filter smoothing points and reducing false positives
- Visual search using Time Overview – signals must be above threshold for a defined number of samples to be considered a pulse
- Export to other programs
- Triple output display of spectrum, spectrogram and power Vs. time

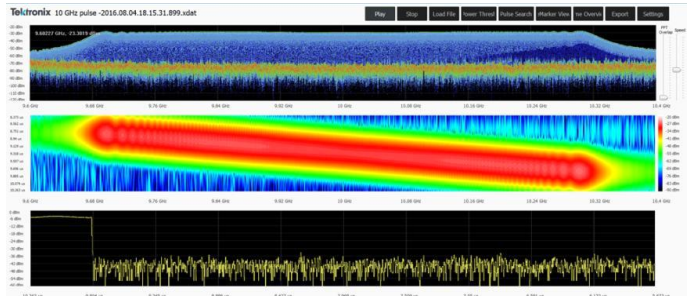
Display of Signal During Recording



Dual Files Post-Capture



Triple Display of Spectrum, Spectrogram, and Power Vs. Time



Display of Pulse Post-Capture

