

## 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-IO 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

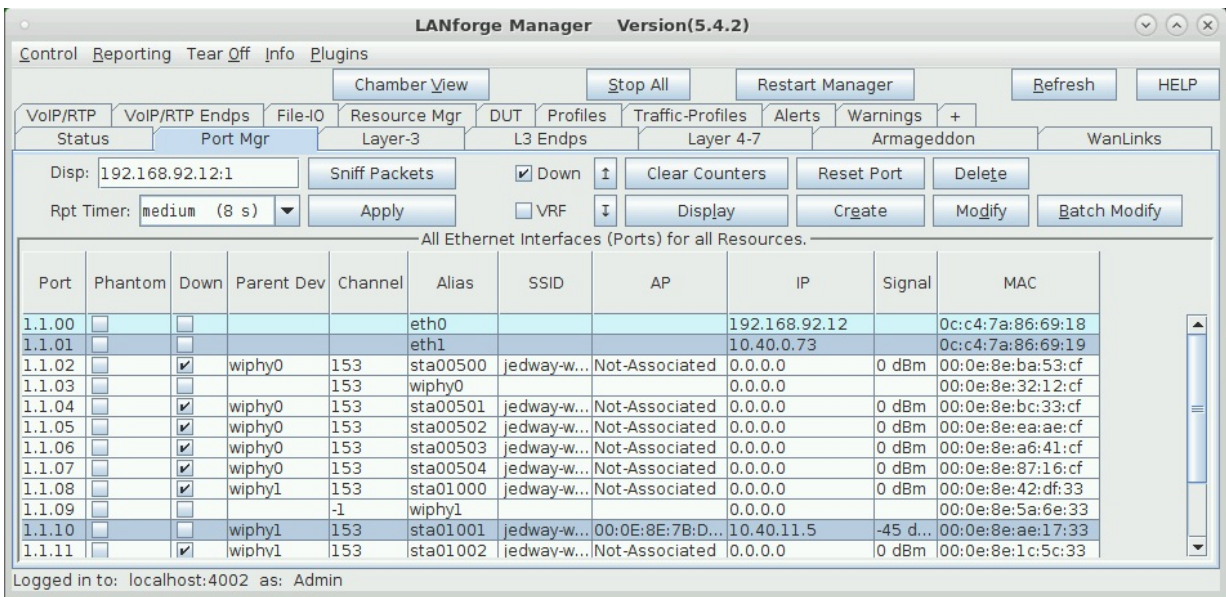
Cross Connects for Selected Test Manager

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	0
cv udp-1.1-1.sta01001--1.0.0	LF/UDP	Stopped	0	0	0	0	0	0	0

