

# See Mission-Critical Signals Others Miss



## Detect with Confidence in a Critical RF Environment

Low-cost drones have created a persistent, unpredictable RF threat. But detecting their intermittent, low-power signals remains difficult—many systems lack real-time visibility, require significant effort to implement reliable monitoring, or are too complex and costly to deploy at scale.

The RSA306B addresses this gap as a calibrated, real-time RF sensing node—capturing transient signals others miss while integrating directly into your distributed monitoring system, enabling teams to detect, capture, and act on critical RF events with confidence.

## Confidence. Visibility. Deployment—Where Others Fall Short

Critical Requirement	Conventional / SDR-Based Systems	RSA306B Real-Time RF Node
Measurement Confidence	Uncalibrated or variable measurements reduce trust in detection and validation	Calibrated hardware delivers trusted, repeatable measurements for high-confidence decisions
Detection of Critical Signals	Swept or non-real-time approaches can miss short-duration, intermittent, and frequency-hopping signals	Real-time DPX captures transient, low-power signals as they happen—no missed events
Integration & Deployment	Requires building real-time processing, triggering, and workflows from scratch	Real-time FFT, DPX, and triggers available via API—deploy as a flexible RF sensing node across distributed systems



### How It Works: From Detection to Action in Defense and Security Workflows

Add calibrated, real-time RF sensing to your system—without building the real-time engine from scratch.

<p><b>STEP: 1</b> <b>Monitor</b></p> <p>Continuously observe the RF environment across broad signal classes with real-time visibility.</p>	<p><b>STEP: 2</b> <b>Trigger</b></p> <p>Use DPX Density Trigger, frequency mask, time, or power-based workflows to isolate suspicious events.</p>	<p><b>STEP: 3</b> <b>Record</b></p> <p>Capture activity for post-event review, evidence handling, or deeper signal analysis.</p>	<p><b>STEP: 4</b> <b>Alert</b></p> <p>Feed event data into your integrated platform, operator console, or automated response layer.</p>	<p><b>STEP: 5</b> <b>Analyze</b></p> <p>Use SignalVu-PC and recorded data to investigate the event with less guesswork and more confidence.</p>
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# RSA306B Real-Time Spectrum Analyzer

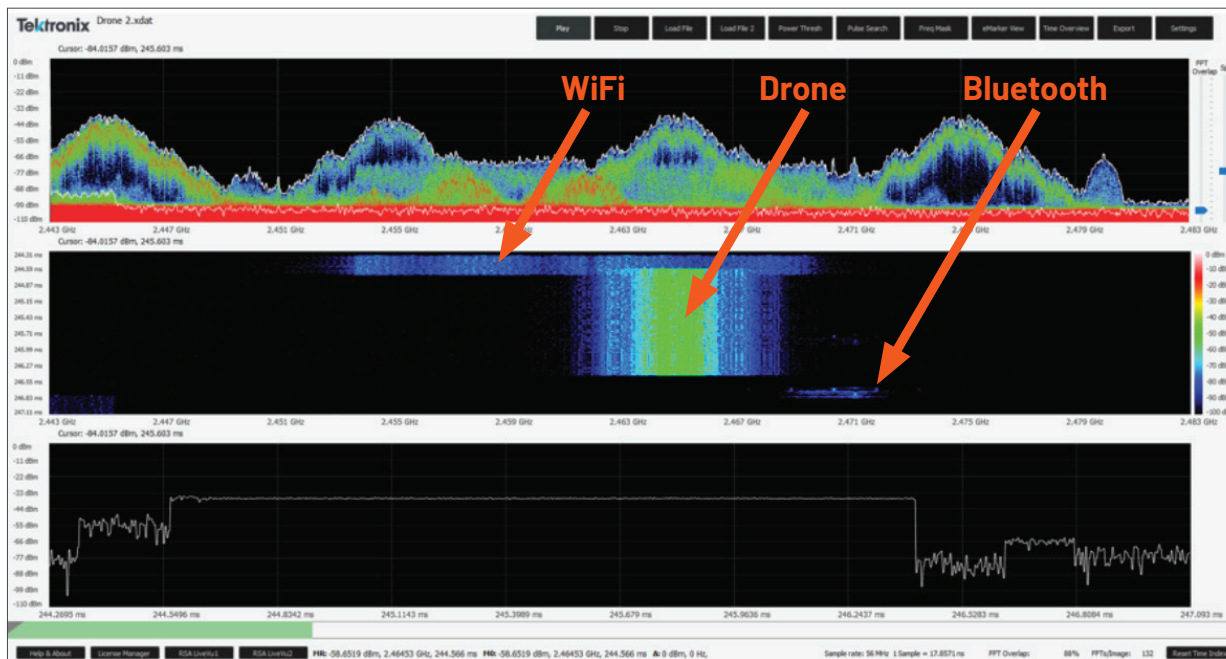
## Compact. Calibrated. Real-Time. Integration-Ready.

The RSA306B enables calibrated, real-time RF sensing within defense and security monitoring workflows—supporting detection, capture, and analysis of critical signals with speed and confidence. It provides a practical path to integration with advanced triggering, recording, and seamless API access.



### Key Capabilities:

- Real-time spectrum analysis (40 MHz bandwidth) for continuous monitoring
- DPX® technology for detecting transient and low-power signals
- Advanced triggering and recording for automated event capture
- I/Q data capture for deeper signal analysis and investigation
- API access for seamless integration into custom systems
- Compact, deployable form factor for fixed-site or distributed node architectures



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