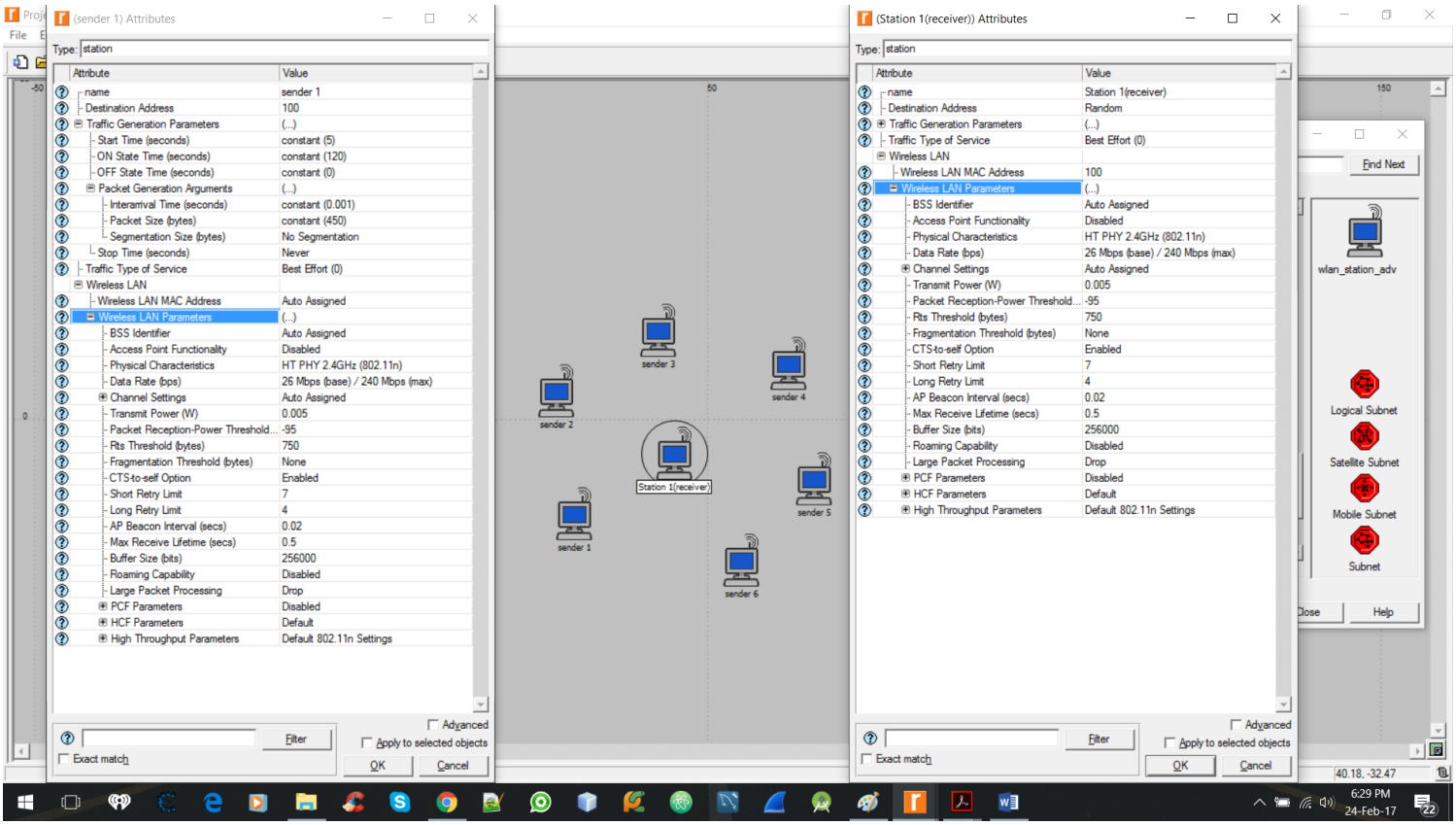
CSE 5345 Lab # 1 – OPNET

Name: Ritesh Deshmukh

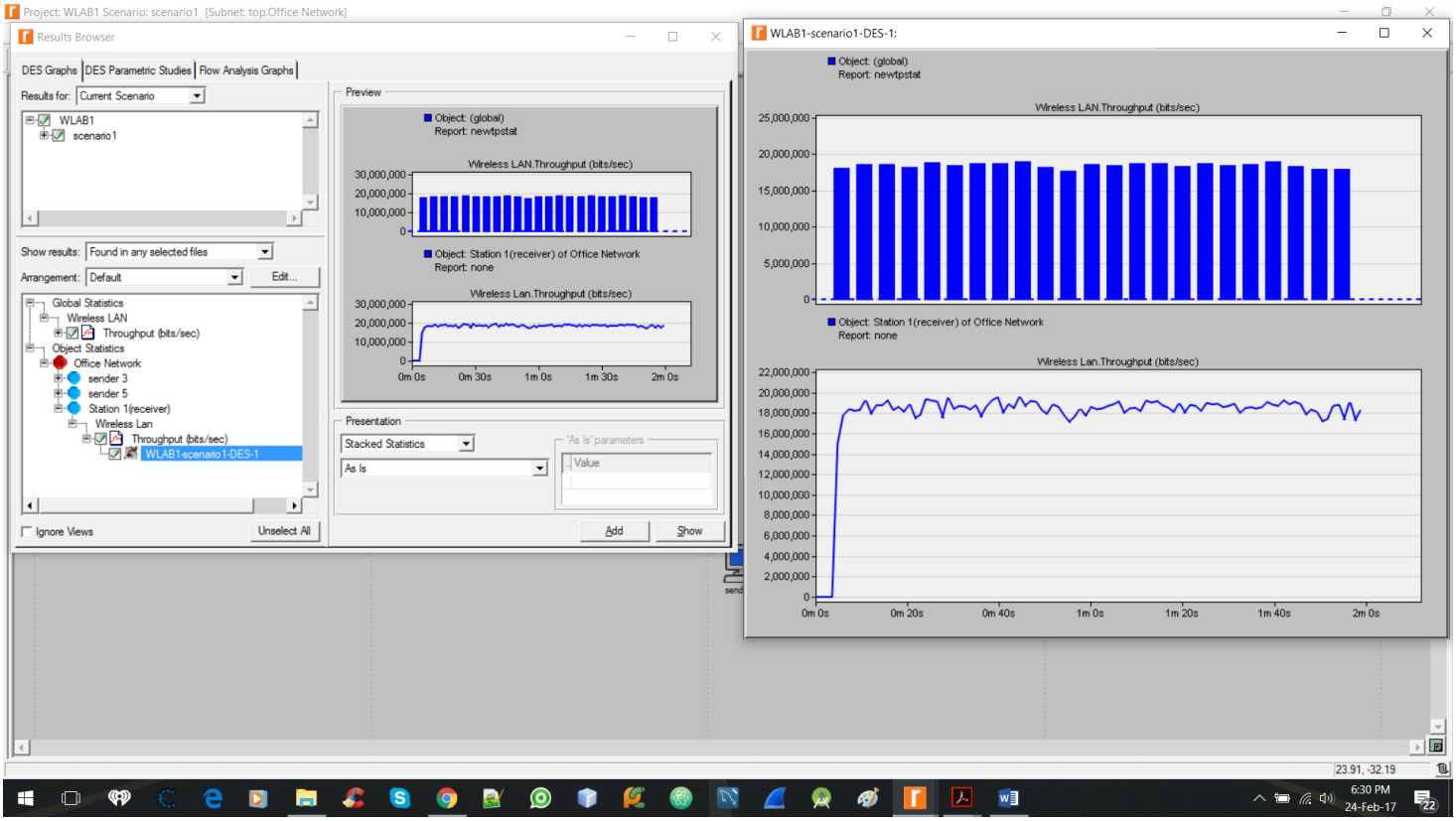
Scenario 1

Station 1 will be serving as receiving station, without sending out its own traffic. Six other stations will be sending traffic destined to Station 1. For all the 6 stations, packet size shall be set to constant 450 bytes. Set RTS threshold to be 750 bytes in the WLAN parameters. Do not change physical layer parameters (e.g. data rate).

