

March 2019

San Juan Island fiber results

Coriant 7100 Backbone Overall fiber loss as of 11/01/18
FW7420 Backbone Overall fiber loss as of 11/01/18



CenturyLink®

San Juan Island fiber results.

This document describes the “Overall” Fiber loss between the 7100 located in Lopez Island and La Conner Washington

- Over all fiber loss is calculated as the difference between the Tx level and the Rx levels.
- These levels were taking on the OSC channels in the 7100 AMP Modules.

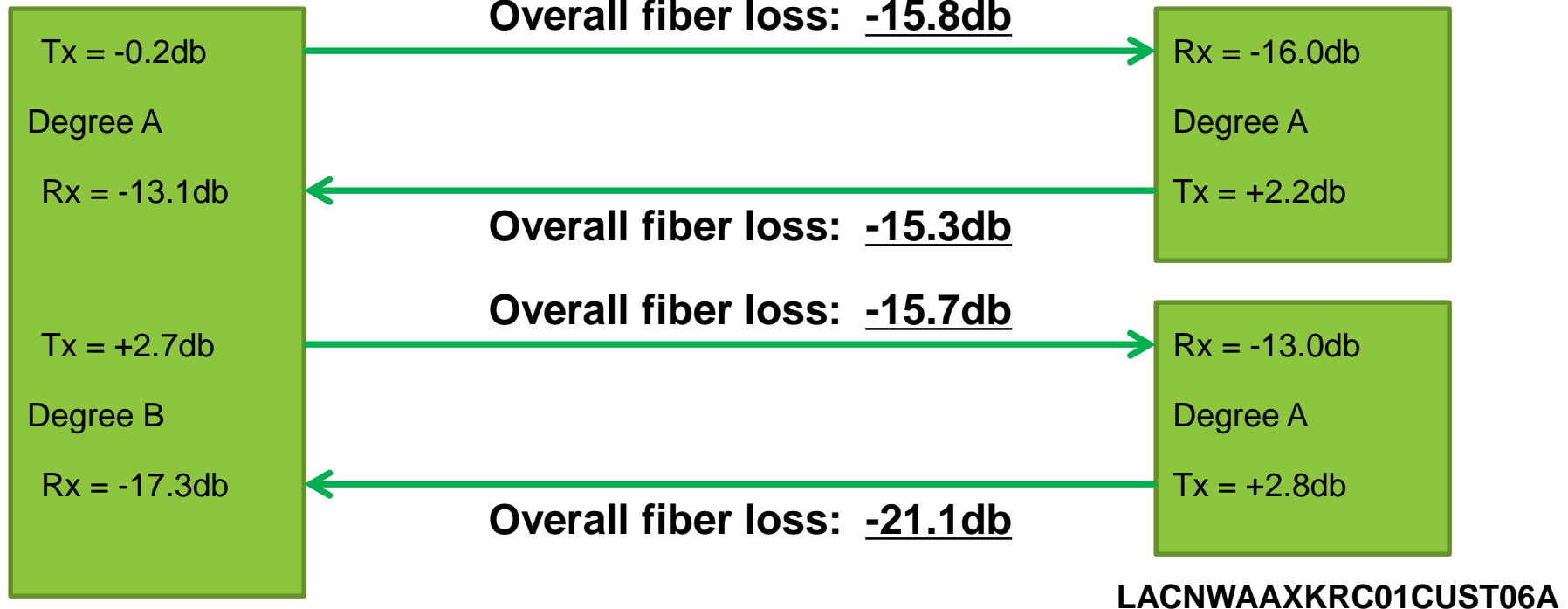
San Juan Island fiber results.

