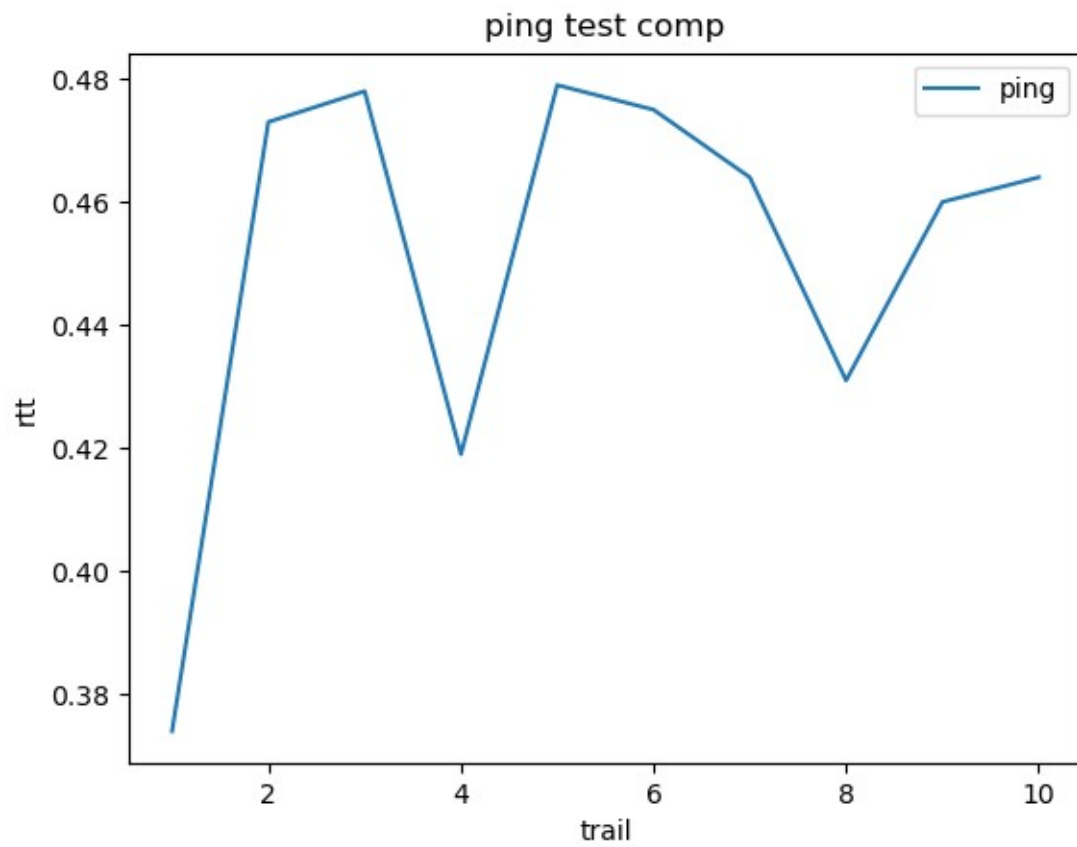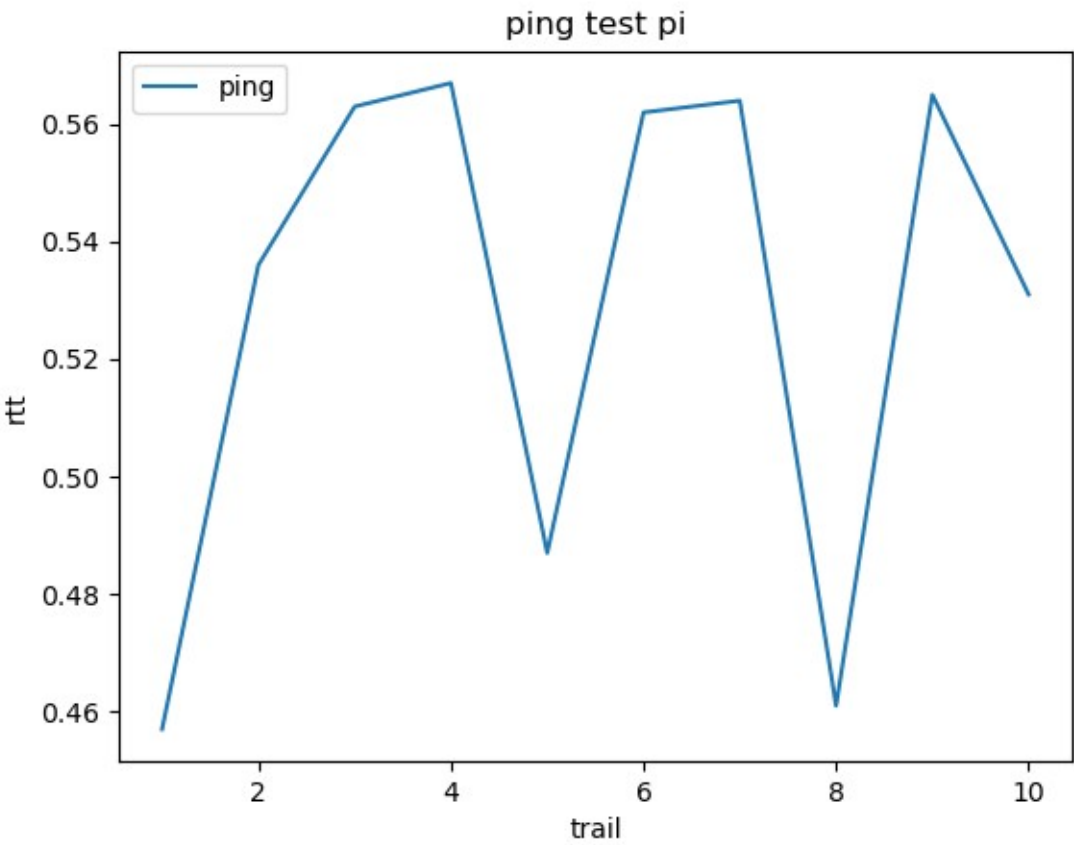