# OV Upstream Analyzer

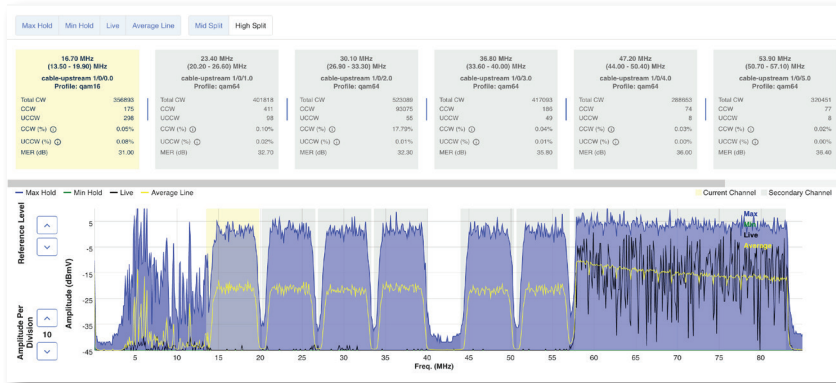## The Best Headend/Hub Site Spectrum Analyzer is the One You Already have – Your CMTS.

OpenVault's Upstream Analyzer offers a cost-effective solution, requiring no headend cable or expensive hardware to monitor every CMTS or RPD upstream port. In addition, it provides 100% accurate data without interfering with CMTS operations.

### Enhance Network Performance and Deliver Higher QoE with an Ability to:

- Monitor every upstream port 24/7 without impacting CMTS/RPD operation
- No need for headend cable or expensive hardware for comprehensive monitoring
- Detect ingress under the carrier without disrupting cable modem frequency
- No CMTS port limits or headend real-estate required
- 100% accurate, not an estimate of what the CMTS is seeing like competitors
- Leverage your existing upstream analyzer investment in your CMTS





*An upstream triggered spectrum capture (UTSC) upstream analyzer with persistence mode and channel details, such as codeword errors and RxMER per channel*

## Upstream Monitor

### Identify transient impairments when you aren't around.

The OV Upstream Analyzer runs in the background and stores data so that you can view historical return path data at your convenience. Why? Because plant problems occur at inconvenient times. With an easy-to-use interface that displays a history of your return spectrum, you can play back upstream history or view by scrubbing up and down with easy navigation bar.

### Applications:

- Addresses upstream ingress
- Prioritizes repairs with node ranking focusing on poorest performing nodes
- Instantaneously detects modems with codeword errors to resolve impairments
- Reveals impairments overlooked by other spectrum analysis tools
- Shows linear and nonlinear impairments
- Maintaining QoE and network reliability controls costs and increases revenue

### Benefits:

- Cutting-edge data analysis storage
- Combines vital spectrum and cable modem upstream analysis
- API-enabled for seamless integration
- Instantaneous RF and data metrics based on subscribers' DOCSIS® data
- Polls and passively collects statistics from the DOCSIS network
- Device status collection and display
- Eliminates the need for dedicated spectrum for return path impairment troubleshooting

### Features:

- Upstream Monitor with UTSC, including persistence and spectrogram views
- Support for noise floor reductions (5 MHz to 204 MHz frequency range, 45 dB dynamic range)
- Heatmap spectral display

## 10+ YEARS OF INDUSTRY LEADERSHIP

OpenVault serves 150+ broadband operators in the North America, Europe, Asia Pacific, Latin America and Caribbean markets. We've helped them improve annual revenue by 100s of millions of dollars and we do so for more operators than any other broadband-focused software vendor in the world. No other company knows more about broadband subscriber usage behavior and how to use network data to drive revenue, reduce costs, better manage networks and improve customer satisfaction and retention than OpenVault. Contact us at [sales@openvault.com](mailto:sales@openvault.com)

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