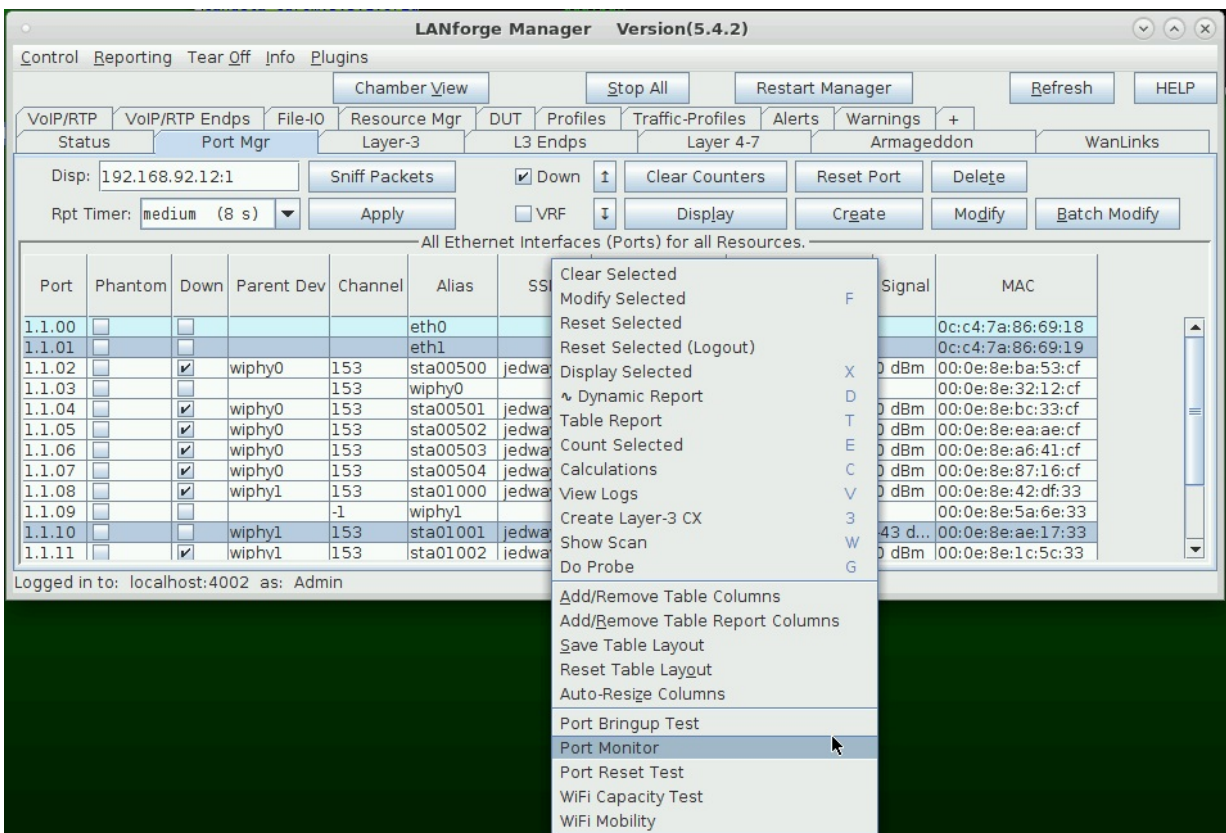
Logged in to: localhost:4002 as: Admin

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

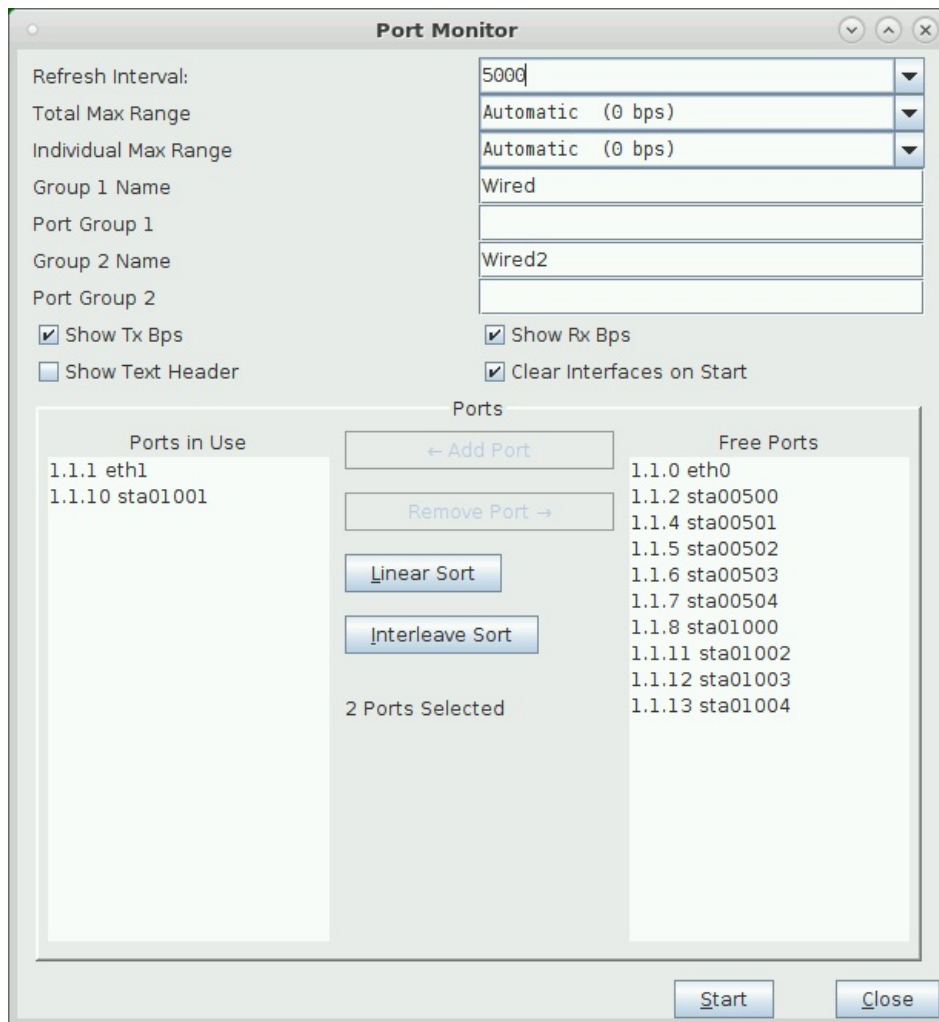
4. After starting the Layer-3 connection, click on the Port Mgr tab; you will see your connection ports highlighted.