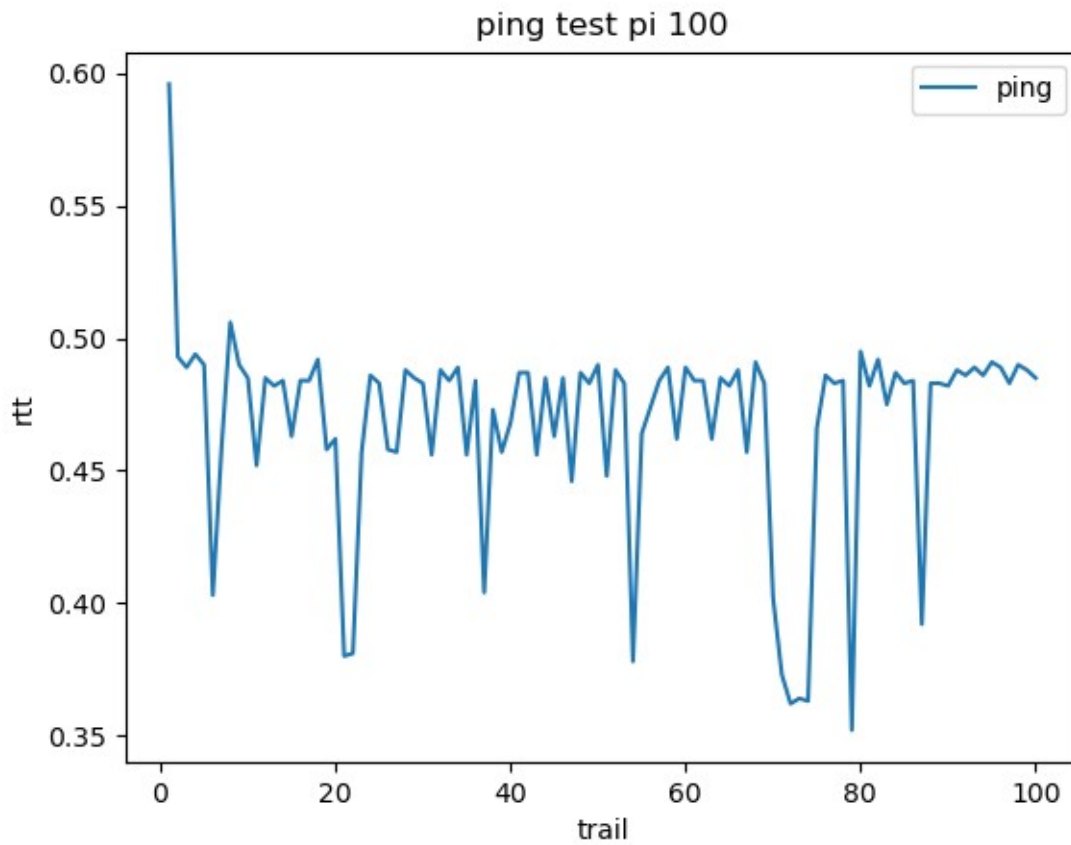Ping

