



Easy and Affordable Proactive Network Maintenance



PreEqualization Analyzer is a web-based, DOCSIS PNM application that will change the way you approach plant maintenance. Rather than repeatedly rolling trucks in a reactive, trial and error search for the problem each time a customer calls, you can address issues proactively and benefit from increased efficiency, reduced repair times, and fewer unplanned outages.



Find and Fix Upstream Impairments Before They Impact Subscribers

PreEqualization Analyzer collects and analyzes the pre-equalization data from your CMTS and cable modems and automatically identifies modems affected by upstream impairments like micro-reflections and group delay. Distance estimates in the application help determine which issues are in the home or at the drop versus those that are further out in the plant so you can more easily track down the source. Modems impacted by a common impairment are also identified and plotted on the map.



Improve Node Performance and Reduce Unnecessary Sweeps

With PreEqualization Analyzer you can quickly scan an entire node to see any modems that are offline or that have performance issues. You can rescan the node after corrective action is taken to see the impact of that work. Also, our Sweep Analytics Tool allows you to eliminate unnecessary and time consuming sweeps in the field. With one click take a baseline snapshot of a node. Later, one more click initiates a virtual sweep that shows you any significant changes that have occurred in the downstream or upstream signal on each device since the baseline was taken.



Proactively Address Downstream Spectrum Issues

Our SpectraVizion module automatically identifies issues like Suckouts, Roll-off, Tilt, Standing Waves, Adjacency and FM Noise. And, one click displays the spectrum captured that day or from previous days. Devices experiencing similar downstream RF issues are also identified and plotted on the map. No more waiting for your customers to call followed by a blind search in the field for the problem.



Monitor Your Return Path and Identify Sources of Ingress

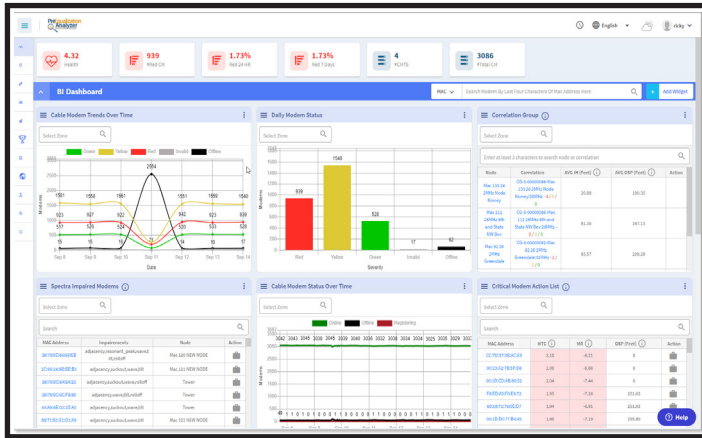
Our Upstream Analyzer module displays live and historical upstream spectrum from your CMTS so you can see your noise floor on any channel and even see ingress under the carrier. And, our Intermittent Modem Report identifies which devices are leaking noise into the upstream plant so you can prioritize which in-home and near-home issues to target first.

Contact Us

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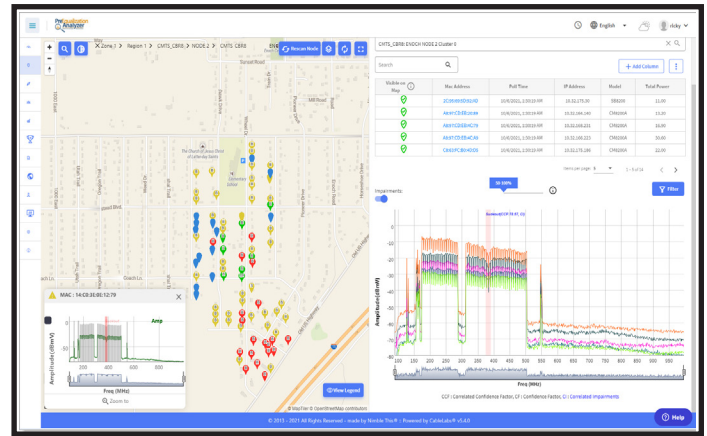
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Powerful and Intuitive Proactive Diagnostics



Business Intelligence Dashboard

A high-level view of your plant and which issues should be addressed first.



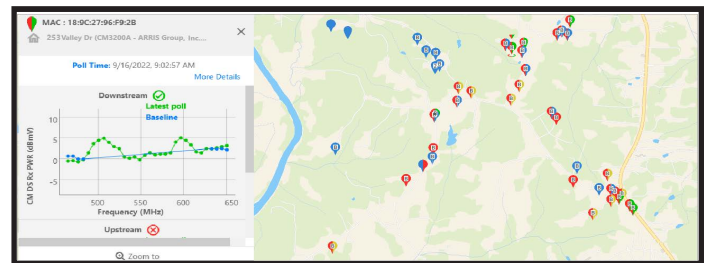
Intelligent Mapping

See the location of individual modems experiencing problems, and groups of modems impacted by the same upstream or downstream RF issue.



Downstream Spectrum Capture

See which devices are experiencing downstream spectrum issues. View the full spectrum from that day or prior days. See devices impacted by the same RF issues.



Sweep Analytics Tool

Reduce or eliminate sweeps. Click to create a baseline of all devices on a node and later do a virtual sweep with one click to see what's changed.



DOCSIS 3.1 Planning and Features

Determine what sections of the plant are ready for DOCSIS 3.1 deployment. Optimize the CMTS to get higher data throughput on the OFDM downstream. Monitor power levels and RxMER on deployed OFDM channels.



Live Return-Path Spectrum

View the live upstream signal right from the CMTS, including ingress under the carrier, and look at the upstream spectrum over time.