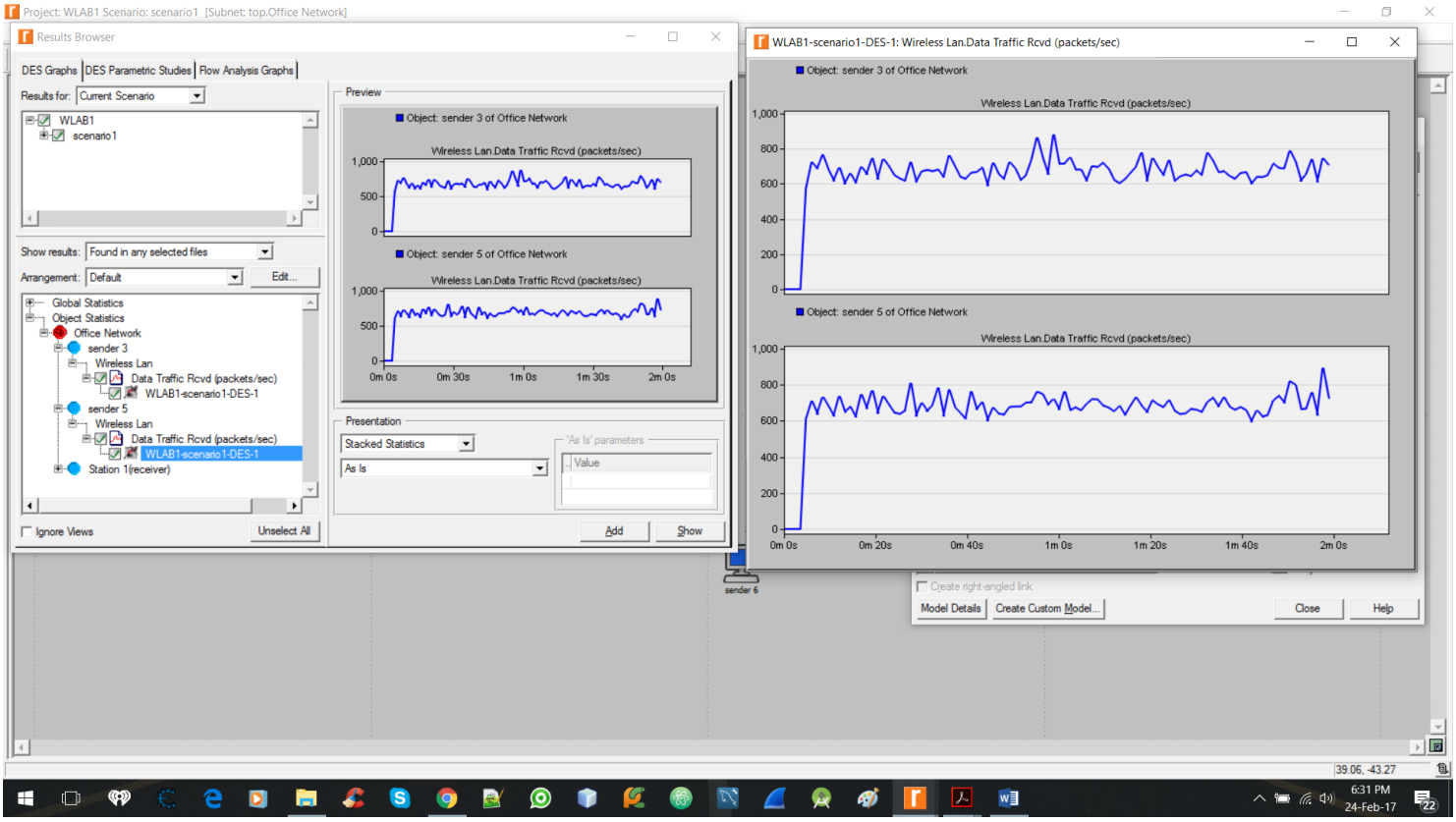
Setup:



Scenario1(a)



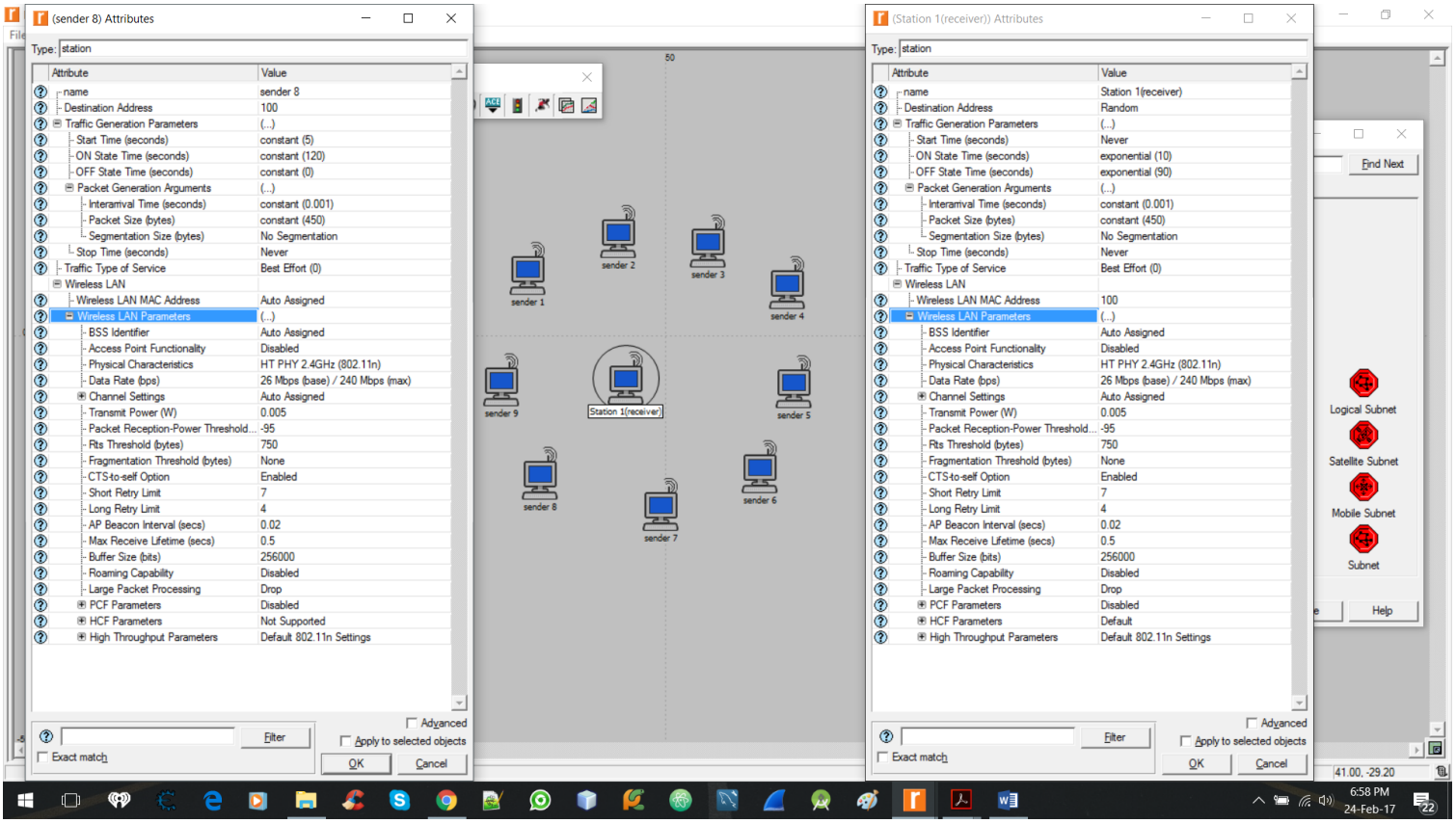
Scenario1(b)



