Code parameters

UEs
UE is a user. It's expected that the increase of UEs cause an increase in interference, because will have a higher number of UEs in the same channel

APs
AP is an access point. It's expected that the increase of APs cause an improvement in the distance, because the chance of exist an AP near an UE is higher, so the received power is higher
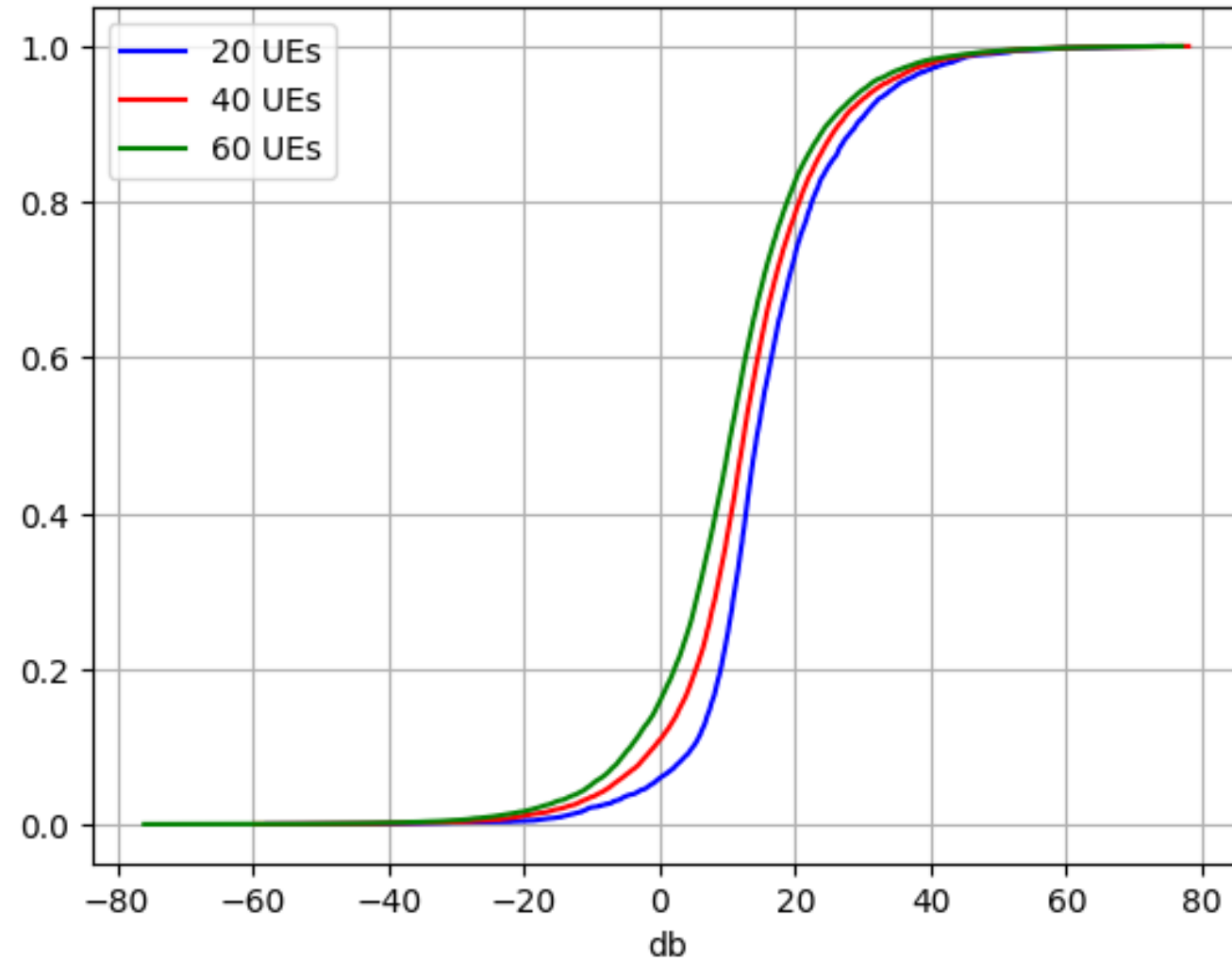
Channels
Channel is a physical medium that can have a communication. The increase of the number of channels cause a decrease in the bandchannel that decreases the link capacity, but increases the SINR.
