OV Advanced PMA™
Supercharge your DOCSIS 3.1 Network Investment with Profile Management Application

Finally, a closed-loop and automated data-driven solution that dynamically creates bandwidth without human intervention. Through persistent analysis of data from each CM and CMTS, our OpenVault Advanced Profile Management Application (OV Advanced PMA™) learns the state of the system and creates profile sets tailored to the unique real-world environment of each OFDM/OFDMA channel – essentially creating "virtual node splits" and opening up more usable bandwidth. Now you fully benefit from investment in your DOCSIS 3.1 network by improving performance and visibility without incremental capital investment.

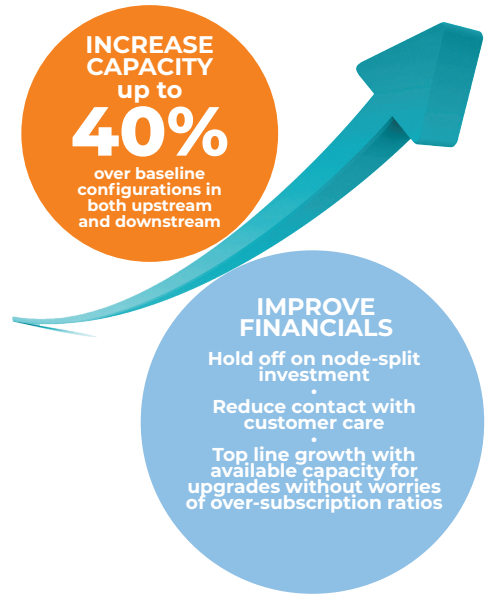## OV Advanced PMA Delivers

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

TOP LINE GROWTH
- Greater bandwidth allows for upgrading subscribers to higher speed plans on existing infrastructure generating greater ARPU

INCREASE CAPACITY up to 40% over baseline configurations in both upstream and downstream

IMPROVE FINANCIALS
Hold off on node-split investment
•
Reduce contact with customer care
•
Top line growth with available capacity for upgrades without worries of over-subscription ratios

OV Advanced PMA Functionality

ENVIRONMENT
- Works with DOCSIS 3.1 Networks
- Learns current state from CMTS/R-PHY & CMs
- Optimizes all OFDM / OFDMA channels
- Creates CMTS-specific configurations

FEATURES
- Measures and displays % gain in bandwidth each cycle on a per-channel, CMTS, and system-wide basis
- Gathers a wide variety of data including RxMER, FEC from CMs and CMTS topology data

- Creates a tailored set of per-subcarrier profiles for each OFDM / OFDMA channel – around 10^{57000} combinations per channel
- Solves this difficult problem in record time – milliseconds per channel
- Proactive alerts for LTE ingresses, suck-outs, roll-offs and more!

INDUSTRY LEADERSHIP FOR OVER A DECADE

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

OPENVAULT

Not all PMAs are Created Equal

Only Advanced PMA™ from OpenVault delivers optimium speed for all subscribers

PMA Performance COMPARISON

	Advanced PMA™ from OpenVault	Basic PMA Often bundled w/CMTS
VENDOR AGNOSTIC closed-loop, automated data-driven, AI-Powered & intelligent software solution	✔	X
FULLY INTEGRATED w/PNM to provide capacity optimization & impairment identification w/prioritization of network repairs	✔	X
WORKS OUTSIDE THE CMTS to create additional profiles and then assigning them to the CMTS	✔	X
OPTIMIZES modulation profile for each OFDM/OFDMA channel and assigns profiles to modems	✔	X
MAXIMIZES CAPACITY & INCREASES RESILIENCY through continual granular analysis, calcuation & evaluation of each modem & changing plant conditions	✔	X

Simplify, Automate, Optimize: Your Most Resilient Network Awaits with Advanced PMA

With Advanced PMA™, OpenVault is the only vendor providing holistic, non-hardware PMA that ensures the highest speeds are available to *all* subscribers. Maximize the ROI on your DOCSIS 3.1 network, increase resiliency, and deliver higher broadband speeds. The dynamic creation of highly optimized modulation profiles with granular application by the CMTS is what makes OpenVault PMA the most effective solution available.

OV Advanced PMA is part of the Vantage suite: the broadband industry's only integrated and ready-to-deploy PMA, PNM and congestion management solution.

Contact OpenVault to learn more or for a demonstration. When it comes to your DOCSIS network, you should see what we're seeing.

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