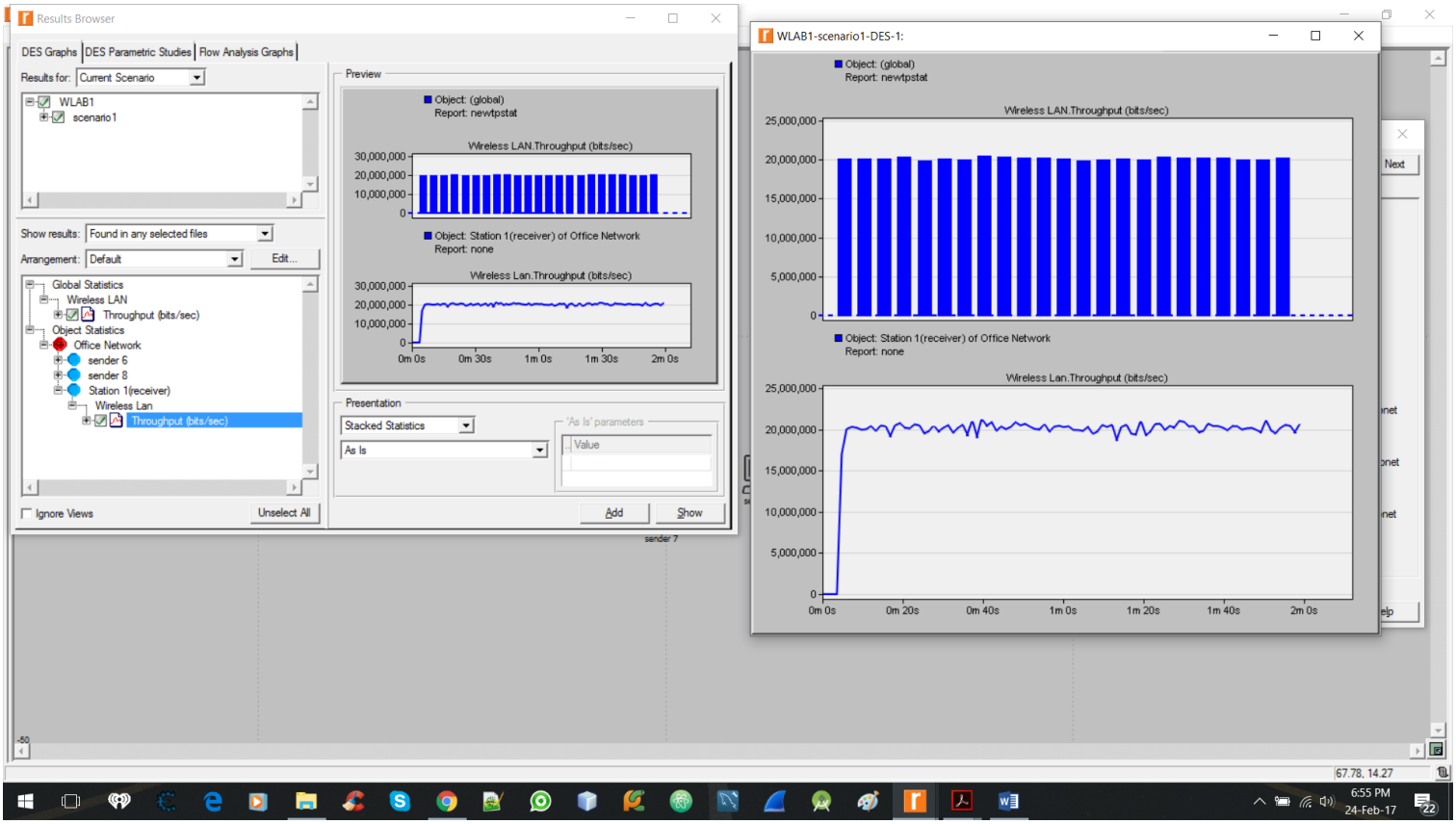
Scenario 2

Station 1 will be serving as receiving station, without sending out its own traffic. Nine other stations will be sending traffic destined to Station 1. For all the 10 stations, packet size can be set to constant 450 bytes. Set RTS threshold to 750 bytes in the WLAN parameters. Do not change physical layer parameters (e.g. data rate).

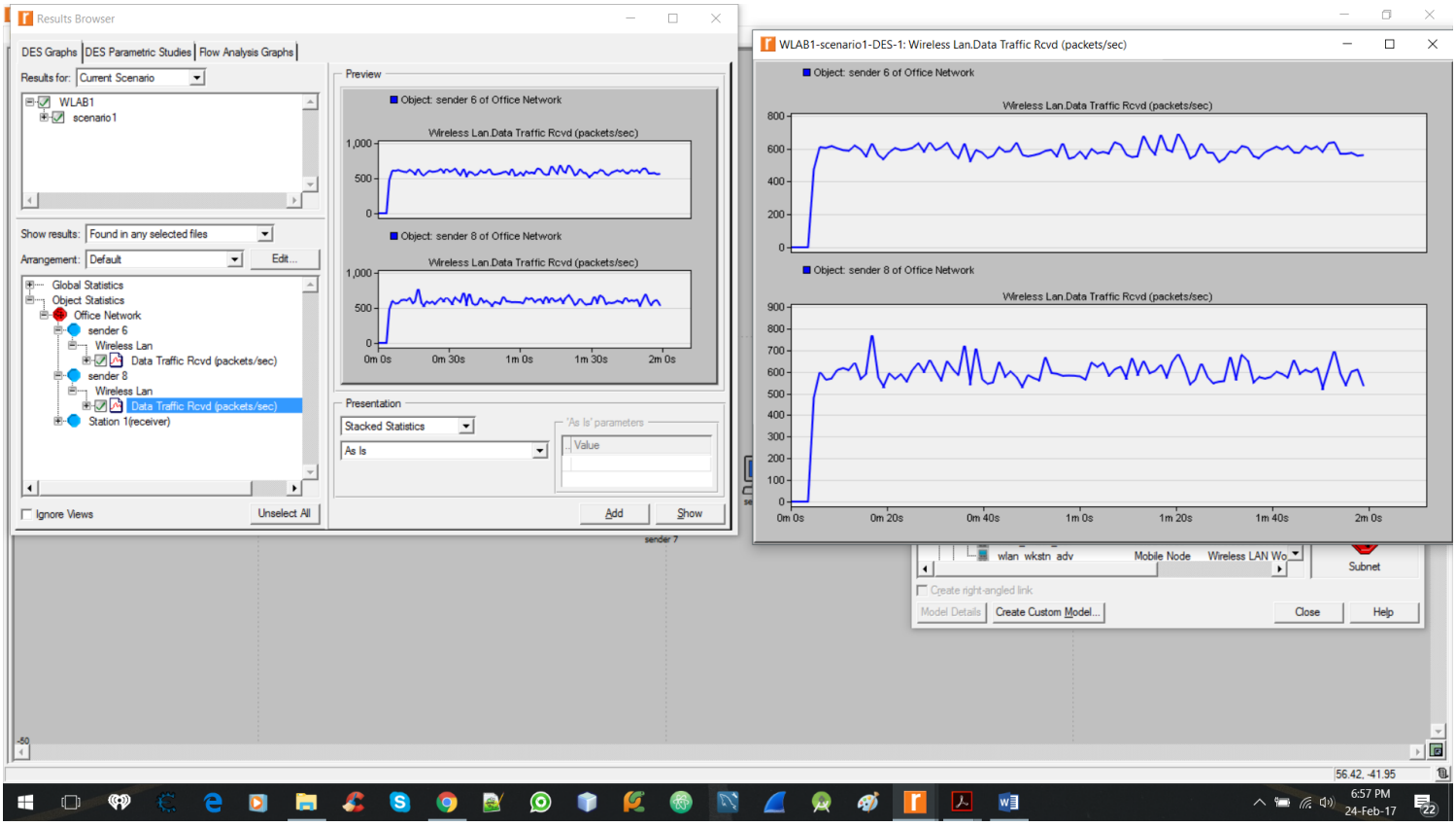
Setup:



Scenario2(a)



