

## Watch ports and stations with the Monitor Port plugin.

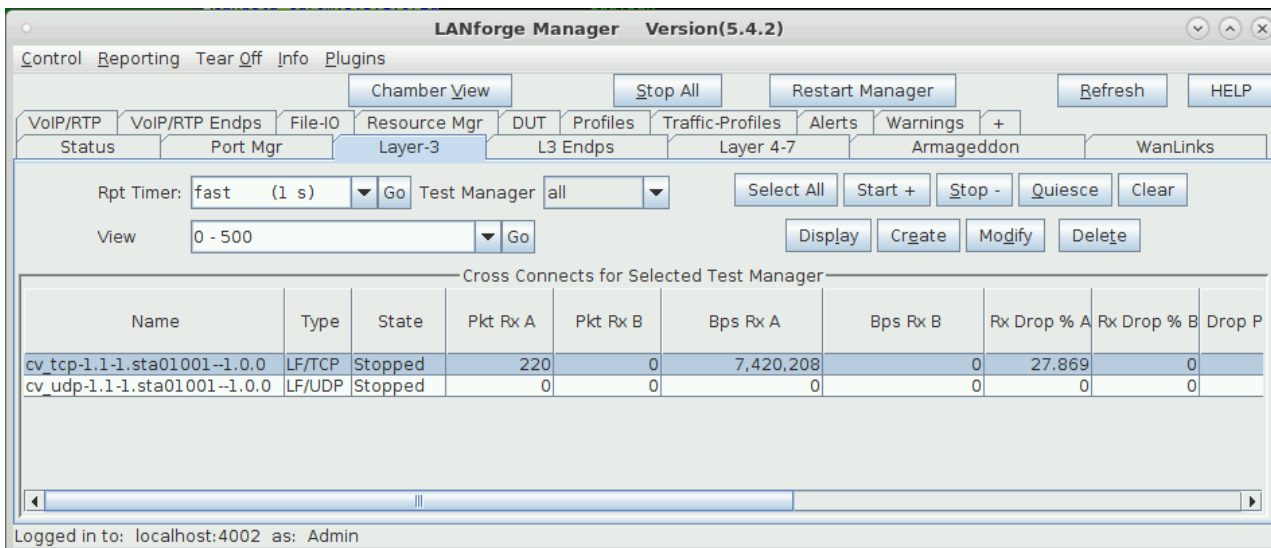
**Goal:** Display a bandwidth meter for ports and stations.

You can display a series of meters for one or more ports with a nice demo window for traffic speed. For this demonstration, we have configured a station, an upstream port, and a Layer-3 connection to generate traffic.



1. 

### Single port display
2. The simplest example for port monitoring is showing only one station.
3. We will start our Layer-3 connection.



LANforge Manager Version(5.4.2)

Control Reporting Tear Off Info Plugins

Chamber View Stop All Restart Manager Refresh HELP

VoIP/RTP VoIP/RTP Endps File-I/O Resource Mgr DUT Profiles Traffic-Profiles Alerts Warnings +

Status Port Mgr Layer-3 L3 Endps Layer 4-7 Armageddon WanLinks

Rpt Timer: fast (1 s) Go Test Manager all Select All Start + Stop - Quiesce Clear