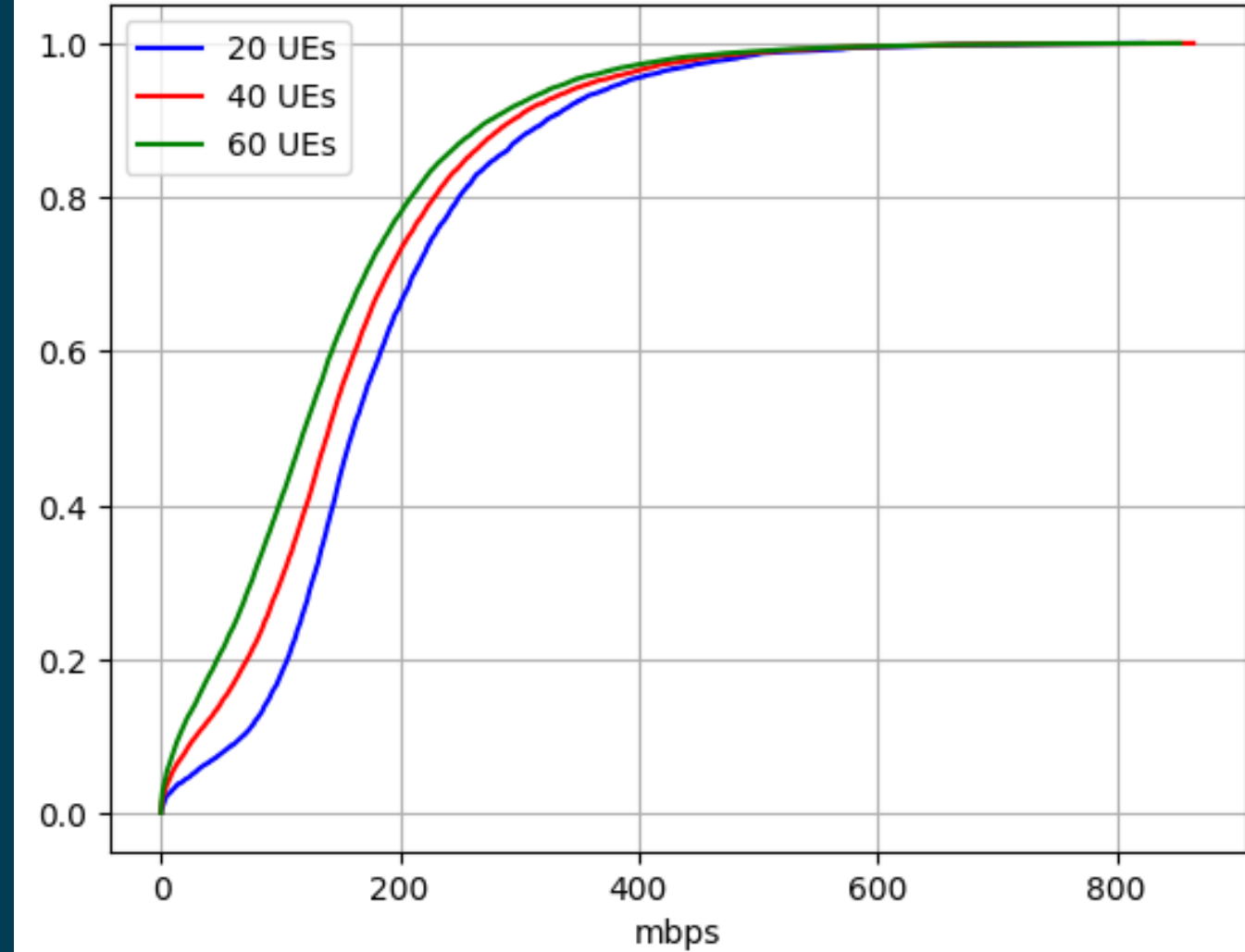