## **Bellingham to Mount Constitution**

This shot consists of 1 radio system transmitting through 1 antenna at each location.

The additional page in this spreadsheet contains a screen shot of the summary page for the radio system.

Indications of a properly operating link: No Alarms
RSL within  $\pm$  3 dB of calculated
Eb/No  $\geq$  19 dB
Signal to Noise Ratio (SNR)  $\geq$  24 db
Equalizer Stress typically 30, but < 150

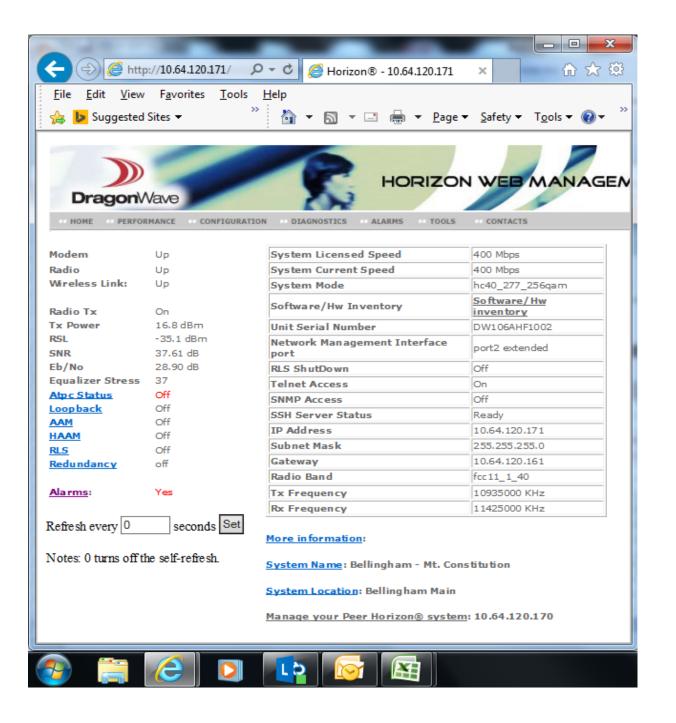
Each radio indicates a properly operating link, despite the ATPC Alarm indication. That alarm indicates that the Automatic Transmit Power Control circuit is off, which is the normal operating condition for microwave radio systems operating within CTL.

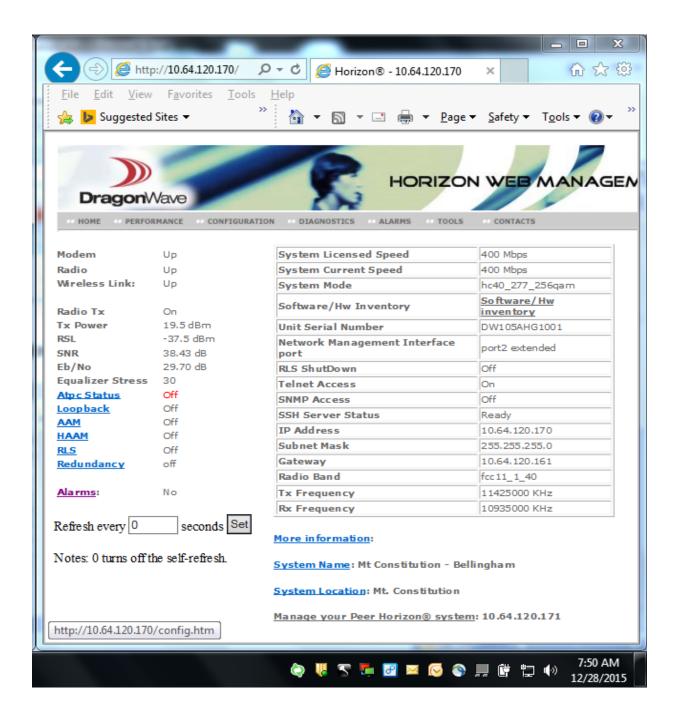
There is also an Alarm indication on the .171 radio, which is located in Bellingham. This alarm is a Port 2 Open alarm, which indicates that the Management cable is disconnected. This is due to the Bellingham radio not being connected to the local CO-LAN. Management is done via the Mt. Constitution LAN, with data transmitted via the radio link.

Currently, this radio system has a throughput of approximately 144 Mbps.

<sup>\*\*</sup> The Tower Inspection Forms are embedded in the third and fourth sheets and consists of three pages that can be scrolled through.\*\*

<sup>\*\*</sup> Double click within the word doc window to scroll. A scroll wheel on a mouse works best.\*\*





ANTENNA AND TOWER ROUTINE INSPECTION		
	SITE NAMEBellingham	
	SITE LOCATIONBellingham, WA_	
	SITE CLLIBHLMWA01	
	DATE01/12/2016	
	INSPECTED BYFord - Hogue	

ANTENNA AND TOWER ROUTINE INSPECTION		
SITE NAMEMt. Constitution North		
SITE LOCATIONOrcas Island		
SITE CLLIMTCSWAQA		
DATE01/13/2016		
INSPECTED BYFord - Hogue		