



ARRIS Spectrum Analyzer (ASA)

Release 2.0



- Diagnose plant and cable modem issues
- Runs on a laptop or PC
- ASA Operates with:
 - C3™ CMTS
 - C4® CMTS (Release 5.x)

Application

ARRIS Spectrum Analyzer (ASA) on your Personal Computer (PC) is an extremely useful tool for diagnosing plant and cable modem issues on the fly. It can be used with either the ARRIS C3™ CMTS or C4® CMTS with Release 5.x (DOCSIS® 2.0).

Upstream Spectrum Analysis

Utilizing Fast Fourier Transform (FFT) data from the digital burst receiver, spectrum profiles and power amplitude traces (dBmV vs. frequency) are generated from the FFT data payloads with the following options:

- Entire upstream channel or bursts from a single cable modem
- Real time and historical
- Peak hold
- Band power measurement
- Save to file

Channel Editor

Modify the following upstream channel parameters:

- Channel width
- Center frequency
- Slot size
- Channel type (TDMA, ATDMA, or SCDMA)
- Ranging and transmission backoff
- Logical channels (add, delete or edit)

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Modulation Profile Wizard

Apply default modulation profiles or create custom modulation profiles by specifying parameters such as:

- Modulation (QPSK, 16QAM, etc.)
- FEC T and K bytes
- Maximum burst size
- Preamble length

Modem Statistics Browser

Flap list for entire CMTS, each upstream channel, and individual cable modems. Cable modem summary status:

- Number registered
- Percent online
- Upstream SNR
- Percent of channel capacity utilized
- Busiest users

Modem Browser

Find and ping a cable modem. Browse individual cable modems to retrieve the following:

- Model and firmware load
- Uptime
- Transmit and receive power
- Downstream SNR
- Reset count, lost synchs
- Modulation type, registration mode

www.arris.com

Find more information about the ARRIS Spectrum Analyzer (ASA) Release 2.0 products.

- Product Specifications—ARRIS Spectrum Analyzer (ASA) Release 2.0 Technical Specifications (Publication Code: ASA_TS.pdf)

Customer Care

Contact Customer Care for product information and sales

- United States: 866-36-ARRIS
- International: +1-678-473-5656

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