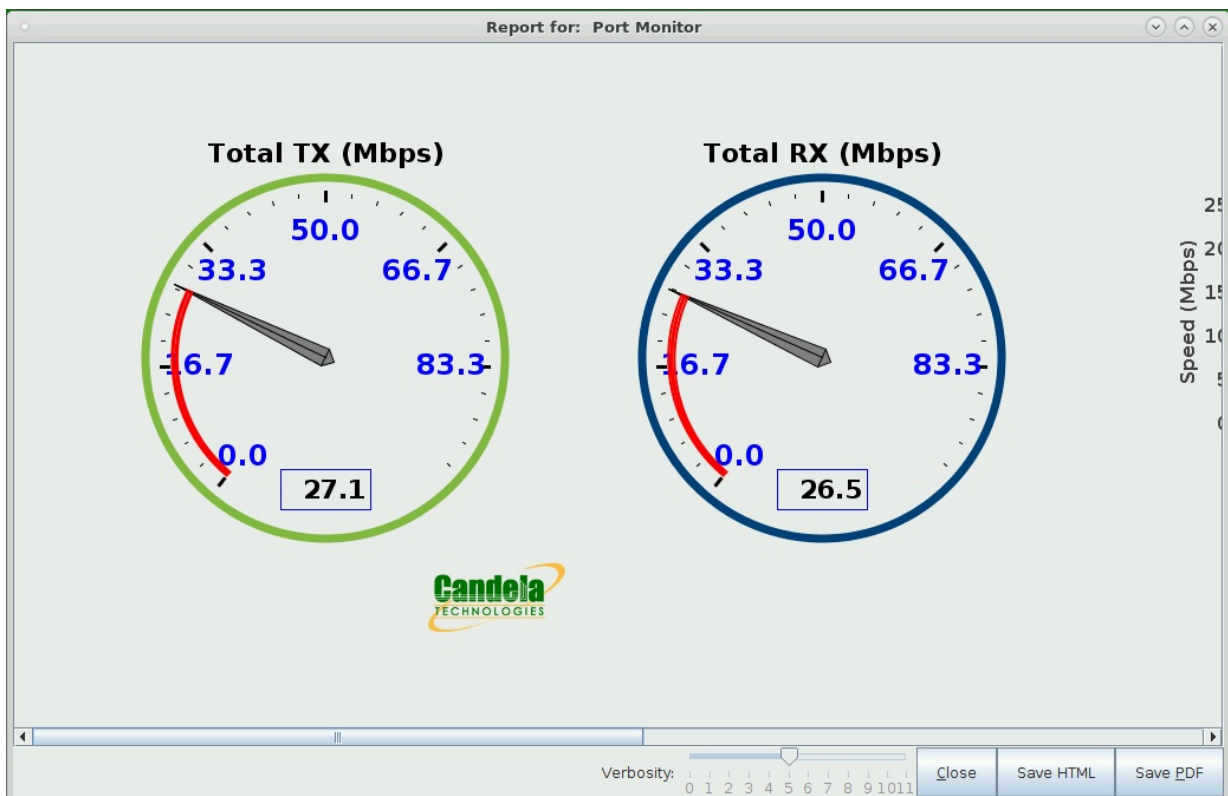
5. Right click on one of the selected ports, and select **Port Monitor**.



