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Titan demonstrates RFoG Return Path ONT at 2009 FTTH Conference & Expo

FREMONT, Calif. -- Titan Photonics, a market leader in optical components and network subsystem providing excellent engineering and product services, demonstrates Titan , the high performance RFoG Return Path ONT at 2009 FTTH Conference & Expo in Houston Texas.

Titan provides the benefits of a FTTH passive optical network (PON) while maintaining the existing HFC back office systems for MSOs. The product delivers an industry-leading, FTTH option for DOCSIS 3.0 service providers and is fully compatible with the RFoG standards. It is an integral part of the current broadcast & narrowcast video, video-on-demand (VoD), DOCSIS data and voice over Internet protocol (VoIP), and billing support systems (BSS).

The downstream signal at 1550nm is detected through an optical WDM filter, and then received by TV set, cable modem (CM), or set-up box (STB). The upstream laser at 1610nm turns on when the Return Path signal from CM or STB is detected. This burst-mode mechanism reduces optical beat interference among all return-path transmitters. The also features 1310/1490nm bypass option for PON application data port.