

CenturyLink's San Juan Islands Radio Tests conducted February 2020

Horizon® - 10.64.120.171

10.64.120.170

Not secure | 10.64.120.171

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**DragonWave** HORIZON WEB MANAGEMENT

HOME PERFORMANCE CONFIGURATION DIAGNOSTICS ALARMS TOOLS CONTACTS

Modem	Up
Radio	Up
Wireless Link:	Up
Radio Tx	On
Tx Power	16.8 dBm
RSL	-34.5 dBm
SNR	38.06 dB
Eb/No	29.40 dB
Equalizer Stress	38
<a href="#">Atpc Status</a>	Off
<a href="#">Loopback</a>	Off
<a href="#">AAM</a>	Off
<a href="#">HAAM</a>	Off
<a href="#">RLS</a>	Off
<a href="#">Redundancy</a>	off
<a href="#">Alarms:</a>	Yes

System Licensed Speed	400 Mbps
System Current Speed	400 Mbps
System Mode	hc40_277_256qam
Software/Hw Inventory	<a href="#">Software/Hw inventory</a>
Unit Serial Number	DW106AHF1002
Network Management Interface port	port2 extended
RLS ShutDown	Off
Telnet Access	On
SNMP Access	Off
SSH Server Status	Ready
IP Address	10.64.120.171
Subnet Mask	255.255.255.0
Gateway	10.64.120.161
Radio Band	fcc11_1_40
Tx Frequency	10935000 KHz
Rx Frequency	11425000 KHz

[More information:](#)  
[System Name:](#) Bellingham - Mt. Constitution  
[System Location:](#) Bellingham Main  
[Manage your Peer Horizon@ system:](#) 10.64.120.170

Refresh every  seconds

Notes: 0 turns off the self-refresh.

Virtual Programs 12:21 PM 2/27/2020

CenturyLink's San Juan Islands Radio Tests conducted February 2020

The image displays two side-by-side screenshots of the Horizon Web Management interface, showing system status and configuration details for two different radio systems.

**Left Screenshot (IP: 10.64.32.101):**

- System Status:** Modem (Up), Radio (Up), Wireless Link (Up), Radio Tx (On), Tx Power (19.0 dBm), RSL (-44.6 dBm), SNR (39.51 dB), Eb/No (30.80 dB), Equalizer Stress (29), Atpc Status (Off), Loopback (Off), AAM (Off), HAAM (Off), RLS (Off), Redundancy (off), Alarms (No).
- Configuration Table:**

System Licensed Speed	300 Mbps
System Current Speed	300 Mbps
System Mode	hc40_277_256qam
Software/Hw Inventory	Software/Hw inventory
Unit Serial Number	DW108AHE1003
Network Management Interface port	port2
RLS ShutDown	Off
Telnet Access	On
SNMP Access	Off
SSH Server Status	Ready
IP Address	10.64.32.101
Subnet Mask	255.255.255.0
Gateway	10.64.32.1
Radio Band	fcc11_2_40
Tx Frequency	11055000 KHz
Rx Frequency	11545000 KHz
- System Information:**
  - System Name: Friday Harbor - Mt. Constitution
  - System Location: Friday Harbor - A1 - Upper Dish - Left
  - Manage your Peer Horizon@ system: 10.64.120.165

**Right Screenshot (IP: 10.64.120.165):**

- System Status:** Modem (Up), Radio (Up), Wireless Link (Up), Radio Tx (On), Tx Power (19.1 dBm), RSL (-46.5 dBm), SNR (39.30 dB), Eb/No (30.60 dB), Equalizer Stress (29), Atpc Status (Off), Loopback (Off), AAM (Off), HAAM (Off), RLS (Off), Redundancy (off), Alarms (No).
- Configuration Table:**

System Licensed Speed	300 Mbps
System Current Speed	300 Mbps
System Mode	hc40_277_256qam
Software/Hw Inventory	Software/Hw inventory
Unit Serial Number	DW107AHE1003
Network Management Interface port	port2
RLS ShutDown	Off
Telnet Access	On
SNMP Access	Off
SSH Server Status	Ready
IP Address	10.64.120.165
Subnet Mask	255.255.255.0
Gateway	10.64.120.161
Radio Band	fcc11_2_40
Tx Frequency	11545000 KHz
Rx Frequency	11055000 KHz
- System Information:**
  - System Name: Mt. Constitution - Friday Harbor
  - System Location: Mt. Constitution - A1 - Upper Dish - Left
  - Manage your Peer Horizon@ system: 10.64.32.101

Both screenshots include a navigation menu at the top: HOME, PERFORMANCE, CONFIGURATION, DIAGNOSTICS, ALARMS, TOOLS, CONTACTS. The browser address bar shows the URL as 10.64.32.101 and 10.64.120.165 respectively. The taskbar at the bottom shows the system time as 12:25 PM on 2/27/2020.

CenturyLink's San Juan Islands Radio Tests conducted February 2020

The image displays two side-by-side screenshots of the Horizon Web Management interface, showing system status and configuration details for two different radio systems.