View 0 - 500 Go Display Create Modify Delete

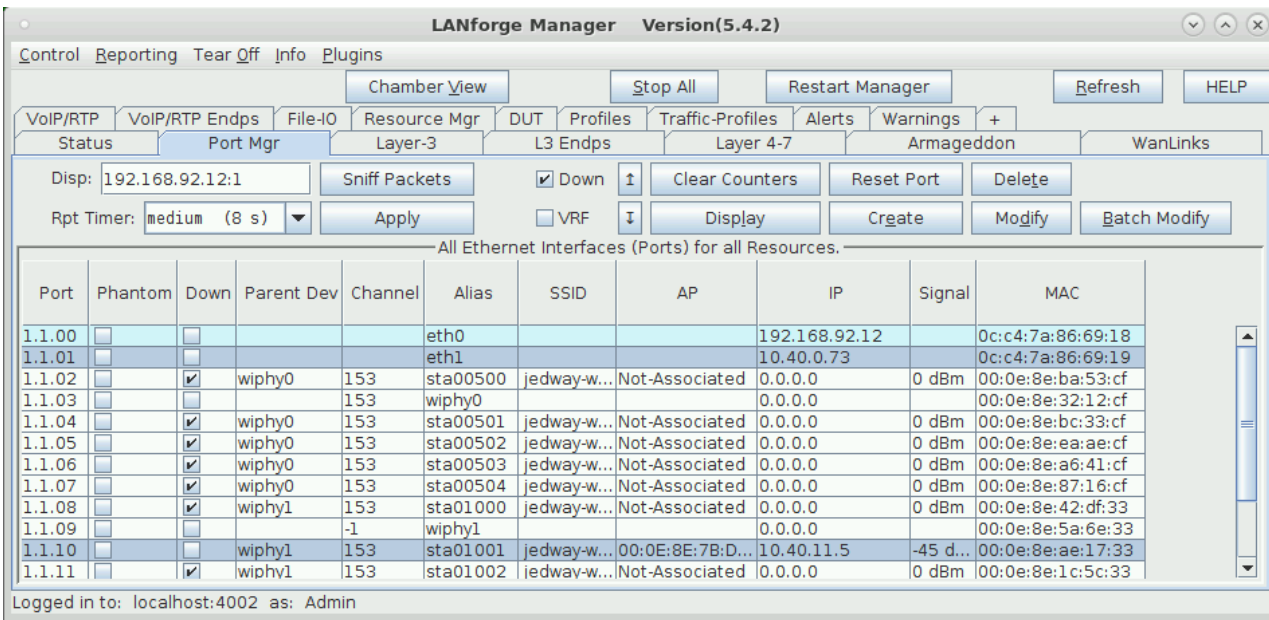
Cross Connects for Selected Test Manager

Name	Type	State	Pkt Rx A	Pkt Rx B	Bps Rx A	Bps Rx B	Rx Drop % A	Rx Drop % B	Drop P
cv_tcp-1.1-1.sta01001--1.0.0	LF/TCP	Stopped	220	0	7,420,208	0	27.869	0	
cv_udp-1.1-1.sta01001--1.0.0	LF/UDP	Stopped	0	0	0	0	0	0	

