Harmonic Introduces Industry's First Tunable Laser Return Path Transmitters For HFC Networks

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ANAHEIM, Calif., Nov 28, 2001 (BUSINESS WIRE) --

New Node Digital Return Technology Supports Up To 36 Wavelengths and Increases Upstream Capacity for High Bandwidth Applications

Extending its leadership in digital return path systems, Harmonic Inc. (Nasdaq:HLIT) is introducing the world's first node-based, DWDM, tunable, return path transmitters for HFC networks. Using these transmitters, operators may reduce operating costs and dramatically increase the upstream capacity of a single fiber to support the growing array of bandwidth-intensive and interactive applications, such as high-speed Internet access, cable telephony, video-on-demand, and interactive multi-user games.

The new tunable digital return transmitter family consisting of nine temperature-hardened models, each of which can be hosted in any of Harmonic's PWRBlazer(TM) node platforms, is a key element of a complete high-bandwidth network solution. This solution allows operators to build and manage more cost-effective and scalable two-way communications systems based on a Hybrid Fiber/Coaxial (HFC) CATV network. Each NDT 3059A model uses a wavelength adjustable, isolated, cooled DFB laser that can be tuned in blocks of 4 adjacent wavelengths for support of up to 36 different wavelengths on the ITU grid. This functionality delivers flexible field repair options for the HFC network while lowering the cost of adding of new wavelengths and stocking spares.

"The NDT 3059A enables MSOs to optimize the capacity, flexibility, and return-on-investment of their HFC infrastructure," said Eric Schweitzer, Senior Director of Product Marketing for the Harmonic's Broadband Access Networks Division. "As the demand for bandwidth-intensive and interactive applications increases, return path capacity either enables or impedes access to new revenue opportunities. The completeness and robustness of our broadband products and solutions, such as the NDT 3059A, allow MSOs to more fully realize their business goals."

The NDT 3059A will be displayed at the California Cable Television Association's Western Show November 28-30, in Anaheim, California. Production units are expected to ship in the first quarter of 2002.

NDT 3059A is Part of the PWRBlazer(TM) Family of Optical Nodes

The NDT 3059A digitally transmits two analog streams (5-48 MHz) from any PWRBlazer optical node to either a headend or a hub location. The PWRBlazer(TM) family provides cable broadband network operators with a suite of flexible optical nodes for deploying bandwidth-intensive broadcast and narrowcast services. Harmonic's full line of configurable optical nodes can be used in virtually all cable network architectures, from rural to urban density applications, and is a versatile mechanism for extending fiber deep into the network.

About Harmonic Inc.

Harmonic is a leading provider of innovative broadband solutions that deliver video, voice and data to communications providers around the world. Harmonic's technically advanced fiber optic, digital video and IP data delivery systems enable network operators to provide a range of interactive and advanced digital services that include high-speed Internet access, telephony, digital video, HDTV, video & audio streaming, and video-on-demand.

Harmonic (Nasdaq:HLIT) is headquartered in Sunnyvale, California with R&D, sales, and system integration centers worldwide. The Company has customers in over 40 countries on six continents, including many of the world's largest communications providers. For more information, visit www.harmonicinc.com.

This press release contains forward-looking statements relating to the NDT 3059A, including, but not limited to, its specific features, its anticipated benefits for Harmonic's customers, and its expected availability to ship in the first quarter of 2002, within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. In addition, actual results could differ materially from those projected in the forward-looking statements as a result of the risk factors set forth in documents that Harmonic files with the SEC, including reports on Form 10-K and 10-Q.

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