1. rtt min/avg/max/mdev = 0.374/0.451/0.479/0.032 ms

2. rtt min/avg/max/mdev = 0.457/0.529/0.567/0.042 ms



ping test pi

3. rtt min/avg/max/mdev = 0.352/0.468/0.596/0.037 ms

ping test pi 100

ping 10 times from computer has lower  rtt min/avg/max than from pi
ping 100 times with 0.001s interval from pi has a high rtt at the start but decrease to have lower rtt than 10 times 0.2s interval after several trails

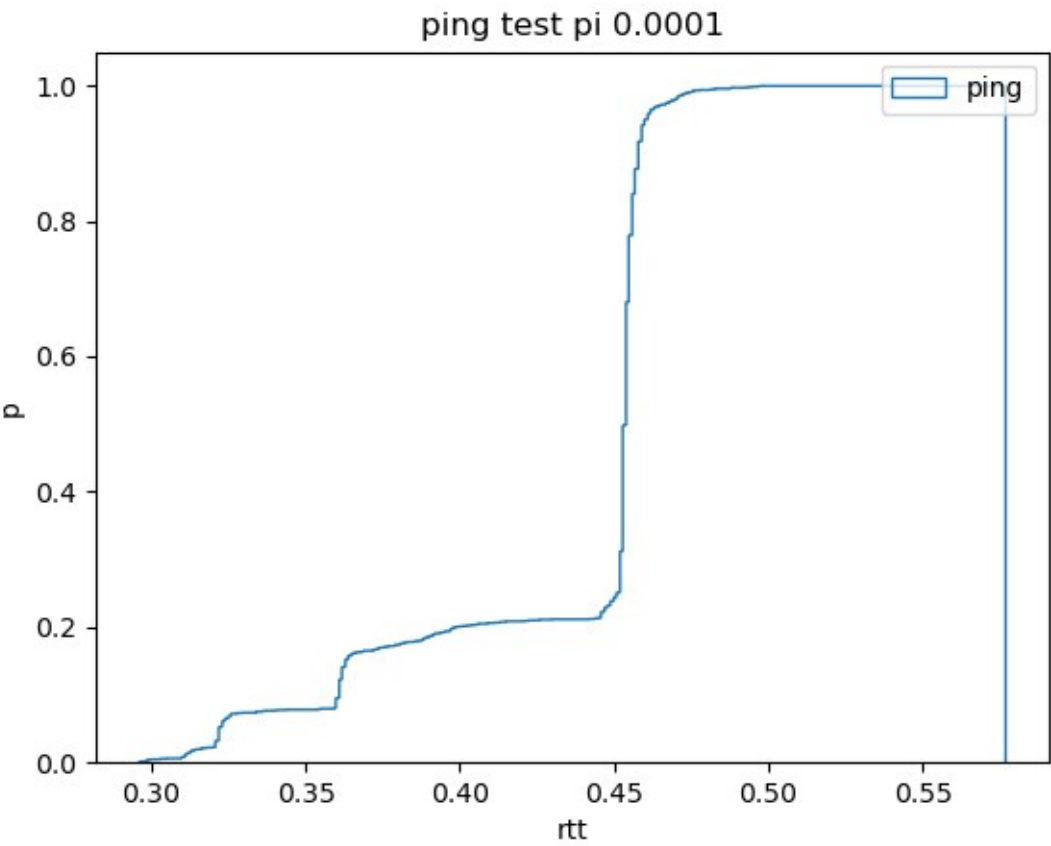4. rtt min/avg/max/mdev = 0.262/0.437/0.640/0.041 ms, ipg/ewma 0.468/0.393 ms