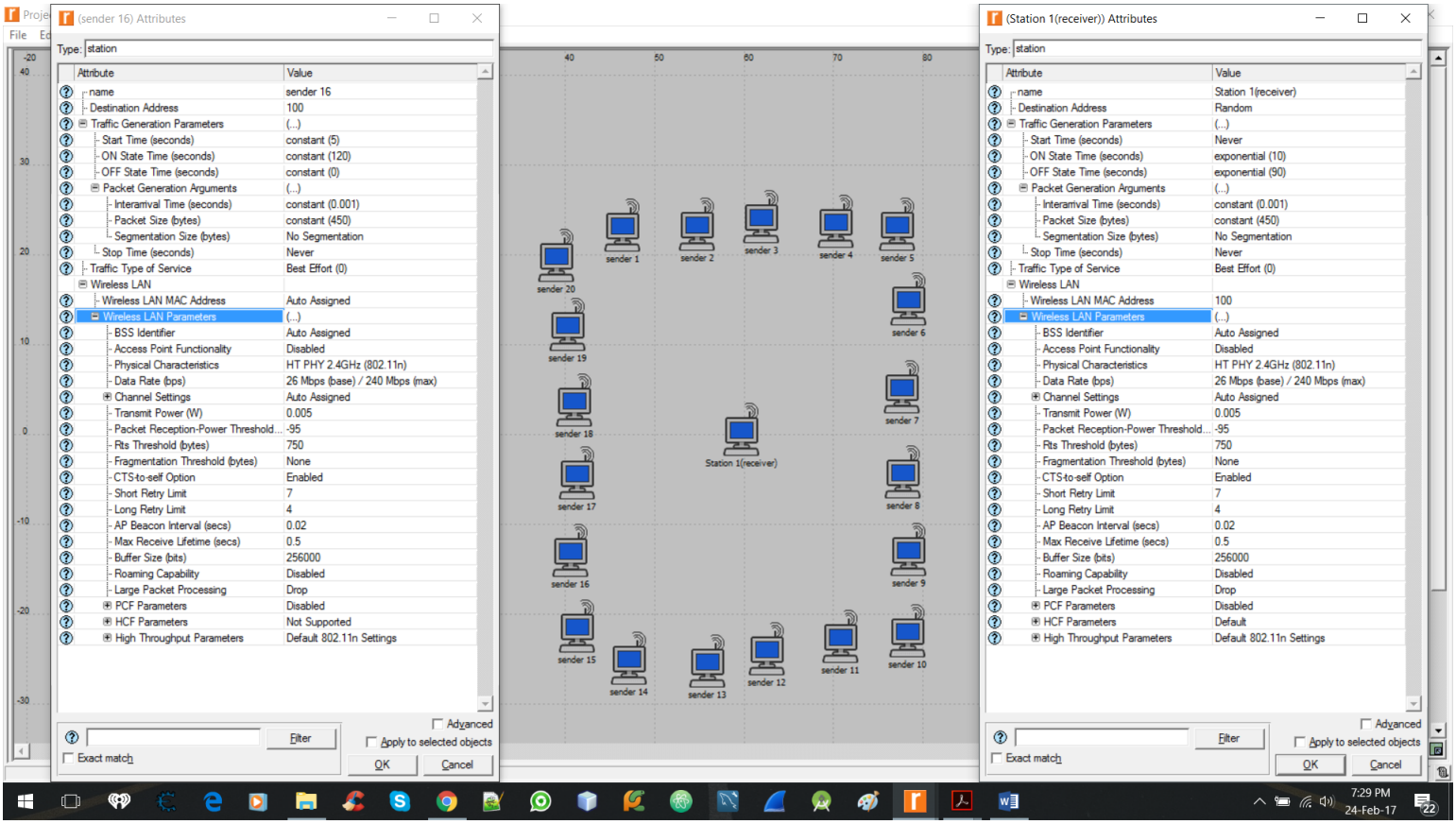
Scenario2(b)



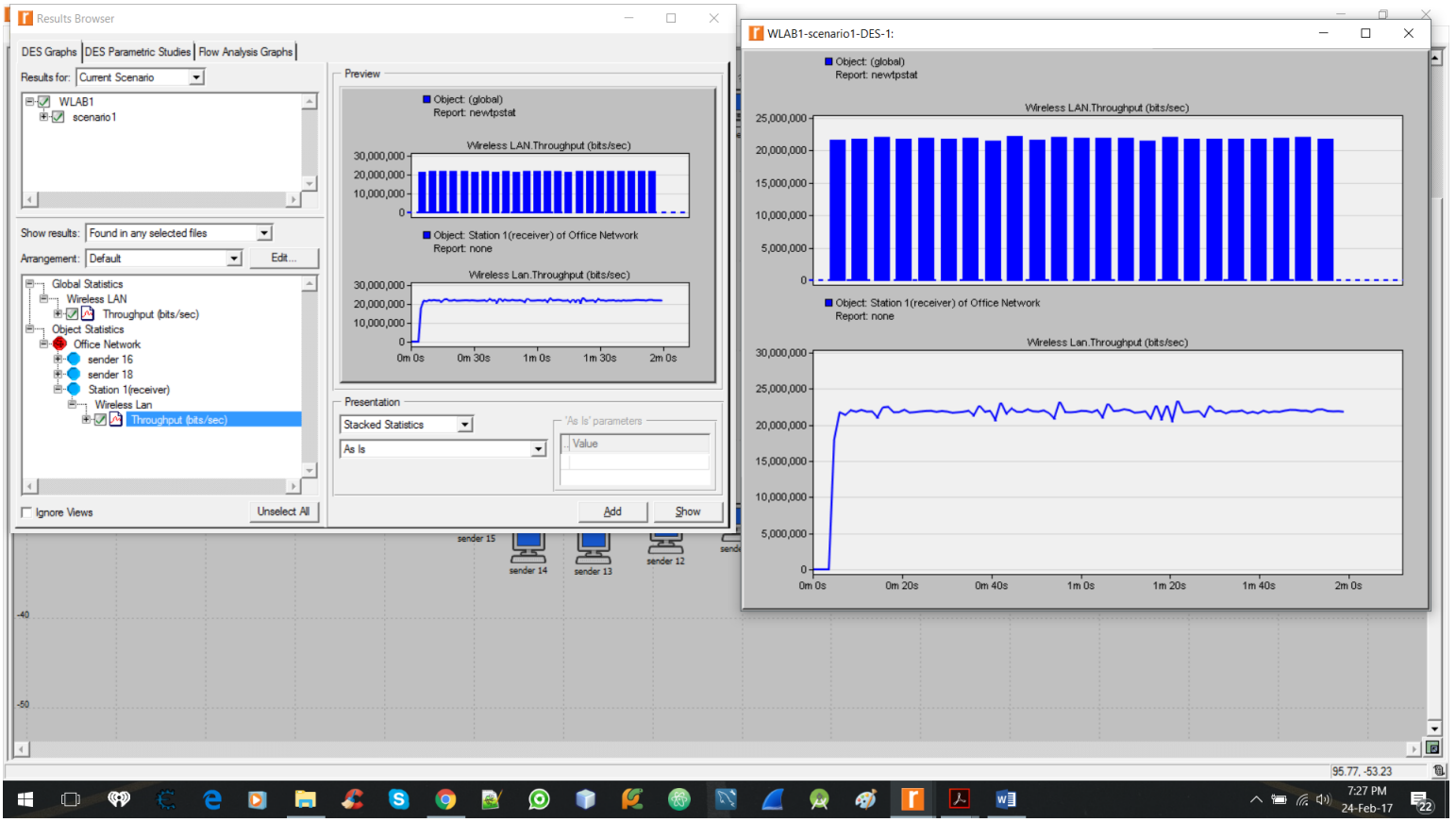
Scenario 3

Station 1 will be serving as receiving station, without sending out its own traffic. 20 other stations will be sending traffic destined to Station 1. For all the 20 stations, packet size shall be set to 450 bytes. Set RTS threshold to be 750 bytes in the WLAN parameters. Do not change physical layer parameters (e.g. data rate).

