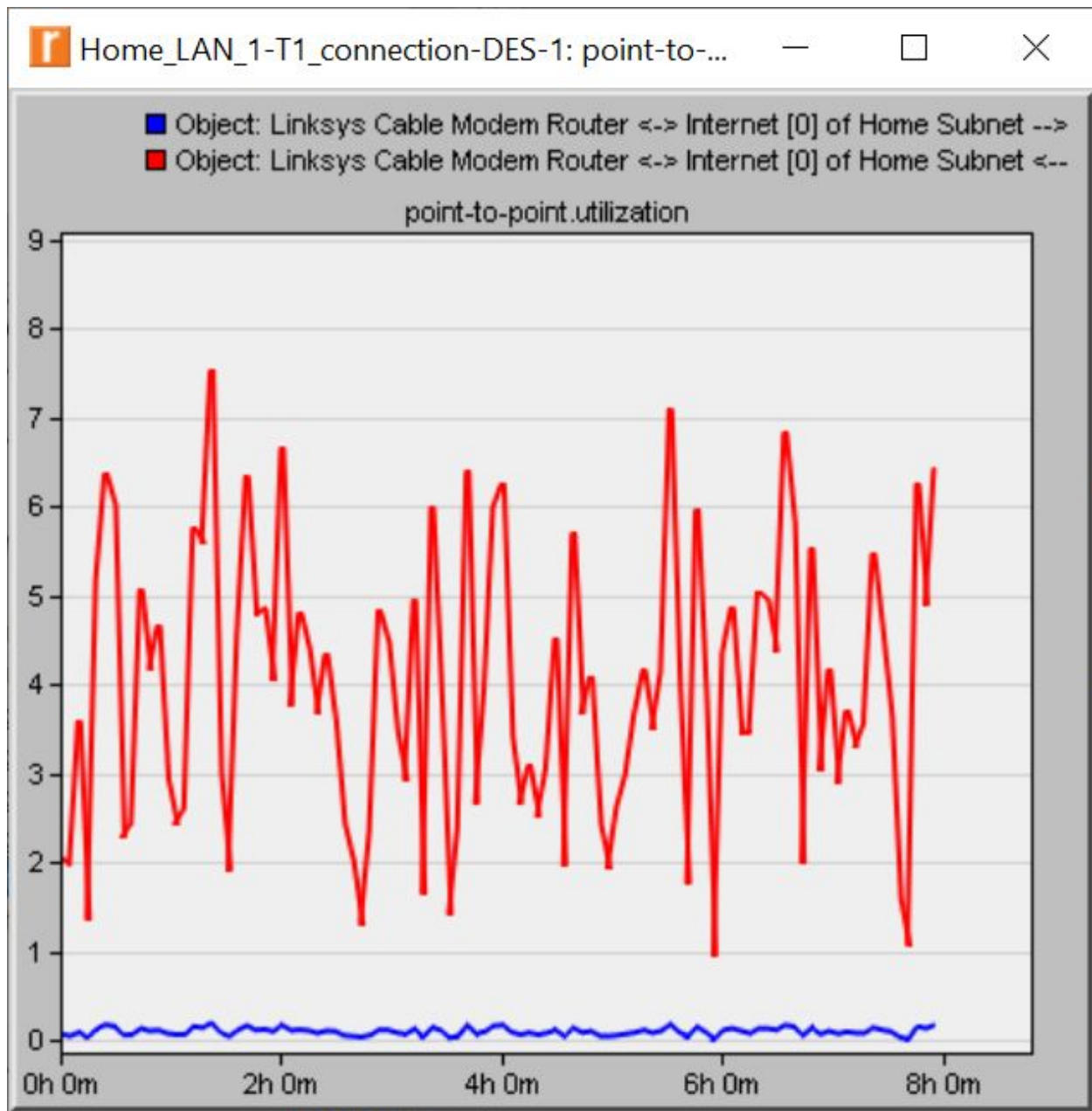


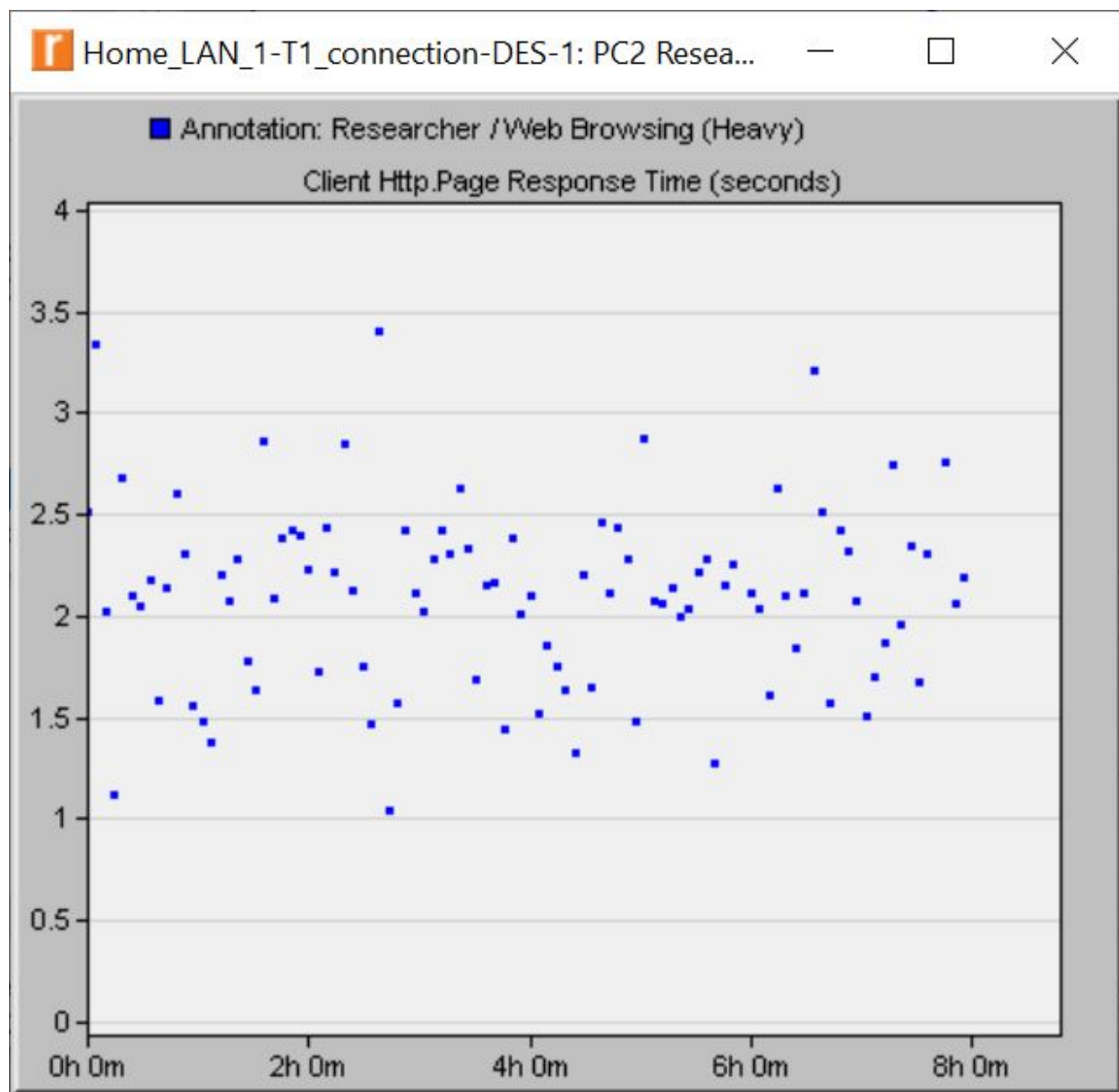
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CS 2600 - X01  
Lab 1  
2/24/2021

### Riverbed Modeler Lab Exercise 1: Modeler Installation and Evaluating Internet Connection Choices for a Small Home PC Network

Results for the T1 Scenario:

