# Instructions for Experiment:

1. At Receiver Laptop (Access Point):

sudo ./change\_mcs mcs0 40

Changes the mcs and the frequency to 40 or 20 Mhz.

2. Change the value of location and MCS in the run\_iperf.py and run\_tcpdump.py files in both Access Point and Monitor Laptops.

2. At Power Monitor start the logging of avg. Power.

3. At Receiver Laptop (Access Point):

i. sudo python run\_tcpdump.py

ii. sudo python run\_iperf.py

4. At Monitor Laptop:

sudo python run\_tcpdump\_monitor.py

5. In the Mobile, open the rateadaptation app and start the iperf by choosing the “Start 20 Mhz Logging” or “Start 40 Mhz Logging” based on the frequency.

6. At the end of all the readings for a particular MCS increment the mcs value at:

i. run\_tcpdump.py at both Access Point and Monitor Laptops

ii. run\_iperf.py at Access Point Laptop

iii. in rateadaptation app

7. At the end of all readings in a Location, change the location at:

i. run\_tcpdump.py at both Access Point and Monitor Laptops

ii. run\_iperf.py at Access Point Laptop