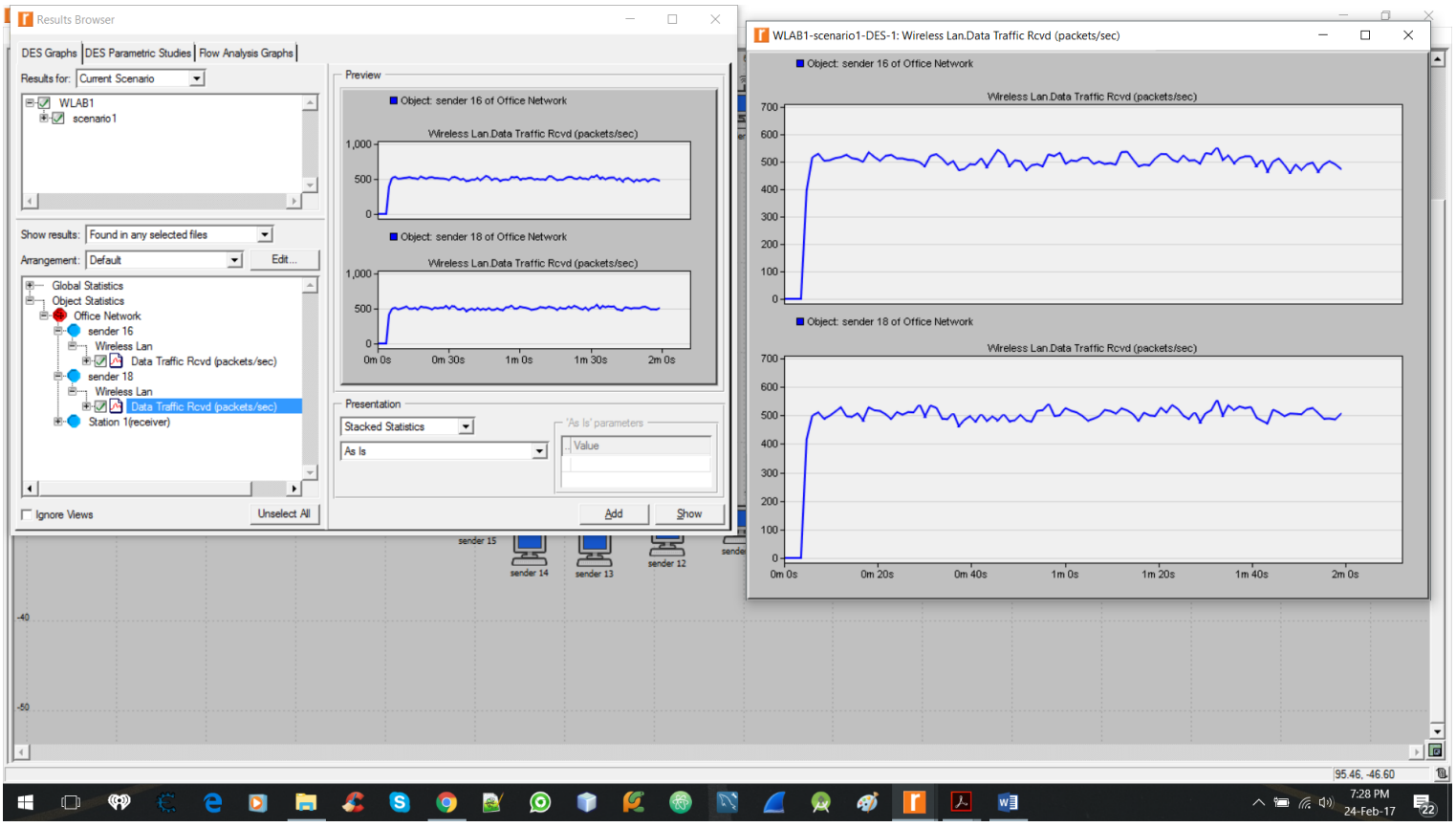
Setup



Scenario3(a)



Scenario3(b)

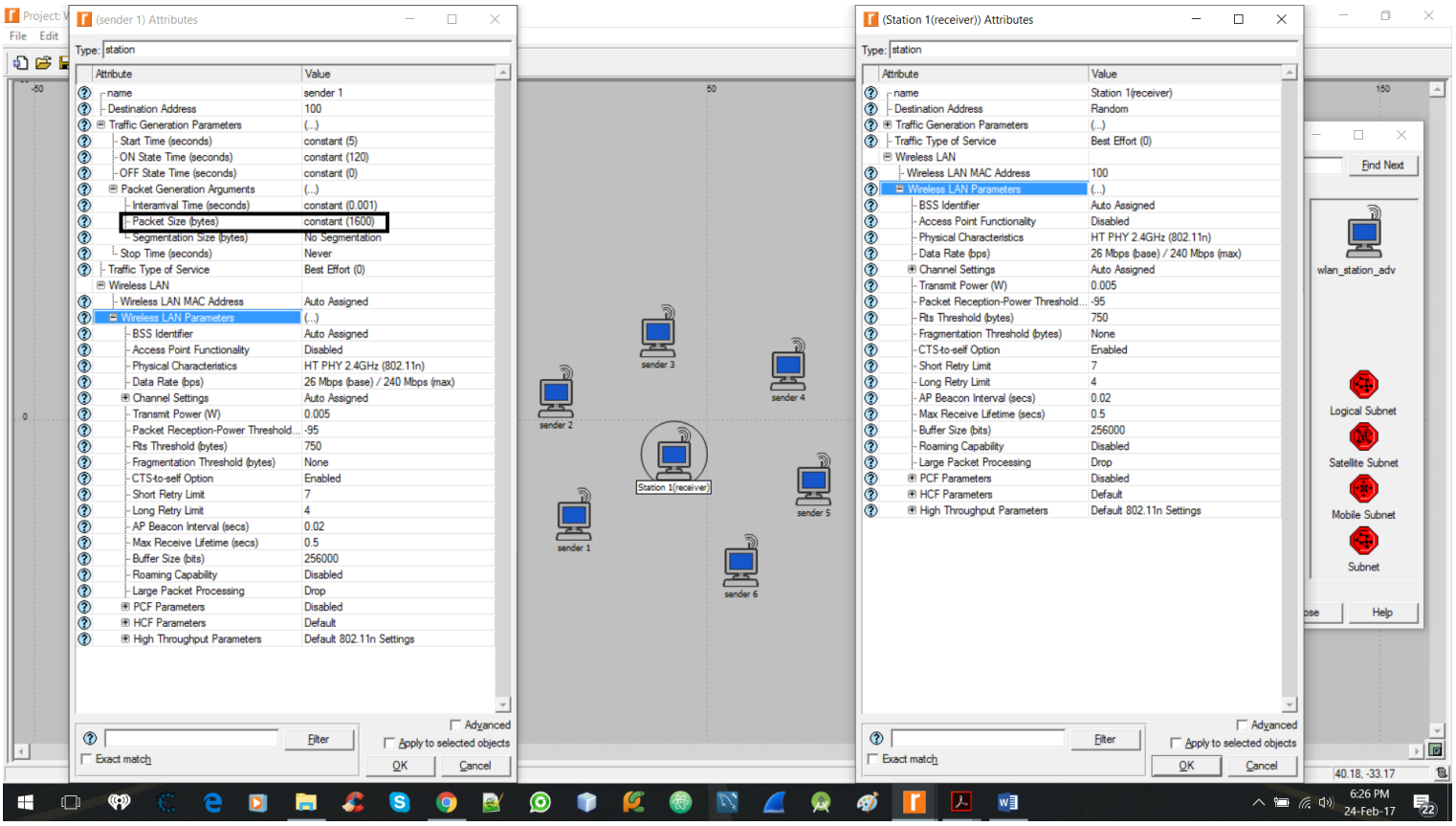


Scenario 4

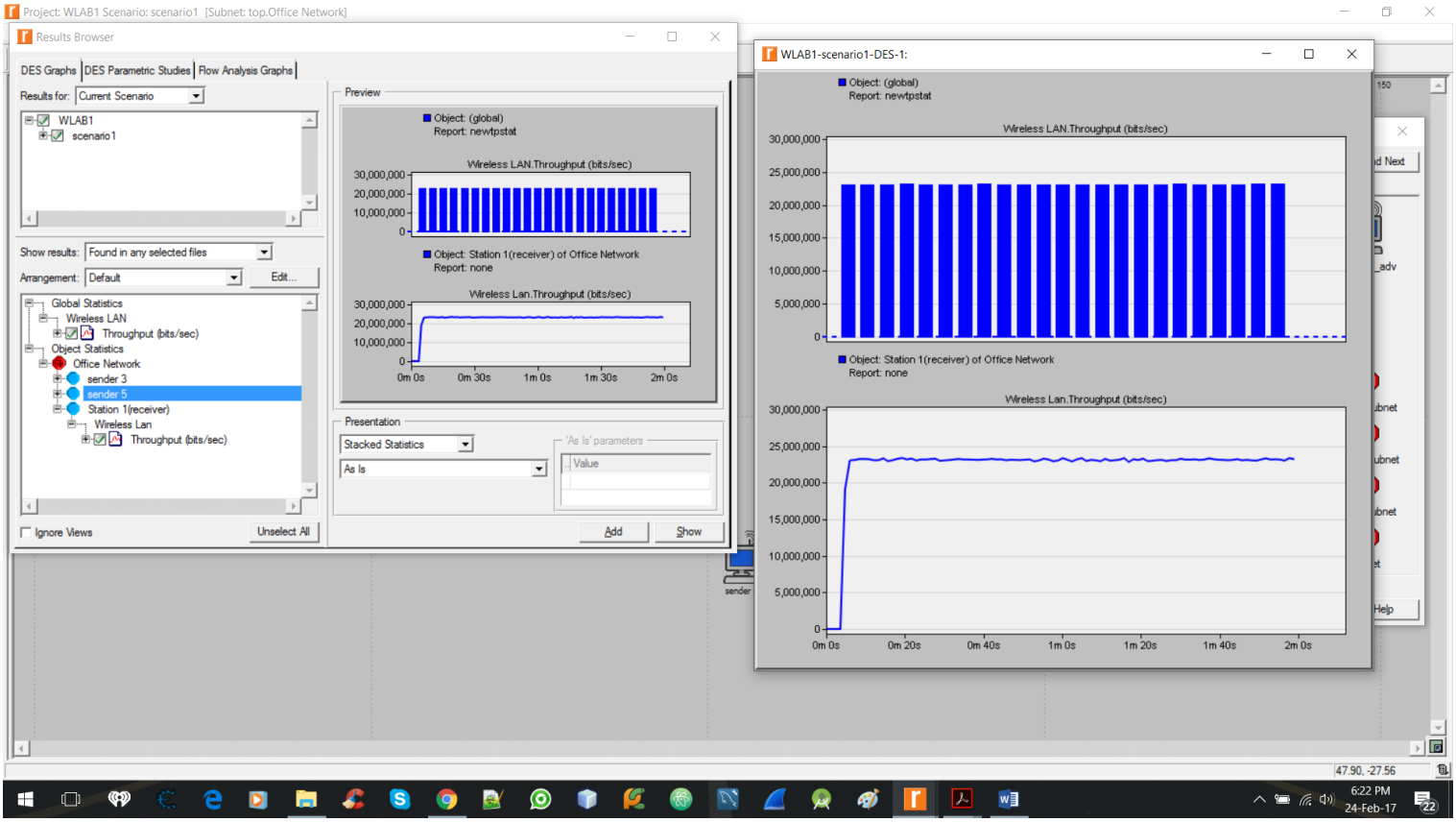
Change the packet size to 1600 bytes.