5. rtt min/avg/max/mdev = 0.336/0.505/0.633/0.056 ms



ping test pi 0.01
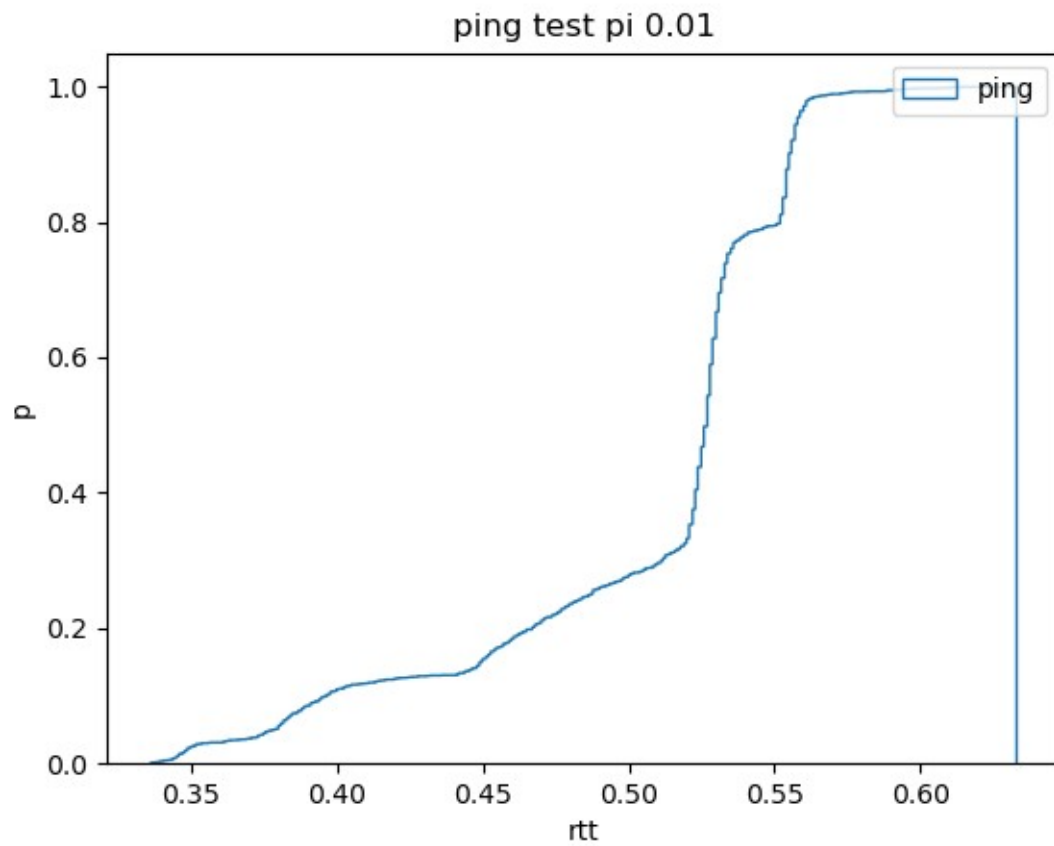
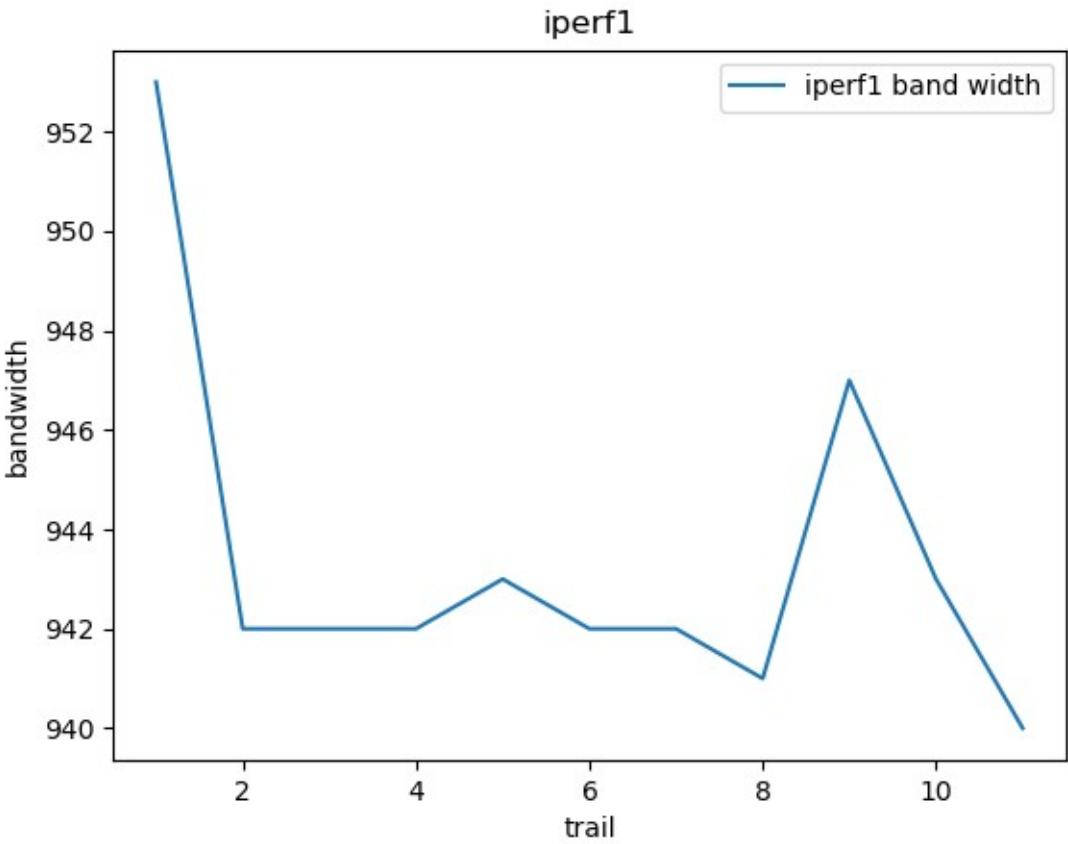rtt min/avg/max/mdev = 0.324/0.471/0.605/0.031 ms