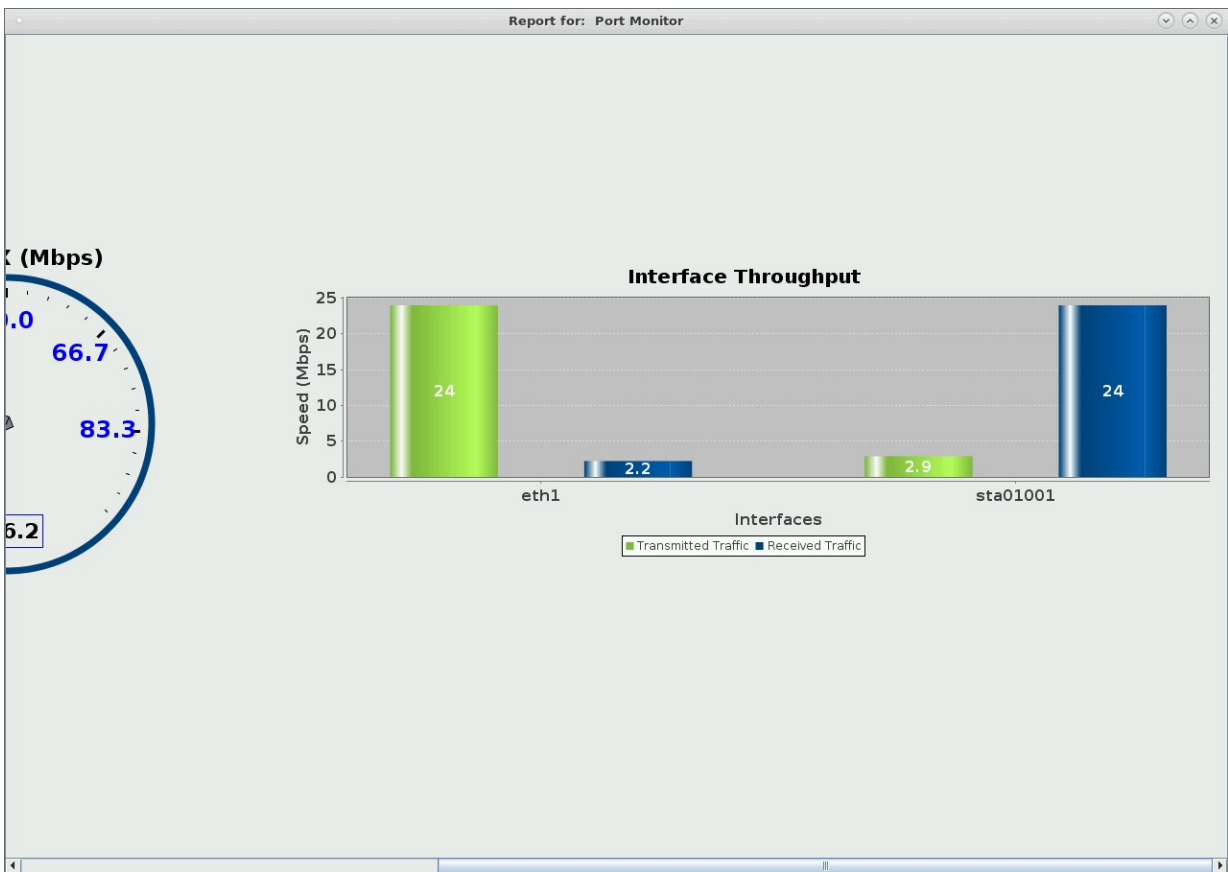
6. You will see your two ports in the port selector. Click **Start** to begin the monitor.