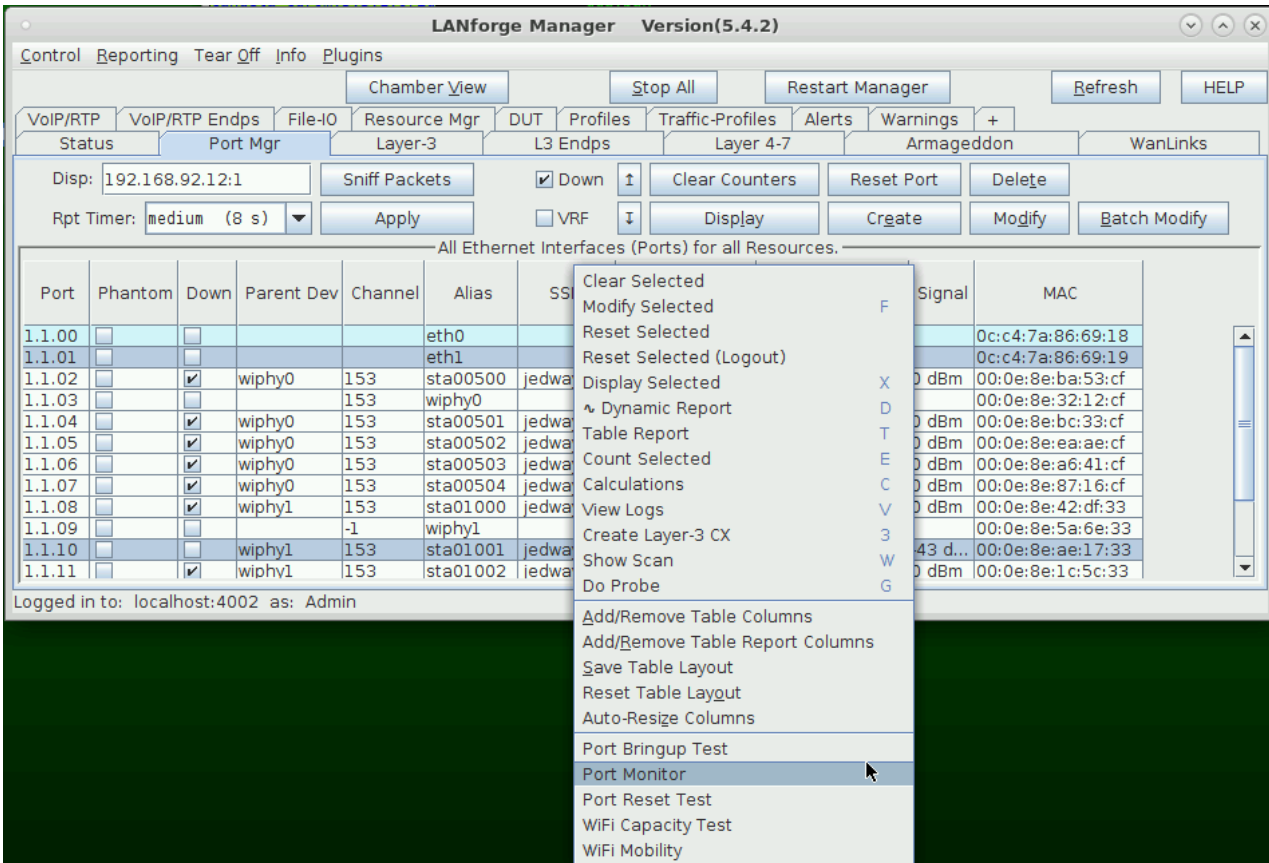
Logged in to: localhost:4002 as: Admin

For more information see [Generating Traffic to a Switched Network](#)

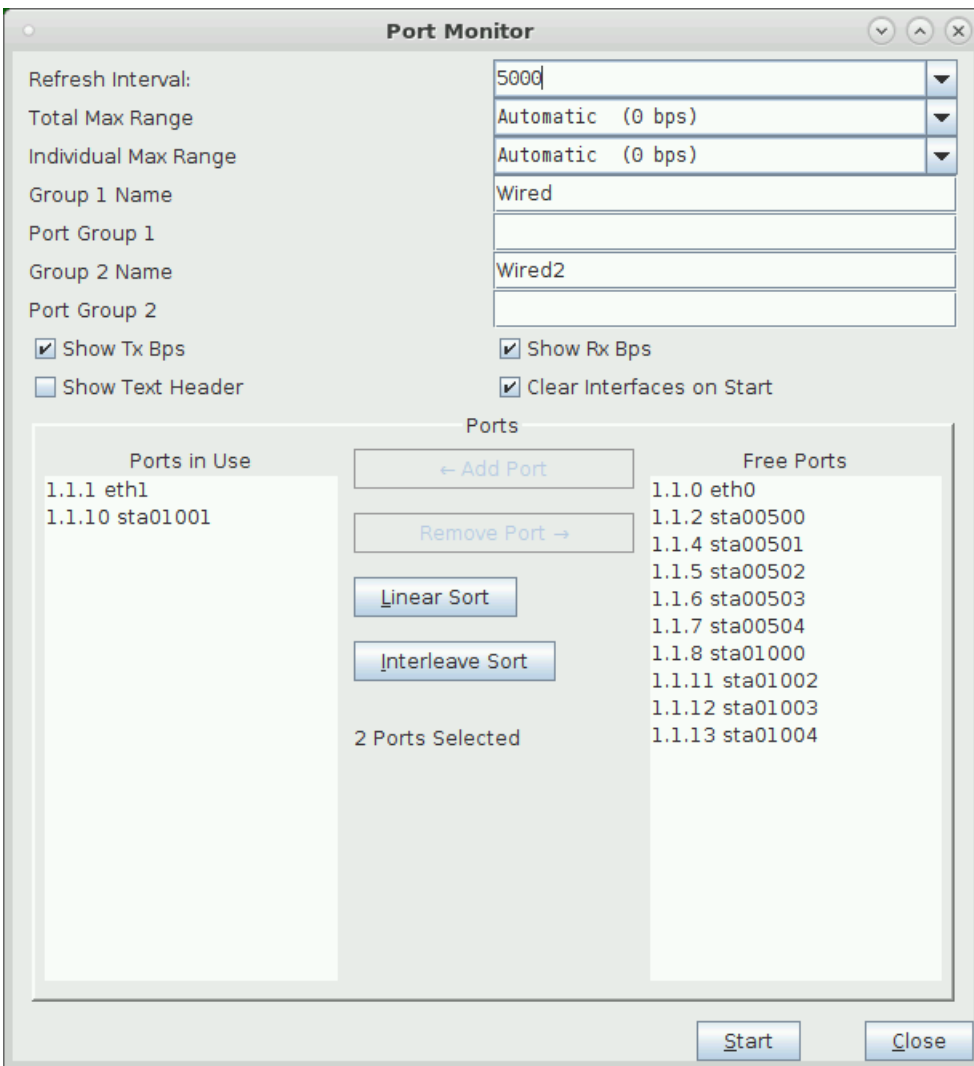
4. After starting the Layer-3 connection, click on the *Port Mgr* tab; you will see your connection ports highlighted.