Scenario 4.1

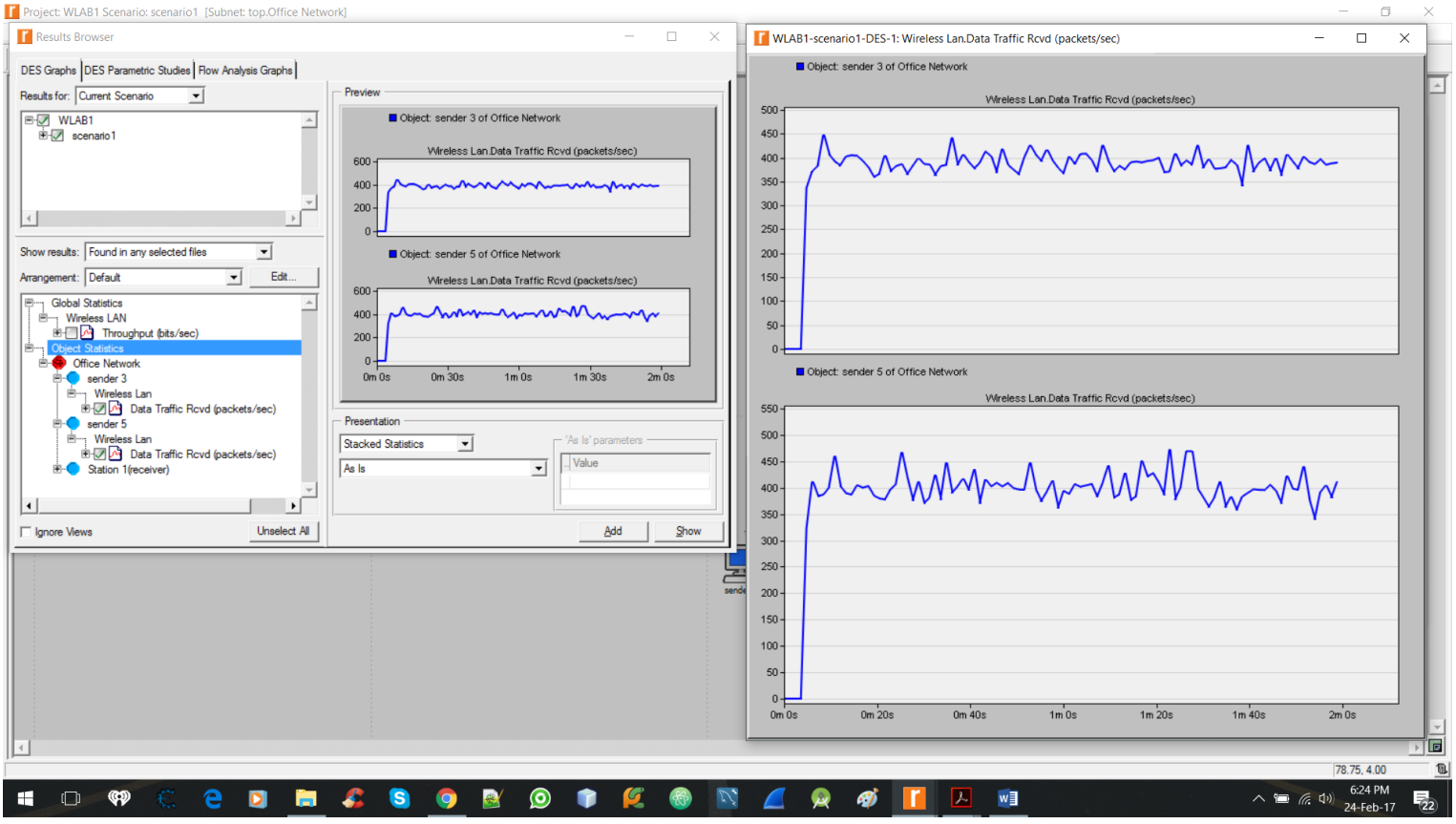
Setup:



Scenario4.1(a)



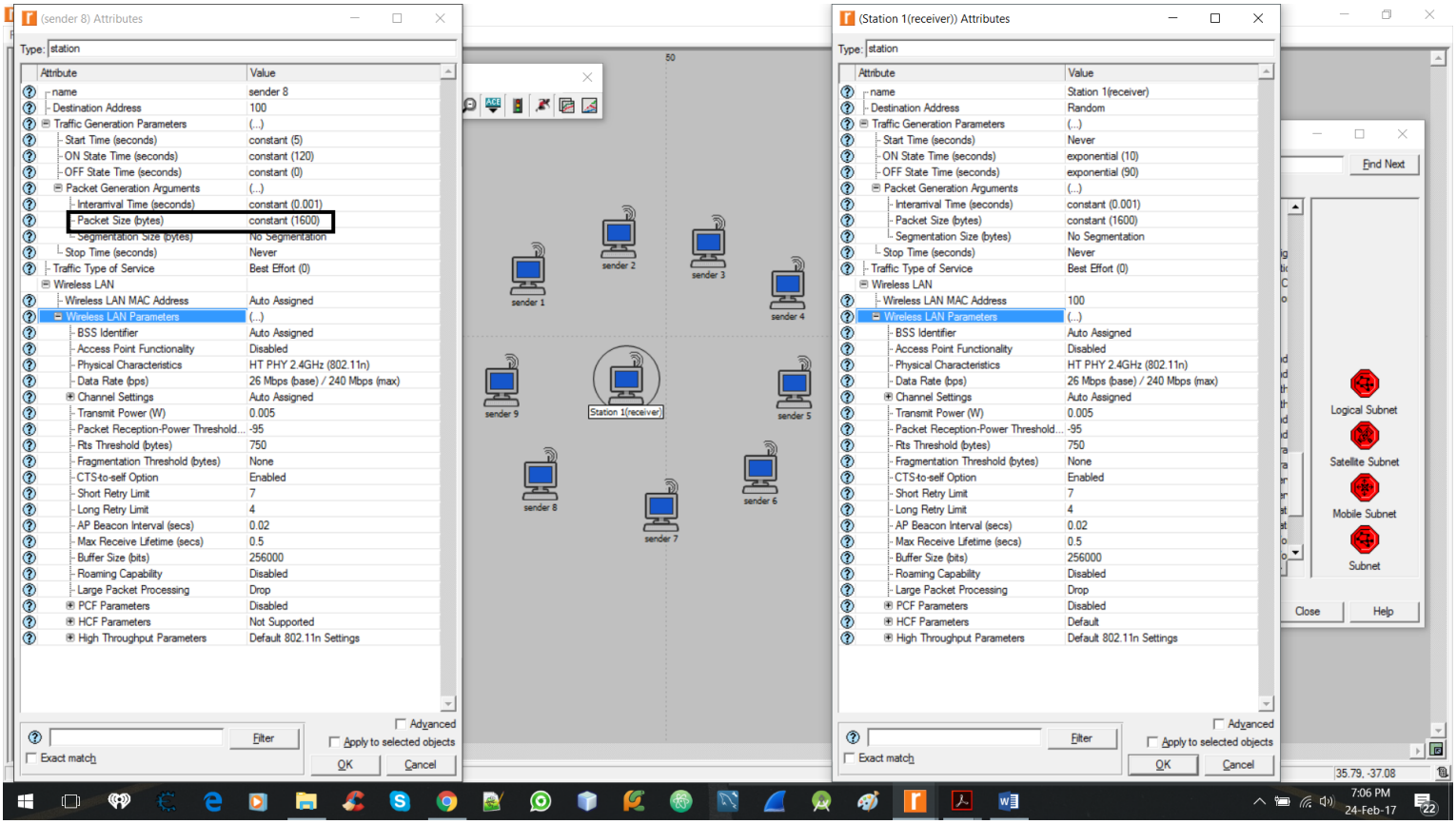
Scenario4.1(b)