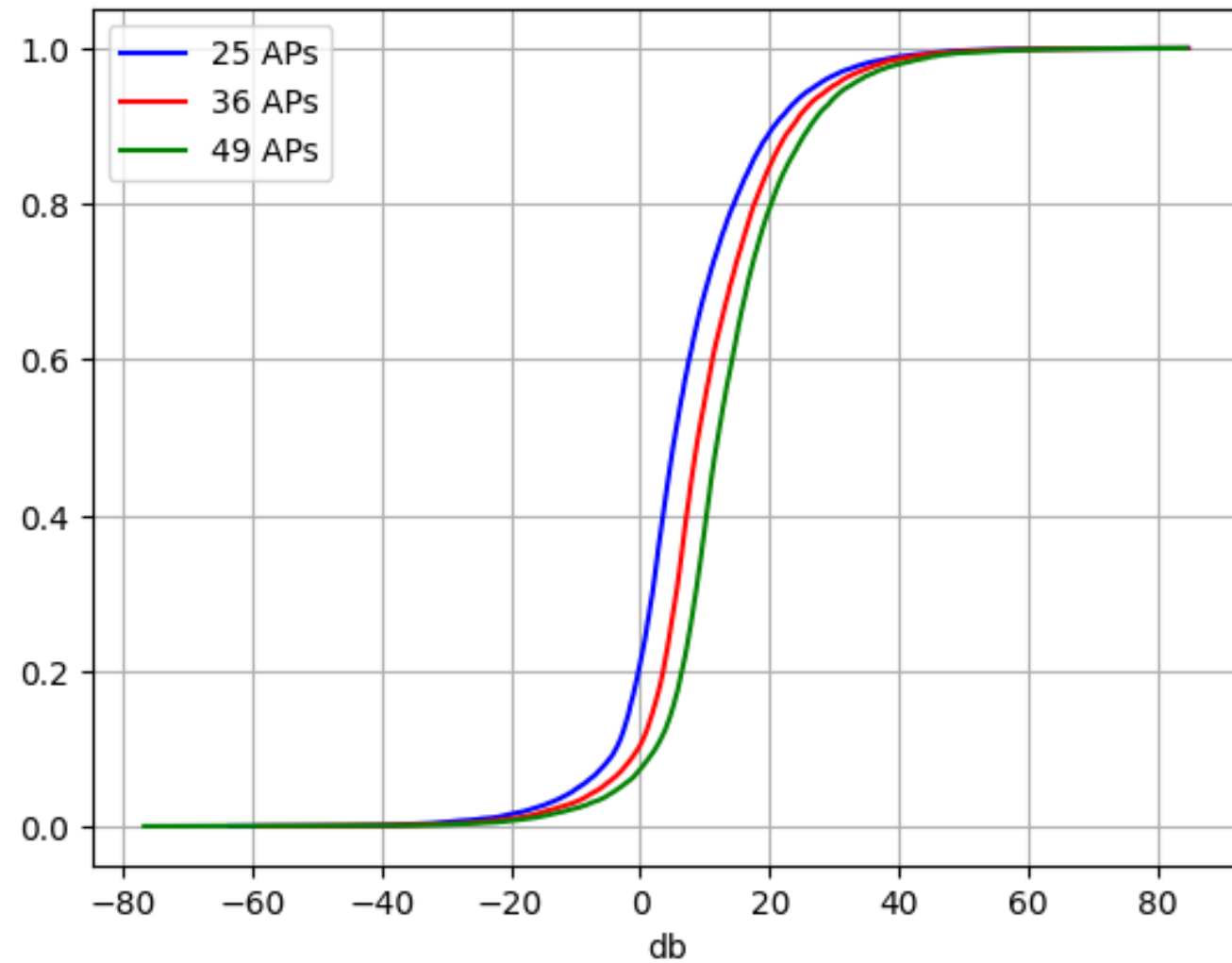
UE parameter variation