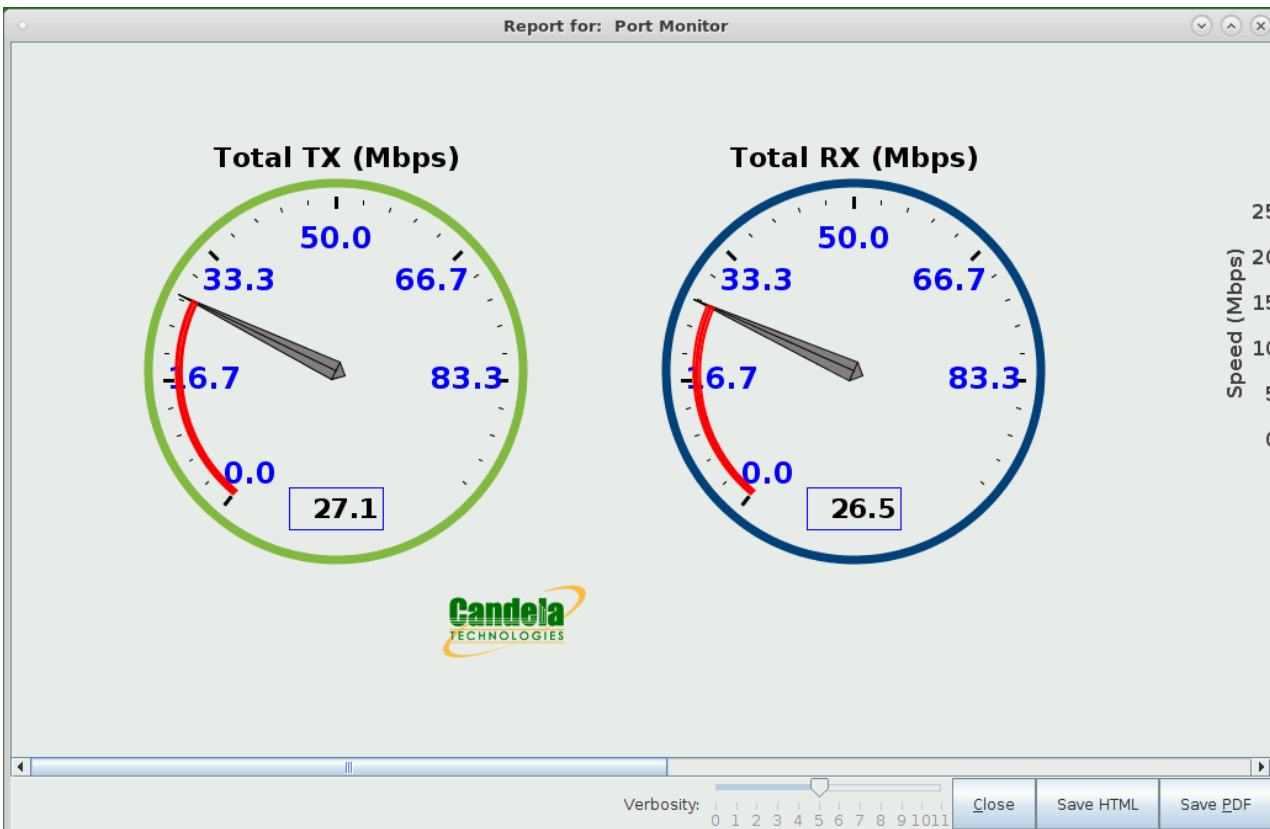
5. Right click on one of the selected ports, and select **Port Monitor**.