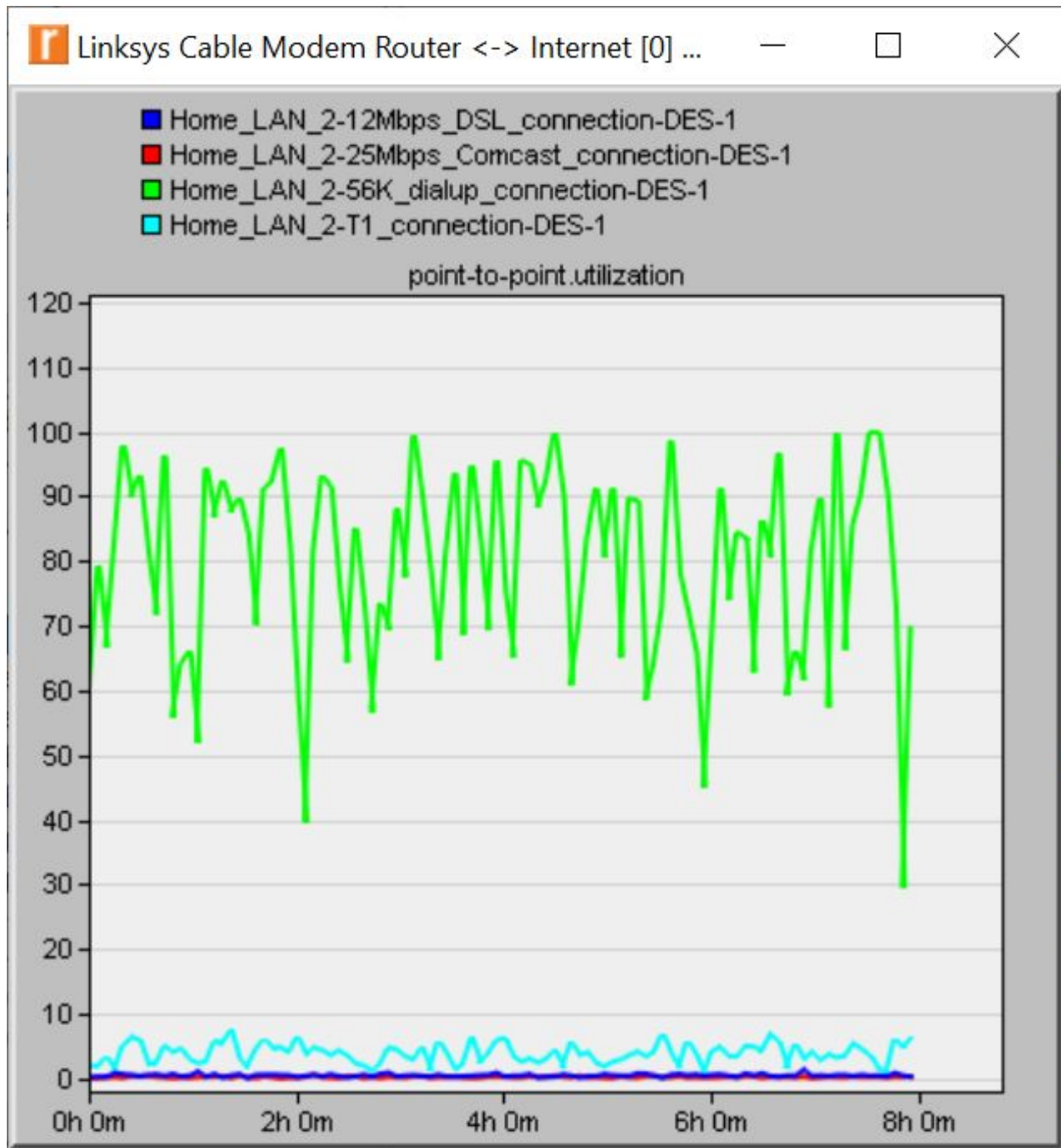


T1 Utilization Graph

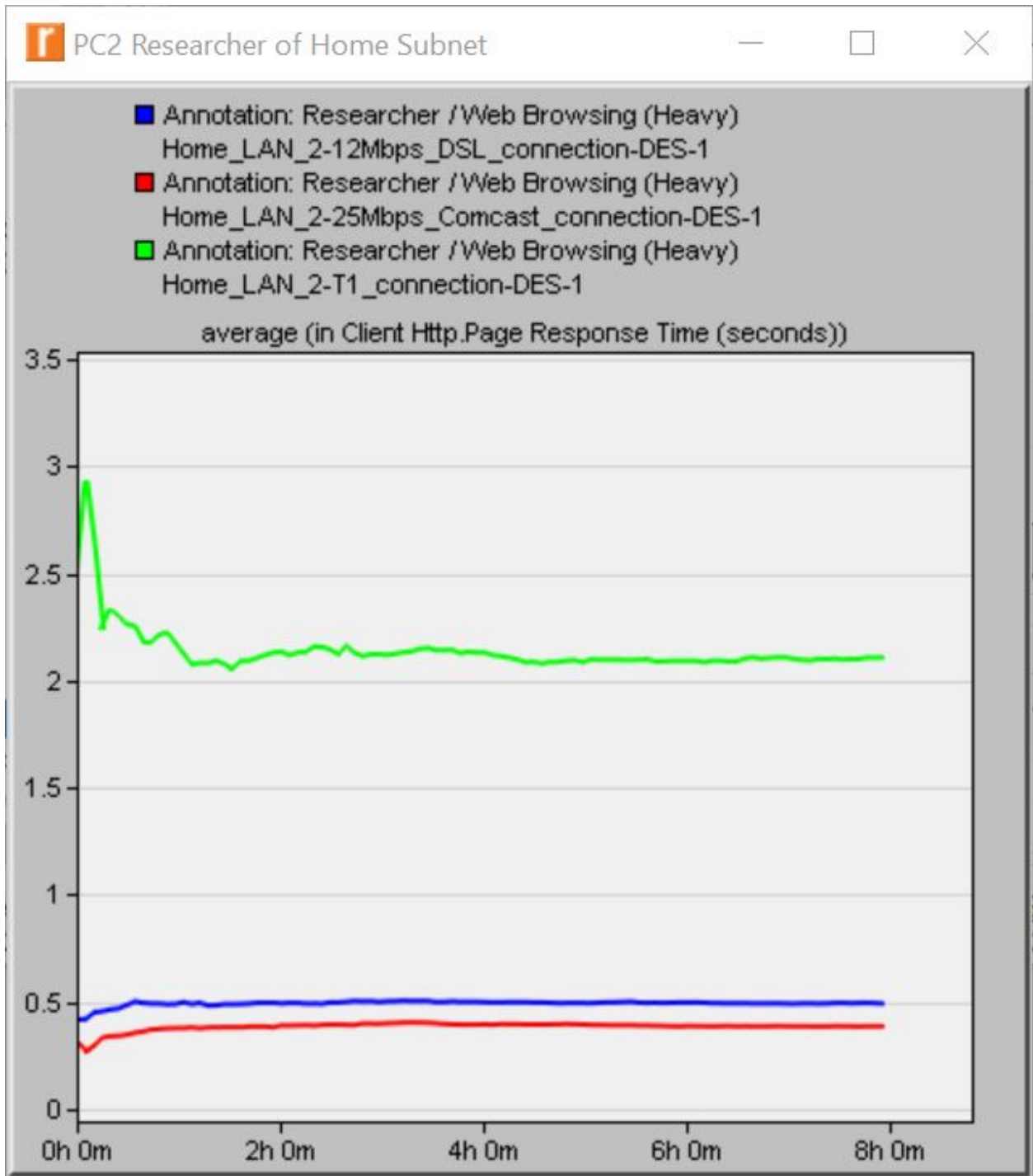


T1 Response Time Graph

## Results Comparison for the Scenarios:



56K, 12Mbps, 25Mbps, T1 Response Time Graph



12Mbps, 25Mbps, T1 Response Time(average) Graph

## Recommendations:

**56K dialup**: This will not meet the family's utilization and response time demands.

**T1**: This will not be a good option for cost reasons. It's 5 to 10 times more expensive than other options that meet the utilization and response time demands.

**12-Mbps**: Probably the best option for the family. The cheapest option that meets the utilization and response time demands.

**25-Mbps**: Second best option. It's more expensive and it does not provide additional benefits for the family.

### Advanced Scenario:

5-Mbps provided around .80 seconds of response time on the PC2 Researcher computer.

4-Mbps provided around 1 seconds of response time on the PC2 Researcher computer.