ping test pi 0.001
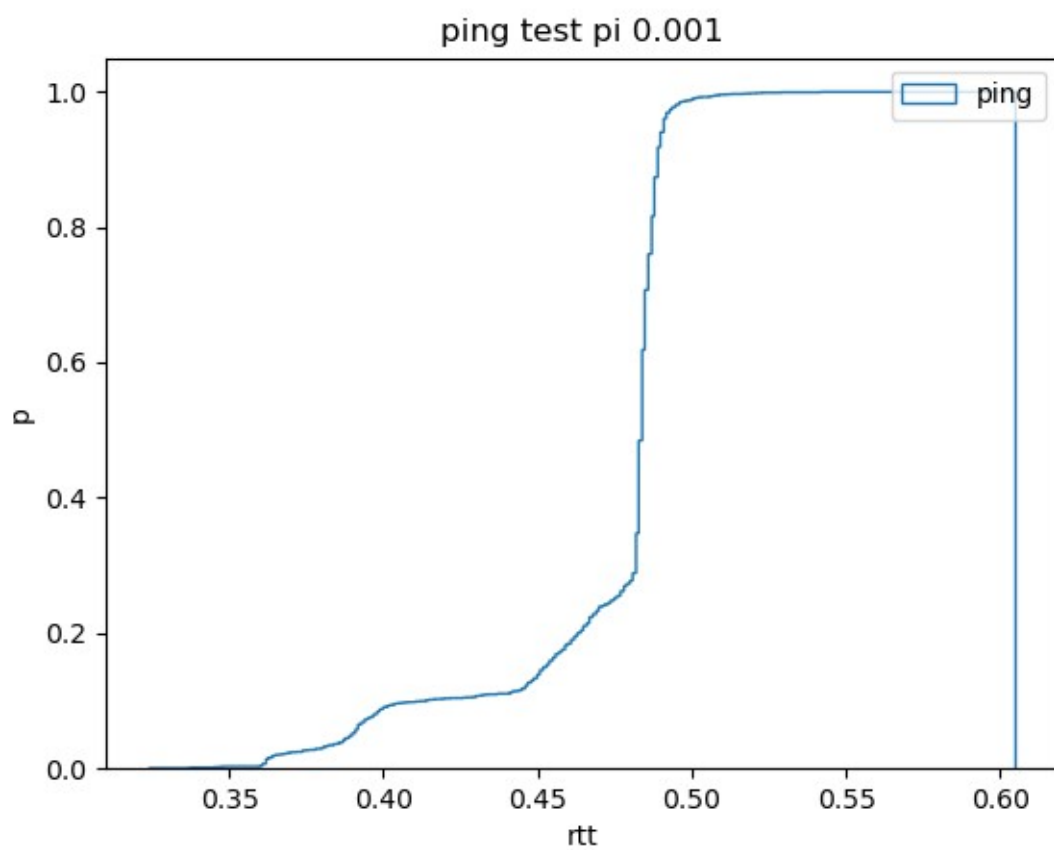
rtt min/avg/max/mdev = 0.296/0.433/0.577/0.044 