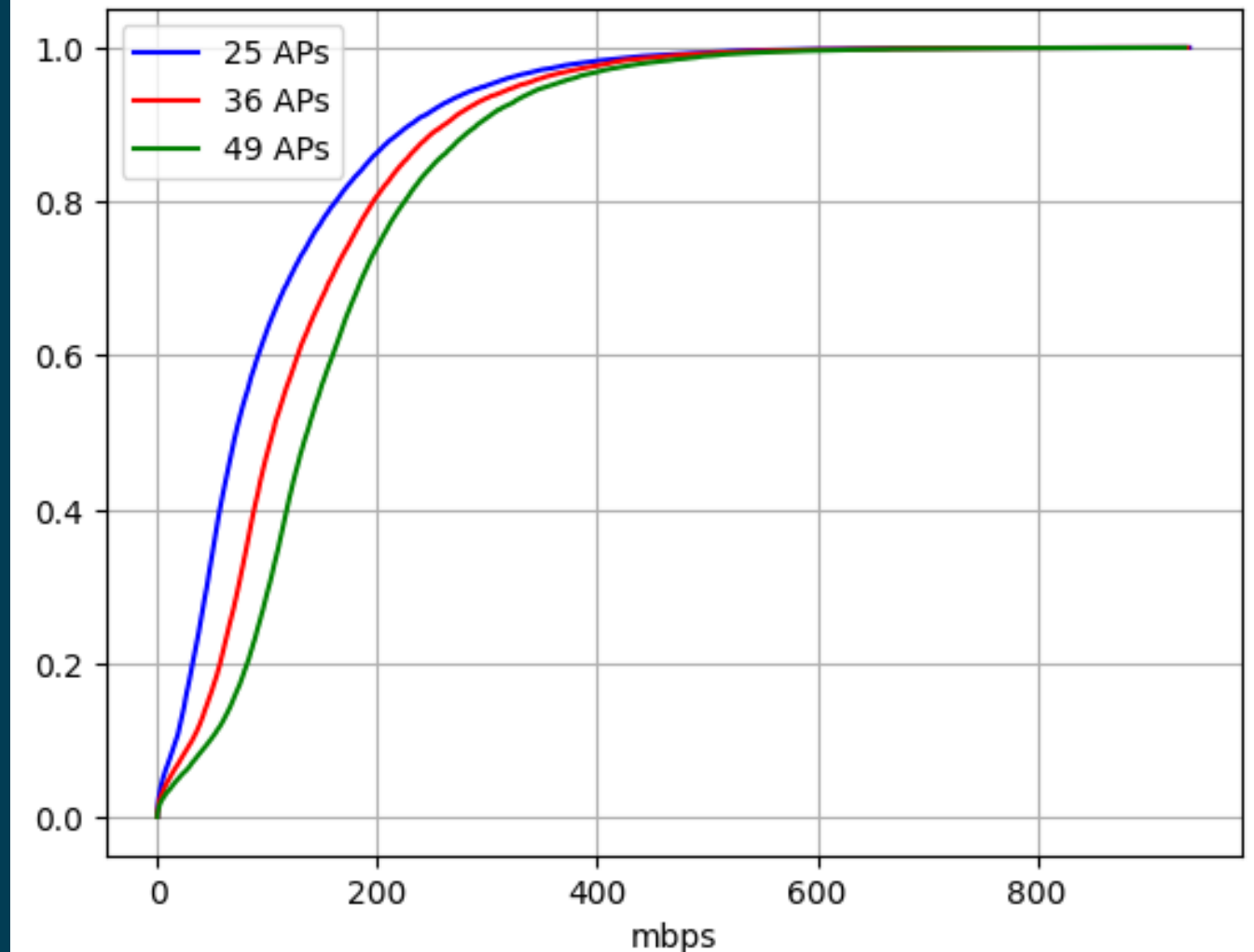
AP parameter variation