**Left Screenshot (IP: 10.64.32.102):**

- System Status:** Modem (Up), Radio (Up), Wireless Link (Up), Radio Tx (On), Tx Power (19.1 dBm), RSL (-44.7 dBm), SNR (40.02 dB), Eb/No (31.30 dB), Equalizer Stress (29), Atpc Status (Off), Loopback (Off), AAM (Off), HAAM (Off), RLS (Off), Redundancy (off), Alarms (No).
- Configuration Table:**

System Licensed Speed	300 Mbps
System Current Speed	300 Mbps
System Mode	hc40_277_256qam
Software/Hw Inventory	Software/Hw inventory
Unit Serial Number	DW108AHE1002
Network Management Interface port	port2
RLS ShutDown	Off
Telnet Access	On
SNMP Access	Off
SSH Server Status	Ready
IP Address	10.64.32.102
Subnet Mask	255.255.255.0
Gateway	10.64.32.1
Radio Band	fcc11_2_40
Tx Frequency	11015000 KHz
Rx Frequency	11505000 KHz
- System Information:**
  - System Name: Friday Harbor - Mt. Constitution
  - System Location: Friday Harbor - A2 - Upper Dish - Right
  - Manage your Peer Horizon@ system: 10.64.120.166

**Right Screenshot (IP: 10.64.120.166):**

- System Status:** Modem (Up), Radio (Up), Wireless Link (Up), Radio Tx (On), Tx Power (19.2 dBm), RSL (-44.7 dBm), SNR (39.42 dB), Eb/No (30.70 dB), Equalizer Stress (33), Atpc Status (Off), Loopback (Off), AAM (Off), HAAM (Off), RLS (Off), Redundancy (off), Alarms (No).
- Configuration Table:**

System Licensed Speed	300 Mbps
System Current Speed	300 Mbps
System Mode	hc40_277_256qam
Software/Hw Inventory	Software/Hw inventory
Unit Serial Number	DW107AHE1002
Network Management Interface port	port2
RLS ShutDown	Off
Telnet Access	On
SNMP Access	Off
SSH Server Status	Ready
IP Address	10.64.120.166
Subnet Mask	255.255.255.0
Gateway	10.64.120.161
Radio Band	fcc11_2_40
Tx Frequency	11505000 KHz
Rx Frequency	11015000 KHz
- System Information:**
  - System Name: Mt. Constitution - Friday Harbor
  - System Location: Mt. Constitution - A2 - Upper Dish - Right
  - Manage your Peer Horizon@ system: 10.64.32.102

Both screenshots include a navigation menu (HOME, PERFORMANCE, CONFIGURATION, DIAGNOSTICS, ALARMS, TOOLS, CONTACTS) and a refresh timer set to 0 seconds.

CenturyLink's San Juan Islands Radio Tests conducted February 2020

Horizon® - 10.64.120.171    Horizon® - 10.64.32.103    Access Denied

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**DragonWave**    HORIZON WEB MANAGEMENT

HOME    PERFORMANCE    CONFIGURATION    DIAGNOSTICS    ALARMS    TOOLS    CONTACTS

Modem	Up
Radio	Up
Wireless Link:	Up
Radio Tx	On
Tx Power	19.0 dBm
RSL	-43.3 dBm
SNR	39.92 dB
Eb/No	31.20 dB
Equalizer Stress	43
<a href="#">Atpc Status</a>	Off
<a href="#">Loopback</a>	Off
<a href="#">AAM</a>	Off
<a href="#">HAAM</a>	Off
<a href="#">RLS</a>	Off
<a href="#">Redundancy</a>	off
<a href="#">Alarms:</a>	No

System Licensed Speed	400 Mbps
System Current Speed	400 Mbps
System Mode	hc40_277_256qam
Software/Hw Inventory	<a href="#">Software/Hw inventory</a>
Unit Serial Number	DW108AGM1002
Network Management Interface port	port2
RLS ShutDown	Off
Telnet Access	On
SNMP Access	Off
SSH Server Status	Ready
IP Address	10.64.32.103
Subnet Mask	255.255.255.0
Gateway	10.64.32.1
Radio Band	fcc11_2_40
Tx Frequency	10975000 KHz
Rx Frequency	11465000 KHz

[More information:](#)  
[System Name:](#) Friday Harbor to Mount Constitution  
[System Location:](#) Friday Harbor - Lower - B1  
[Manage your Peer Horizon® system:](#) 10.64.120.167

Refresh every  seconds

Notes: 0 turns off the self-refresh.

Virtual Programs    12:30 PM 2/27/2020

CenturyLink's San Juan Islands Radio Tests conducted February 2020

Horizon® - 10.64.120.171    Horizon® - 10.64.32.104    Access Denied

Not secure | 10.64.32.104

Apps    Managed bookmarks    Google    FDOT ITS Keys Micr...    Account Activity

**DragonWave**    HORIZON WEB MANAGEMENT

HOME    PERFORMANCE    CONFIGURATION    DIAGNOSTICS    ALARMS    TOOLS    CONTACTS

Modem    Up  
Radio    Up  
Wireless Link:    Up

Radio Tx    On  
Tx Power    19.2 dBm  
RSL    -42.7 dBm  
SNR    39.65 dB  
Eb/No    31.00 dB  
Equalizer Stress    39  
[Atpc Status](#)    Off  
[Loopback](#)    Off  
[AAM](#)    Off  
[HAAM](#)    Off  
[RLS](#)    Off  
[Redundancy](#)    off  
  
[Alarms:](#)    No

System Licensed Speed	400 Mbps
System Current Speed	400 Mbps
System Mode	hc40_277_256qam
Software/Hw Inventory	<a href="#">Software/Hw inventory</a>
Unit Serial Number	DW106AGM1003
Network Management Interface port	port2
RLS ShutDown	Off
Telnet Access	On
SNMP Access	Off
SSH Server Status	Ready
IP Address	10.64.32.104
Subnet Mask	255.255.255.0
Gateway	10.64.32.1
Radio Band	fcc11_1_40
Tx Frequency	10935000 KHz
Rx Frequency	11425000 KHz

[More information:](#)  
[System Name:](#) Friday Harbor - Mount Constitution  
[System Location:](#) Friday Harbor - Lower - B2  
[Manage your Peer Horizon® system:](#) 10.64.120.168

Refresh every  seconds

Notes: 0 turns off the self-refresh.

Windows taskbar: 12:29 PM 2/27/2020