ms, ipg/ewma 0.465/0.454 ms
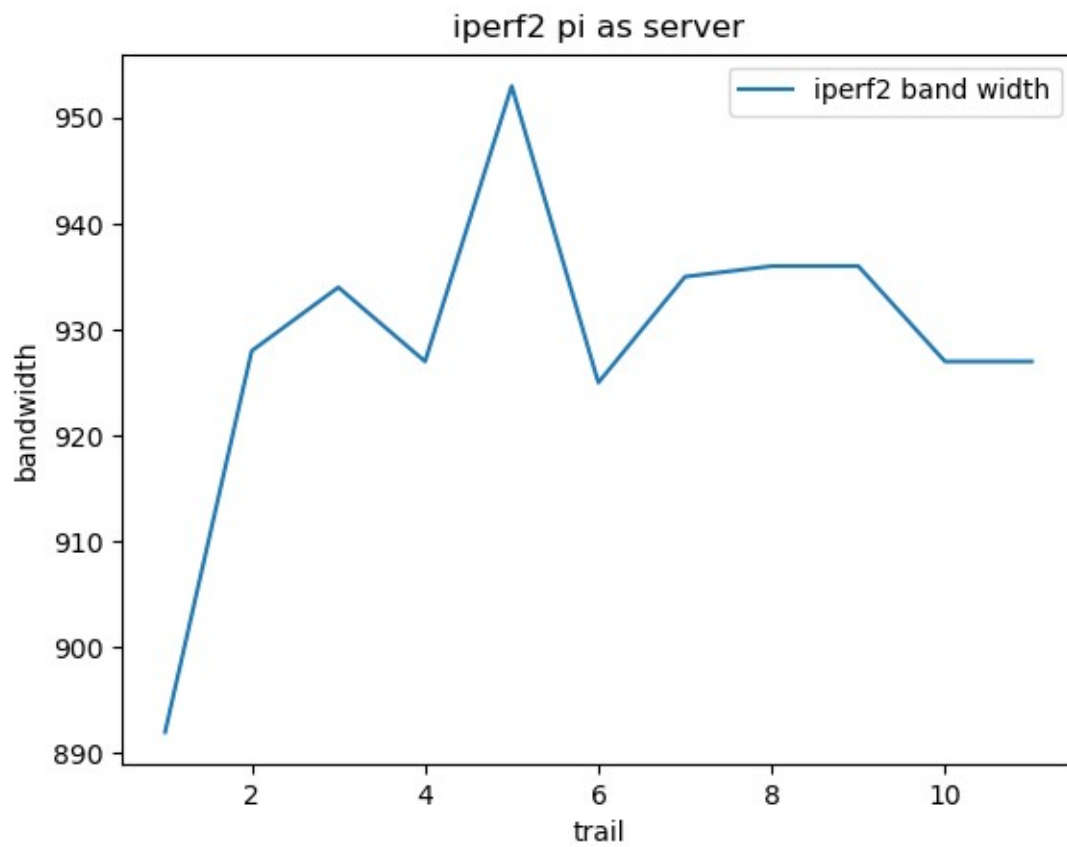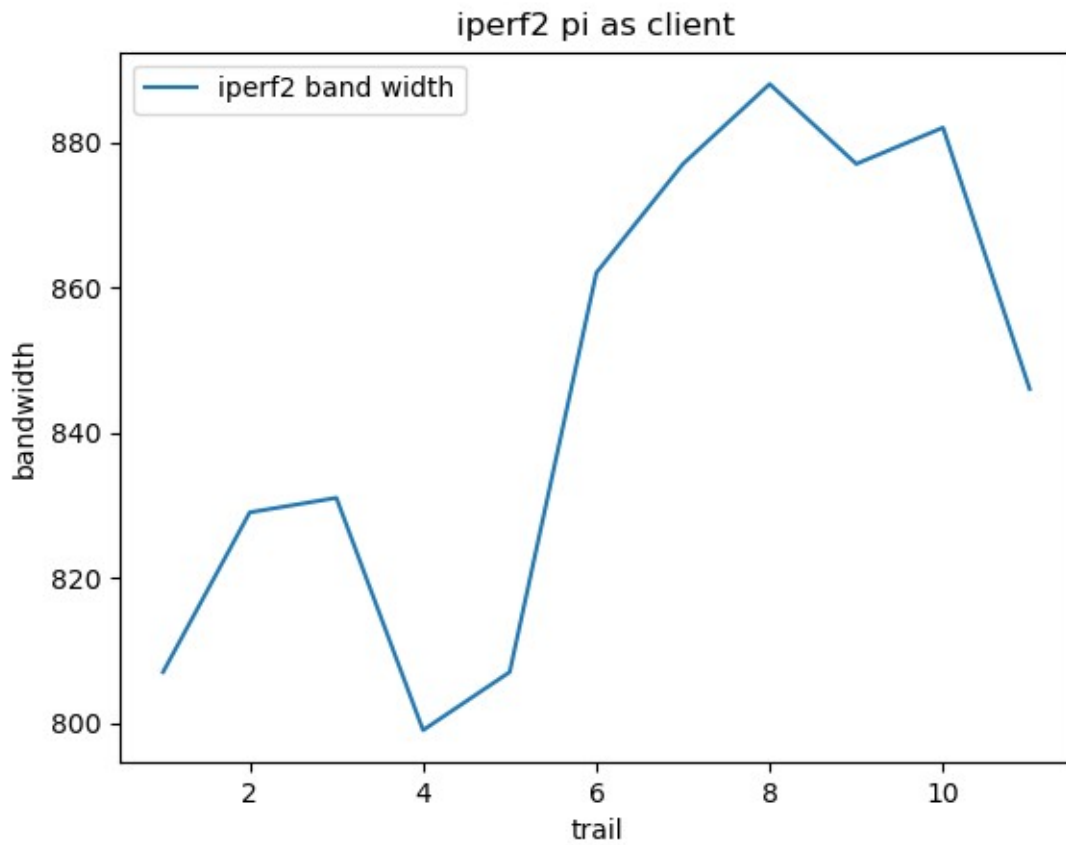
Iperf