6. You will see your two ports in the port selector. Click **Start** to begin the monitor.



7. The monitor display was designed to be a full-screen window. You'll see it scroll off to the right. Maximize the window to see more.



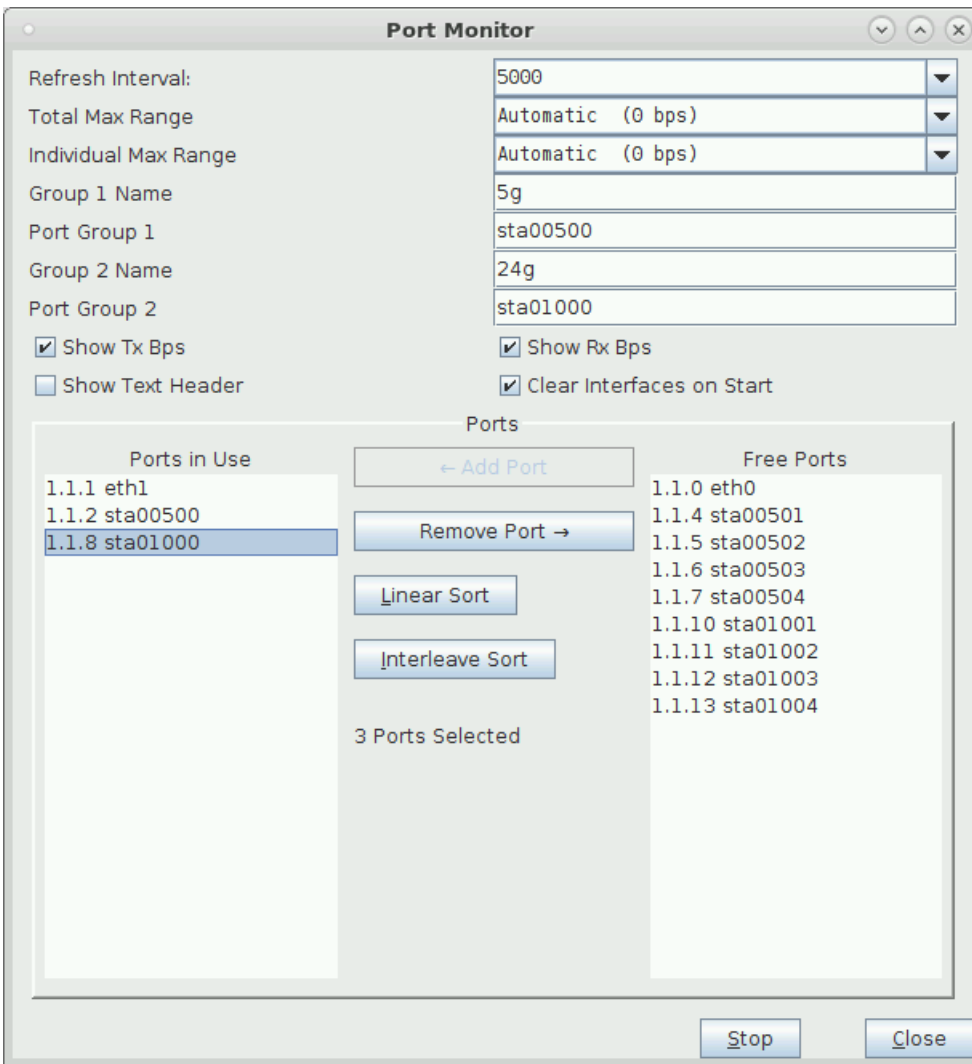
8. The bar chart on the right side shows port totals.