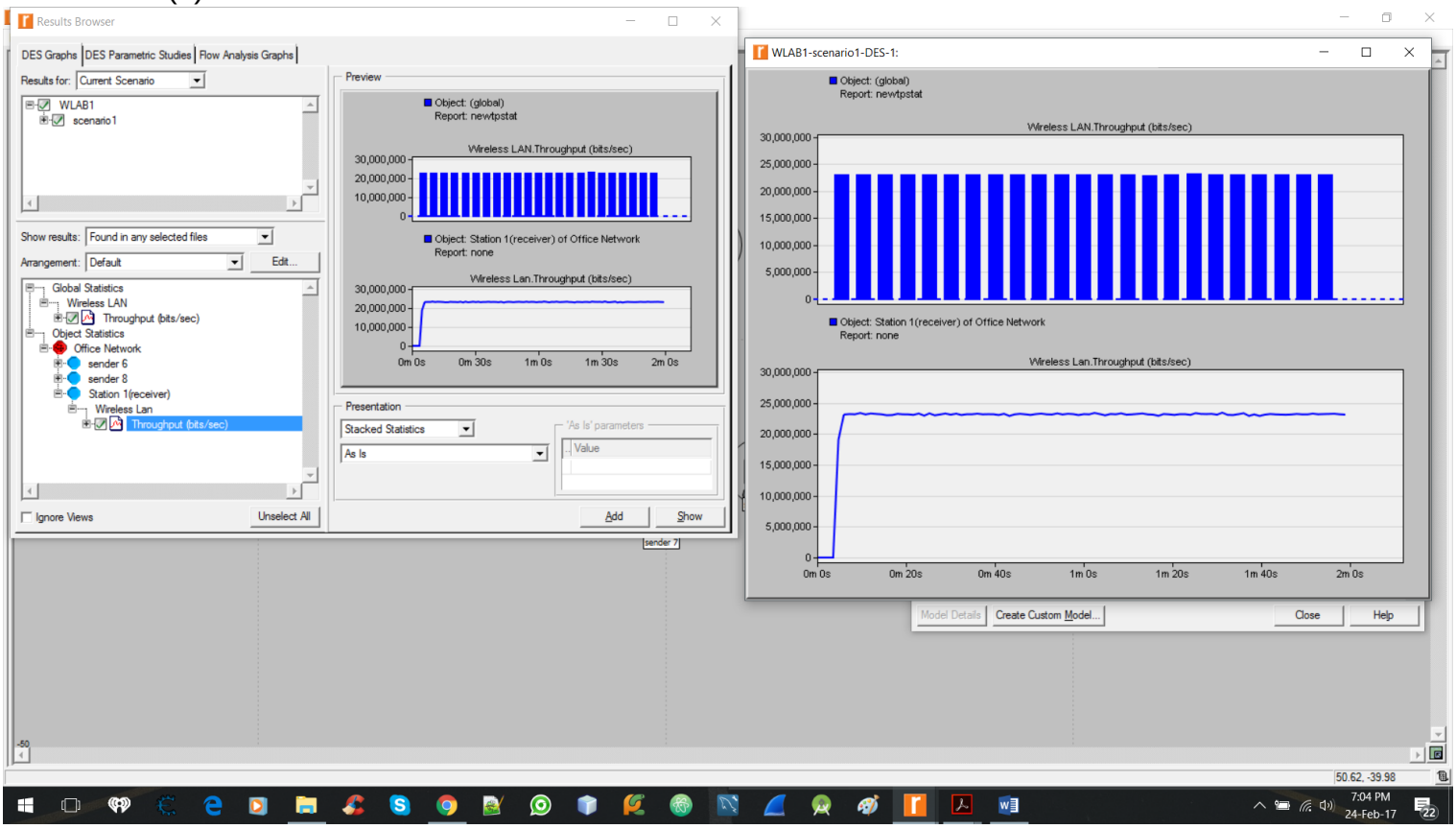
Ritesh Deshmukh

Scenario 4.2

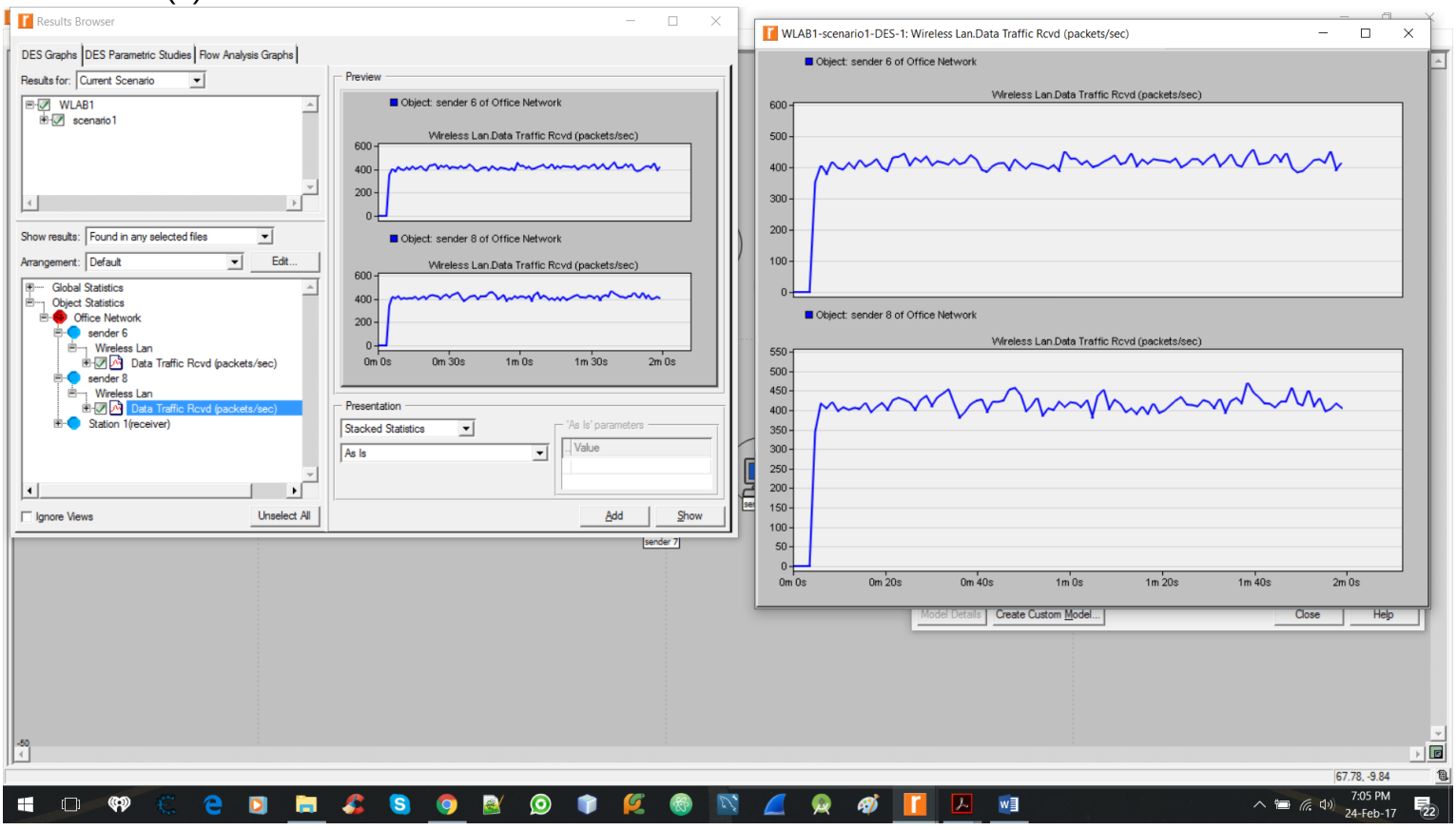
Setup



Scenario4.2(a)