1. effective band width : 940Mbits/sec
2. 0.0000-10.0338 sec  1.10 GBytes   940 Mbits/sec

3. pi as server: 0.0000-10.0338 sec  1.10 GBytes   940 Mbits/sec


iperf2 pi as server

pi as client: 0.0000-10.0338 sec  1.10 GBytes   940 Mbits/sec


iperf2 pi as client

4.

| Set_Bandwidth | Interval | Transfer | Bandwidth | Jitter | Lost/Total Datagrams |
|---|---|---|---|---|---|
| 100k | 0.0000-5.1743 sec | 66.0 KBytes | 105 Kbits/sec | 0.003 ms | 0/46 (0%) |
| 1m | 0.0000-5.0213 sec | 616 KBytes | 1.00 Mbits/sec | 0.002 ms | 0/429 (0%) |
| 100m | 0.0000-4.9998 sec | 59.6 MBytes | 100 Mbits/sec | 0.006 ms | 0/42521 (0%) |



iperf_3 lost at different bandwidth
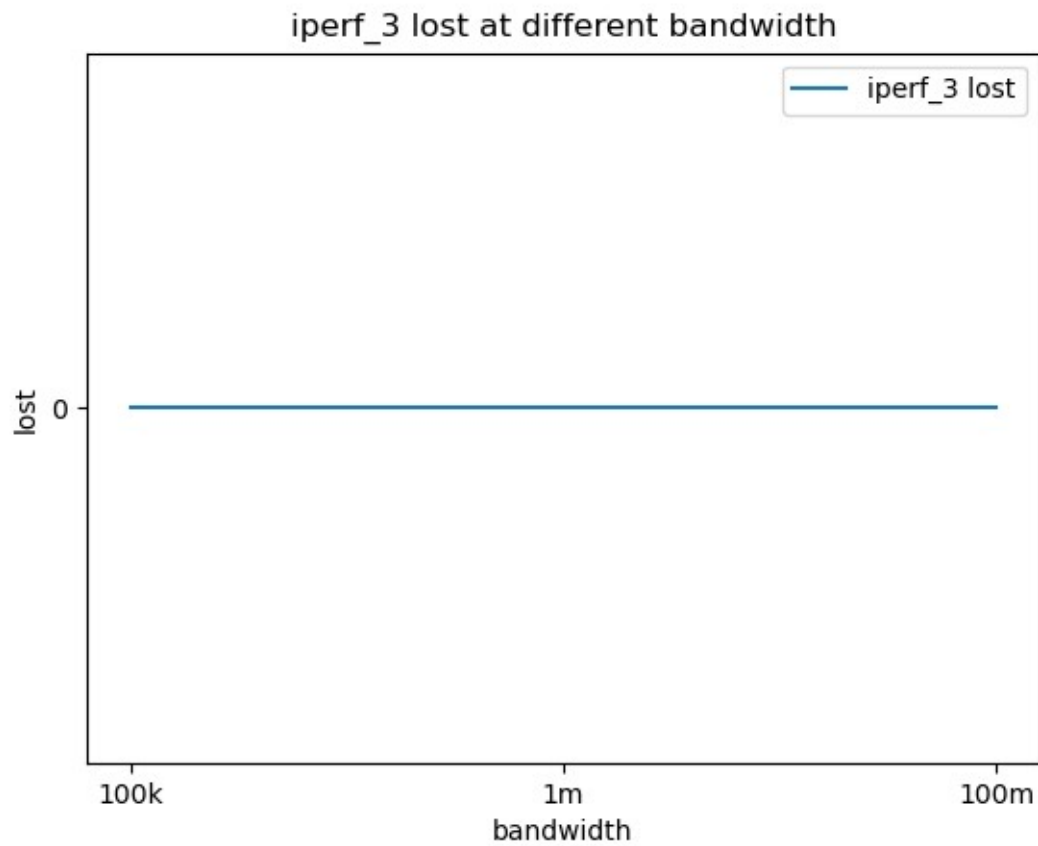
Iperf3:
1. Effective bandwidth:



iperf3 effective bandwidth
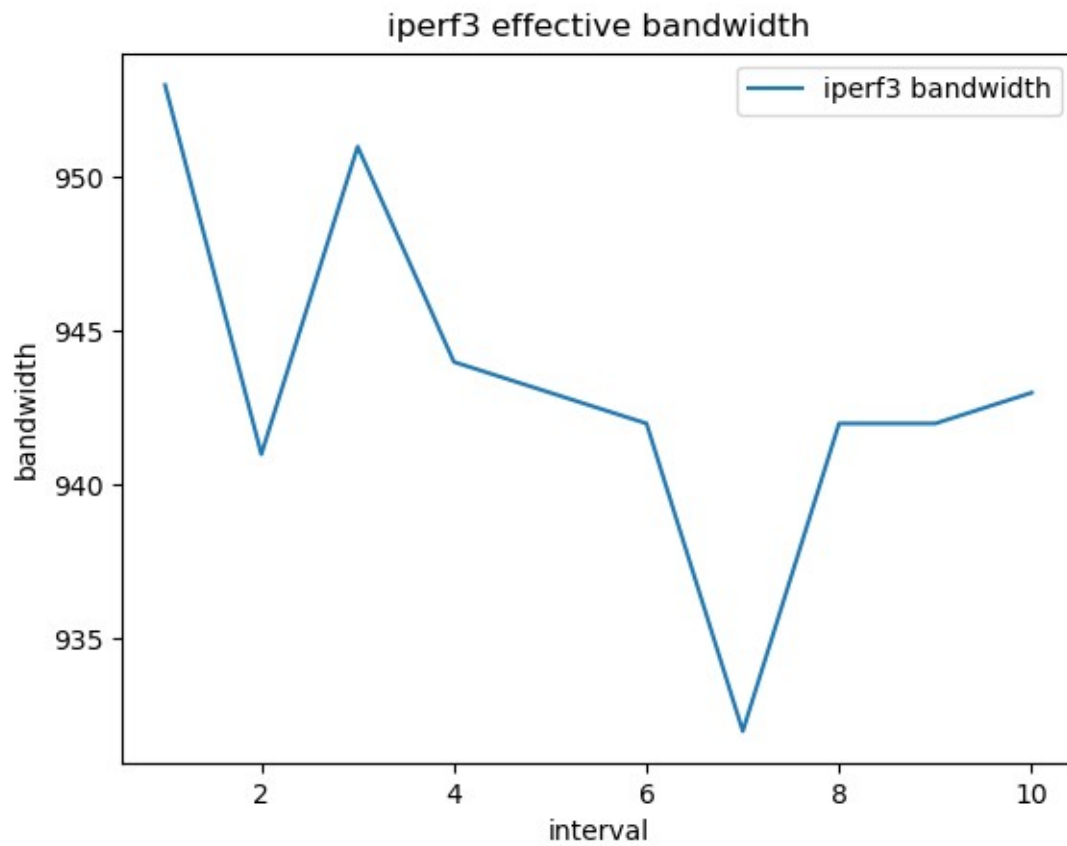
2. For the bandwidth selected, the result of iperf and iperf3 has no significant difference



iperf3 lost at different bandwidth