

## OV PNM and OV PMA Broadband's Leading Combination to Optimize Network Performance

OpenVault's unique ability to leverage IPDR, SNMP, RxMER and other types of data to diagnose the root cause of network problems, combined with broadband's only set of Proactive Network Maintenance (PNM) and Profile Management Application (PMA) software solutions, help broadband providers optimize the capacity and resiliency of their DOCSIS® 3.1 networks. This delivers happier subscribers, more efficient operations and the extension of the life expectancy of the network.

### REDUCED OPEX & CAPEX EXPENDITURES

- Detect plant faults before the customer calls you and reduce churn
- Reduce resolution time and repeat truck rolls - up to 45% typical
- Approximately 70% of the proactive troubles are repaired on the first truck roll
- Save Money with the mobile app and reduce the need for test equipment and yearly recalibration
- Evaluate your ROI on contractors' cable modem installs with cable modem installer
- Make sure RF levels and Micro Reflections are good before you leave the premise for no return visits from the install and reduce churn
- Successfully manage your CSRs and Field Force
- Reduce Network sweeps

OV PNM

OV PMA

### DYNAMICALLY CREATE BANDWIDTH WITHOUT HUMAN INTERVENTION

#### CAPEX SAVINGS

- Automatically identify and deliver the optimal set of OFDM/OFDMA profiles for improving bandwidth without the expense of line drops or other network build-out costs

#### OPEX SAVINGS

- All configurations are determined and implemented automatically and remotely
- Less time needed for engineers to monitor, customer service to handle QoE issues, less time for technician installations, and overall fewer truck rolls

50%

DECREASE in repeat calls and reduced churn within 1st 60 days

80%

REDUCTION in Immediate Action Modems

15%

REDUCTION in Critical/Red Modems

25%

REDUCTION in Cable Modem Troubles per 100 Customers

INCREASE NETWORK RESILIENCY

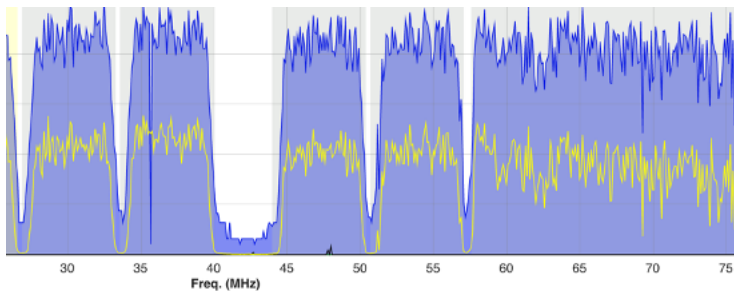
by bonding DOCSIS 3.1 modems to OFDM(A) channels

40%

INCREASED CAPACITY over baseline configurations in both upstream and downstream

IMPROVE FINANCIALS

Hold off on node-split investment  
• Reduce contact with customer care



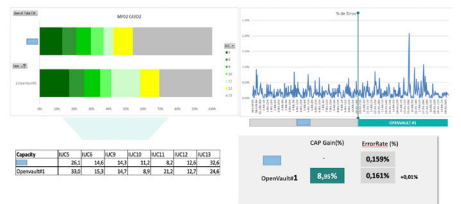
able-upstream 1/3/12.0 MER: 36 dB    cable-upstream 1/3/13.0 CCW: 0.17 dBmV    cable-upstream 1/3/13.0 (U)CCW: 0 dBmV    ca  
le-upstream 1/3/14.0 MER: 36.8 dB    cable-upstream 1/3/15.0 CCW: 0.36 dBmV    cable-upstream 1/3/15.0 (U)CCW: 0.07 dBmV    cal

Analyze performance by frequency

Upstream Traffic Before OV PMA



Upstream Traffic After OV PMA



## 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)