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.

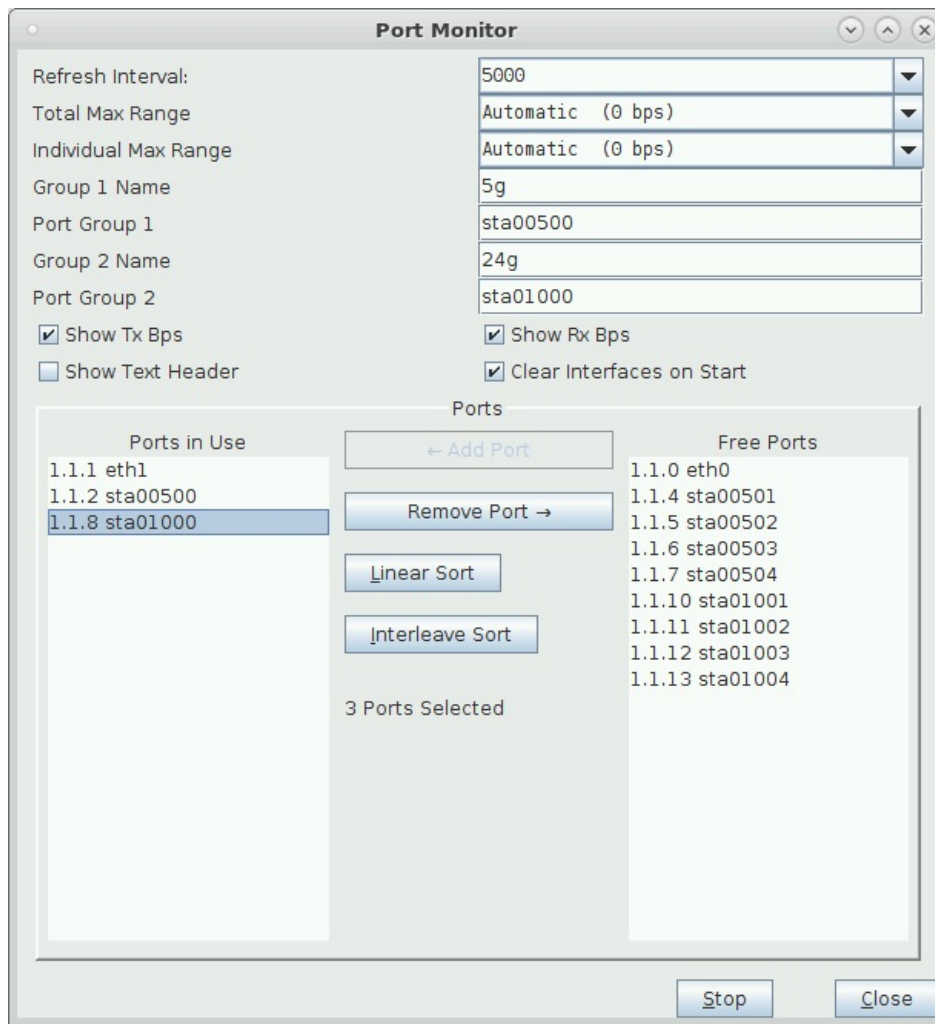


9.