La Conner to Lopez Island

ROADM supports up to 26db span loss

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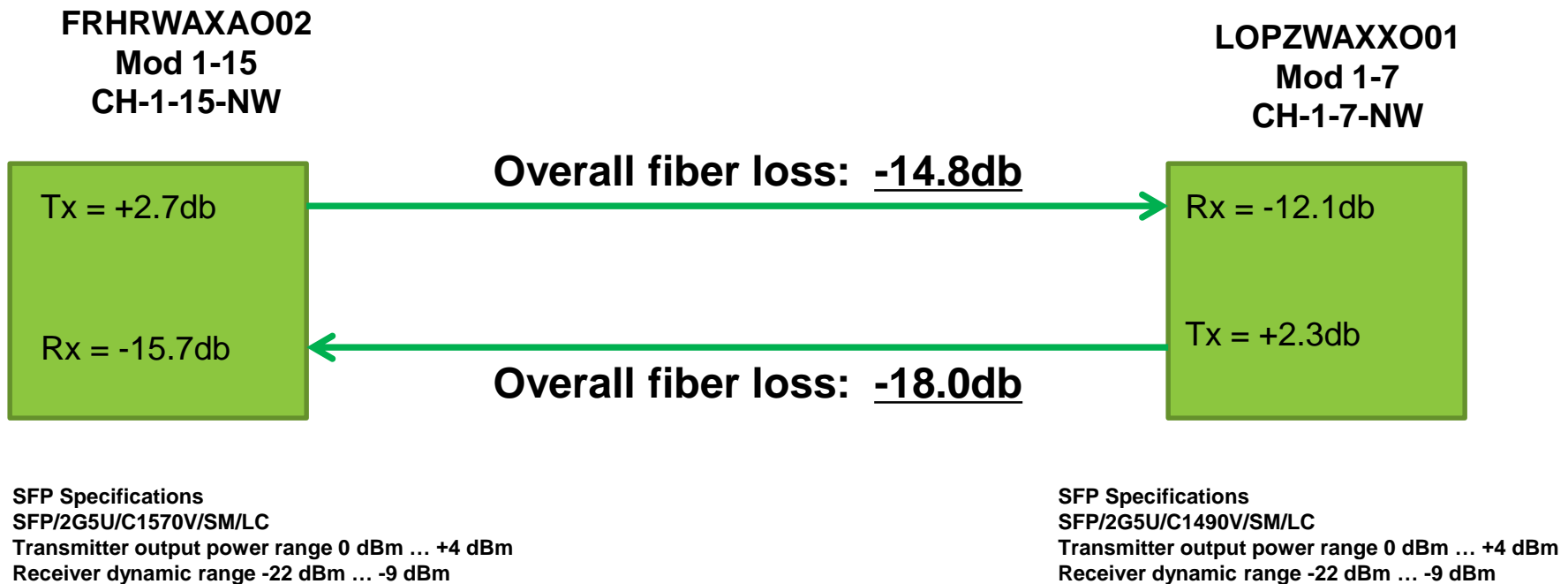
San Juan Island fiber results.

This document describes the “Overall” Fiber loss between the FW7420 located in Lopez Island and Friday Harbor Washington

- Over all fiber loss is calculated as the difference between the Tx level and the Rx levels.
- These levels were taking on the OSC channel in the FW7420.

San Juan Island fiber results.

Friday Harbor to Lopez Island



San Juan Island fiber results

CenturyLink visually inspected the landing sites for all submarine cables located in the San Juan Islands in late 2018. The fiber cables, vaults, pedestals, and surrounding environment were in satisfactory condition.

The most recent fiber optic cable signal strength inspection reflected a difference between last year and this year on the *receive* fiber decibel/loss for the submarine core transport segment between Lopez and La Conner. Currently, the measured -21.1 decibel span loss remains within specifications. The increase in loss is the result of added splice points on the leased fiber (Wave Broadband) segment between Anacortes and La Conner. Three events in 2018 made it necessary for Wave Broadband to add splice points. Those events included a fiber damage/restoration, an aerial-to-underground conversion, and relocation of a section of fiber as part of a WSDOT-mandated road move.