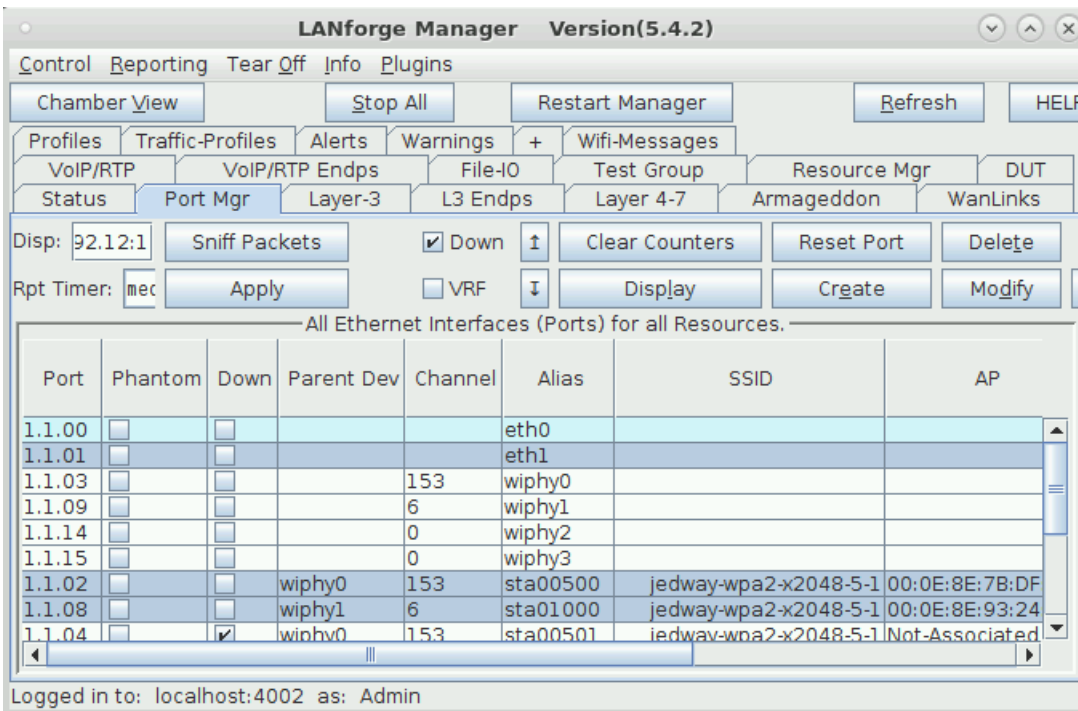
9.

## Displaying Groups of Ports

10. You can use the *Port Group 1* and *Port Group 2* fields in the settings window to display items. The window pictured here shows a station on a 2.4Ghz band and another station on a 5Ghz band.



11. The ports for these settings show different channels



12. The connections for these ports are both attempting 300Mbps download

LANforge Manager Version(5.4.2)