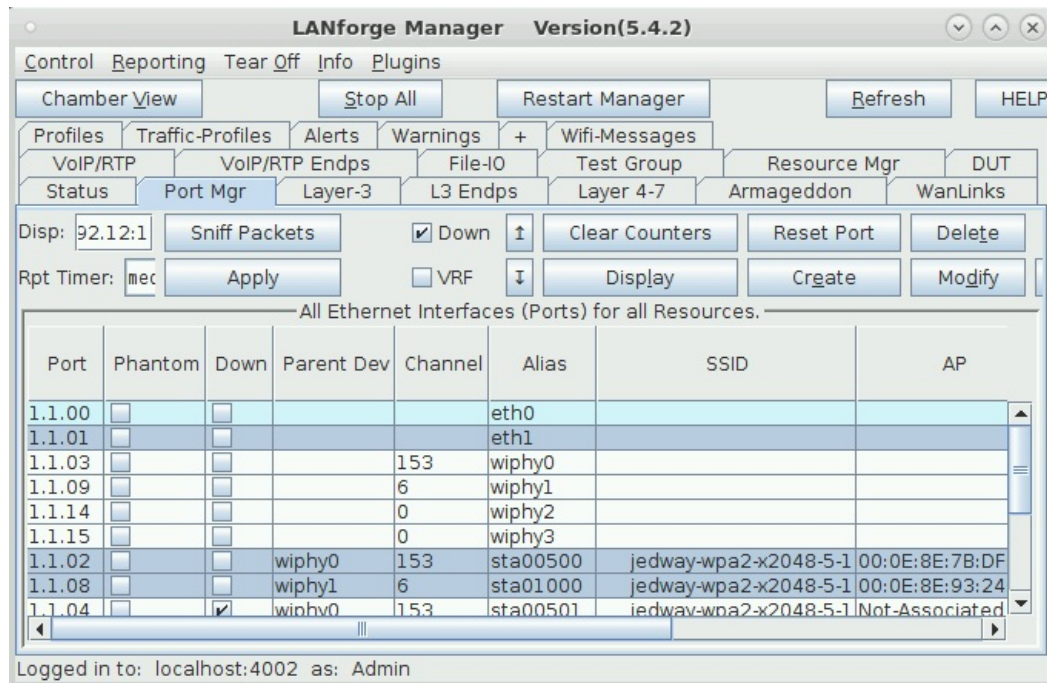
## Displaying Groups of Ports

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.