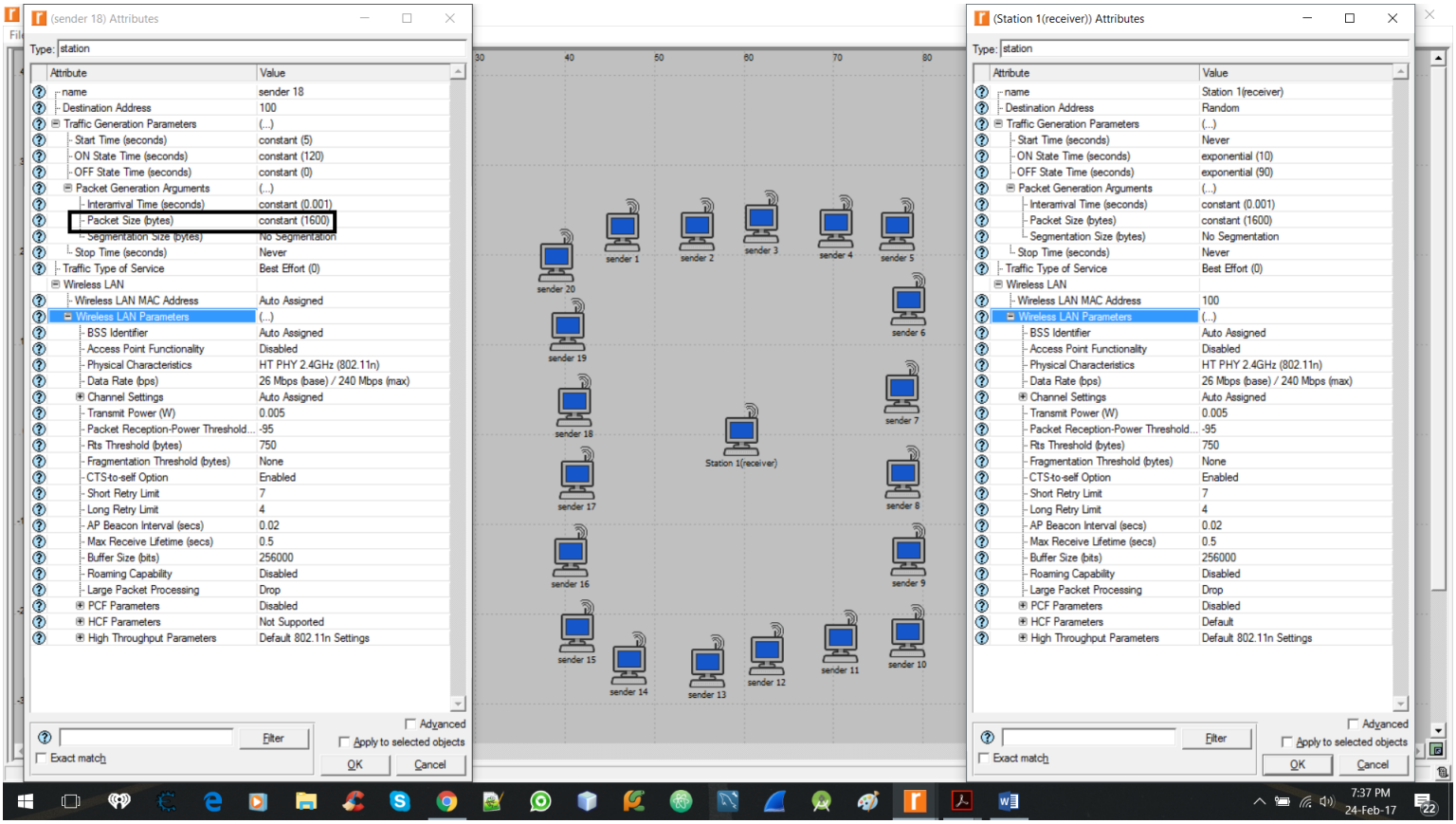


Scenario4.2(b)

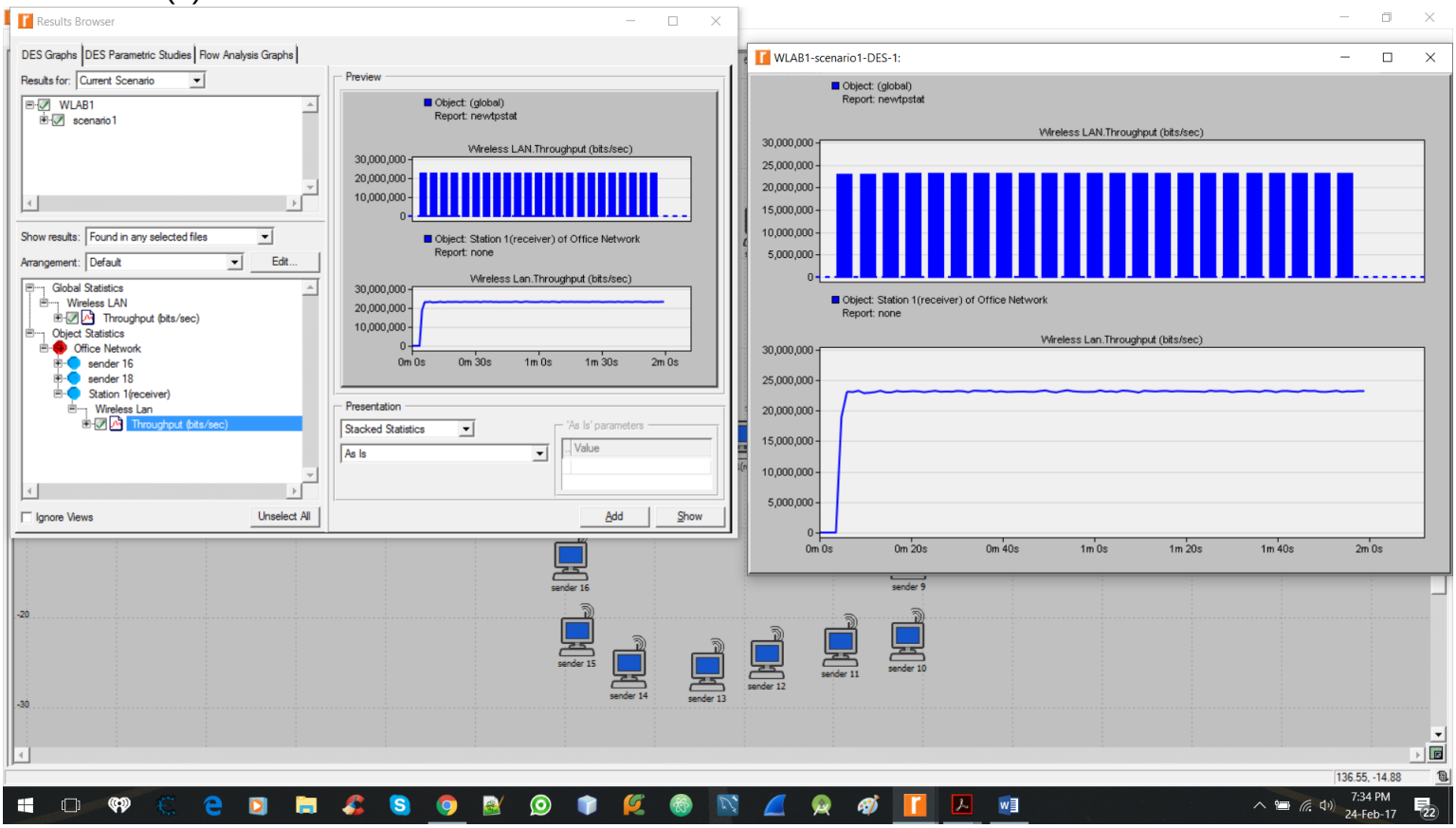


Scenario 4.3

Setup:



Scenario4.3(a)



Scenario4.3(b)