Control Reporting Tear Off Info Plugins

Chamber View Stop All Restart Manager Refresh HELP

Profiles Traffic-Profiles Alerts Warnings + Wifi-Messages

VoIP/RTP VoIP/RTP Endps File-I/O Test Group Resource Mgr DUT

Status Port Mgr Layer-3 L3 Endps Layer 4-7 Armageddon WanLinks

fast (1 s) Go Test Manager all Select All Start + Stop - Quiesce

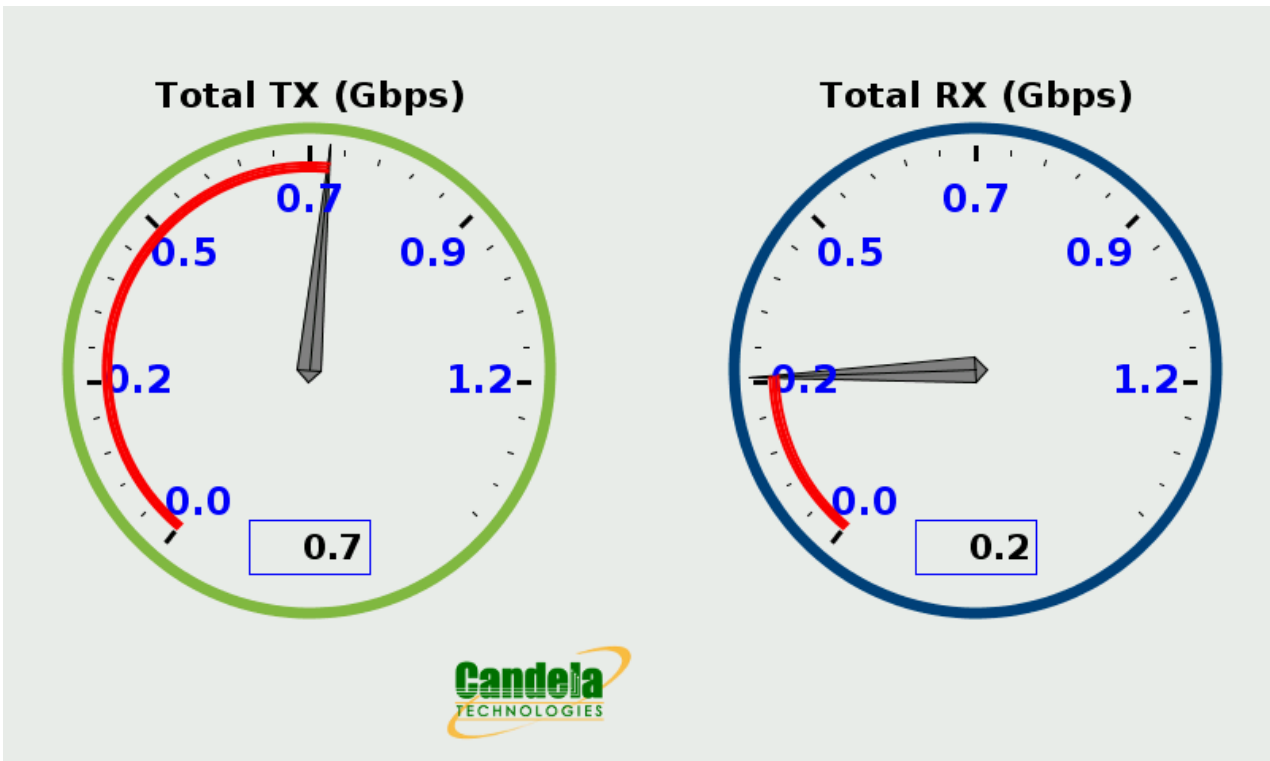
0 - 500 Go Display Create Modify De

Cross Connects for Selected Test Manager

Name	Type	State	Pkt Rx A	Pkt Rx B	Bps Rx A	Bps
24g-tcp	LF/TCP	Run	5,819	176,289	55,986	76
24g-udp	LF/UDP	Run	5,776	9,726,816	55,987	94
5g-tcp	LF/TCP	Run	5,822	54,069	55,987	23
5g-udp	LF/UDP	Run	5,757	3,436,509	55,831	33

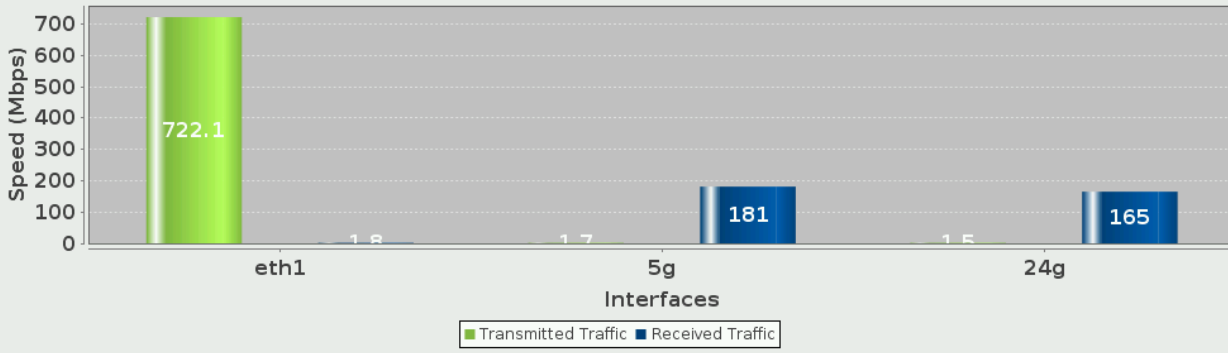
Logged in to: localhost:4002 as: Admin

13. We see a lot of TX from eth1 in the dial, but not much recieved.



14. We can compare the 2.4Ghz ports and the 5Ghz ports in the bar charts

### Interface Throughput



Candela Technologies, Inc., 2417 Main Street, Suite 201, Ferndale, WA 98248, USA  
www.candelatech.com | sales@candelatech.com | +1.360.380.1618