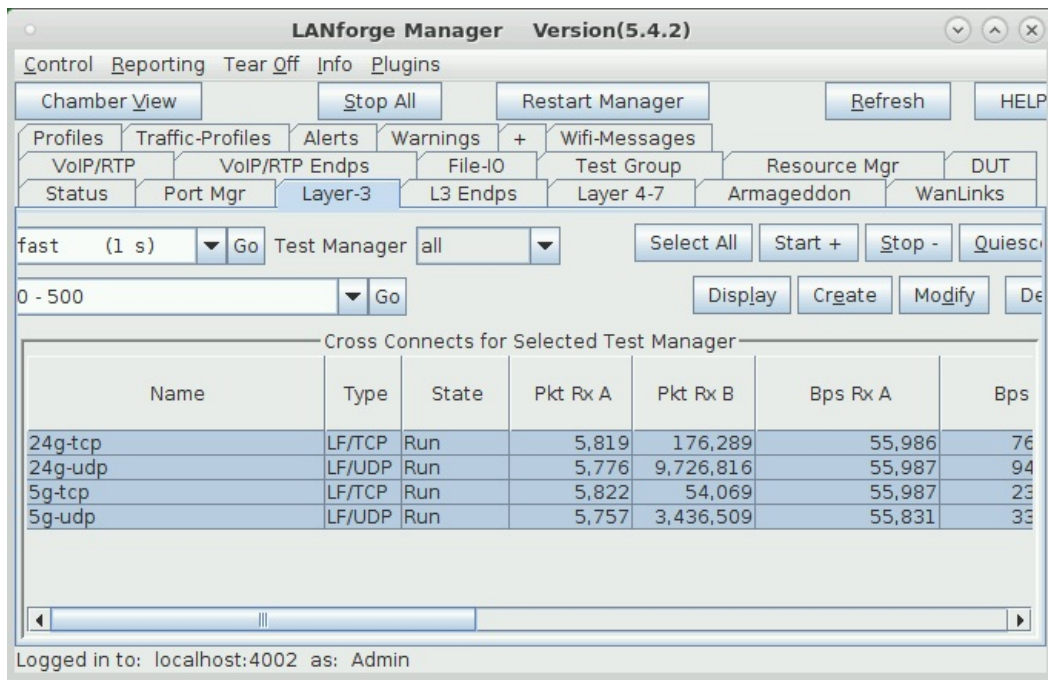




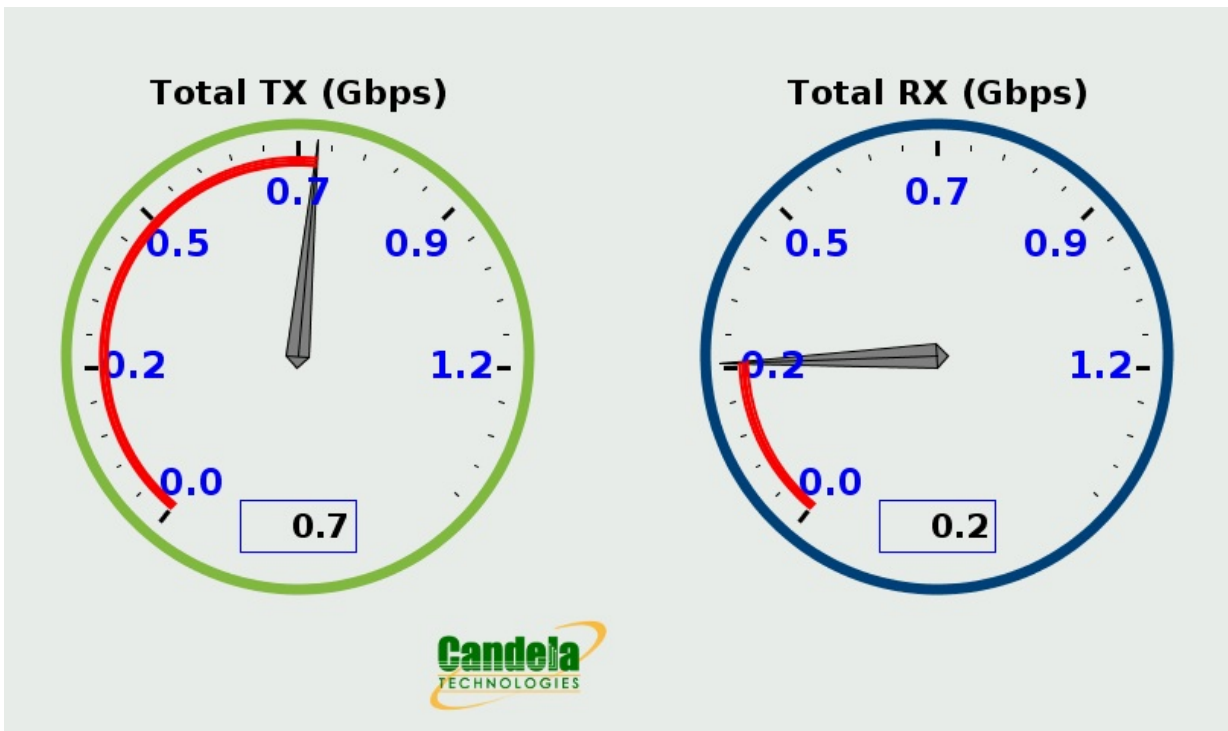
11. The ports for these settings show different channels



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



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