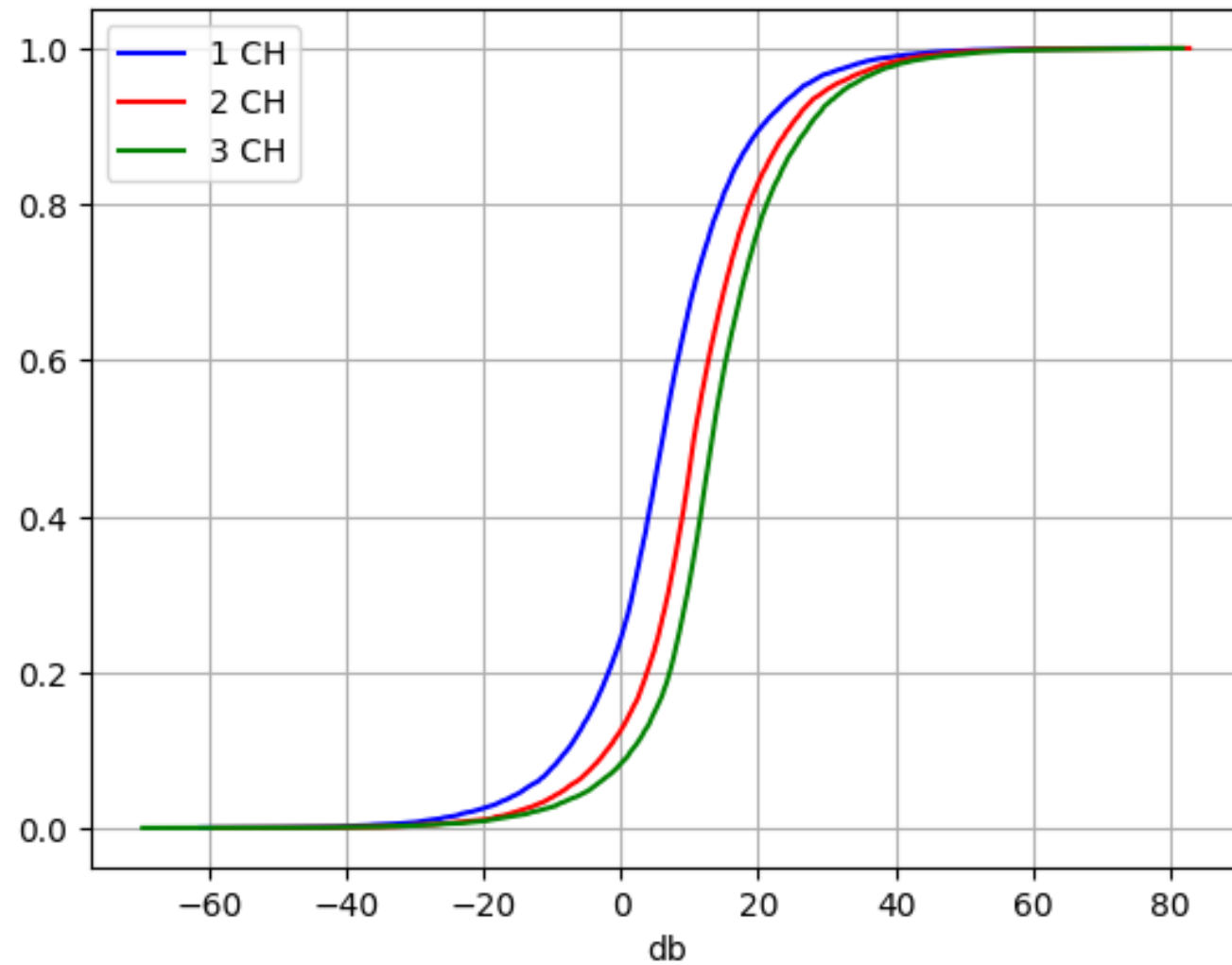
Channel parameter variation
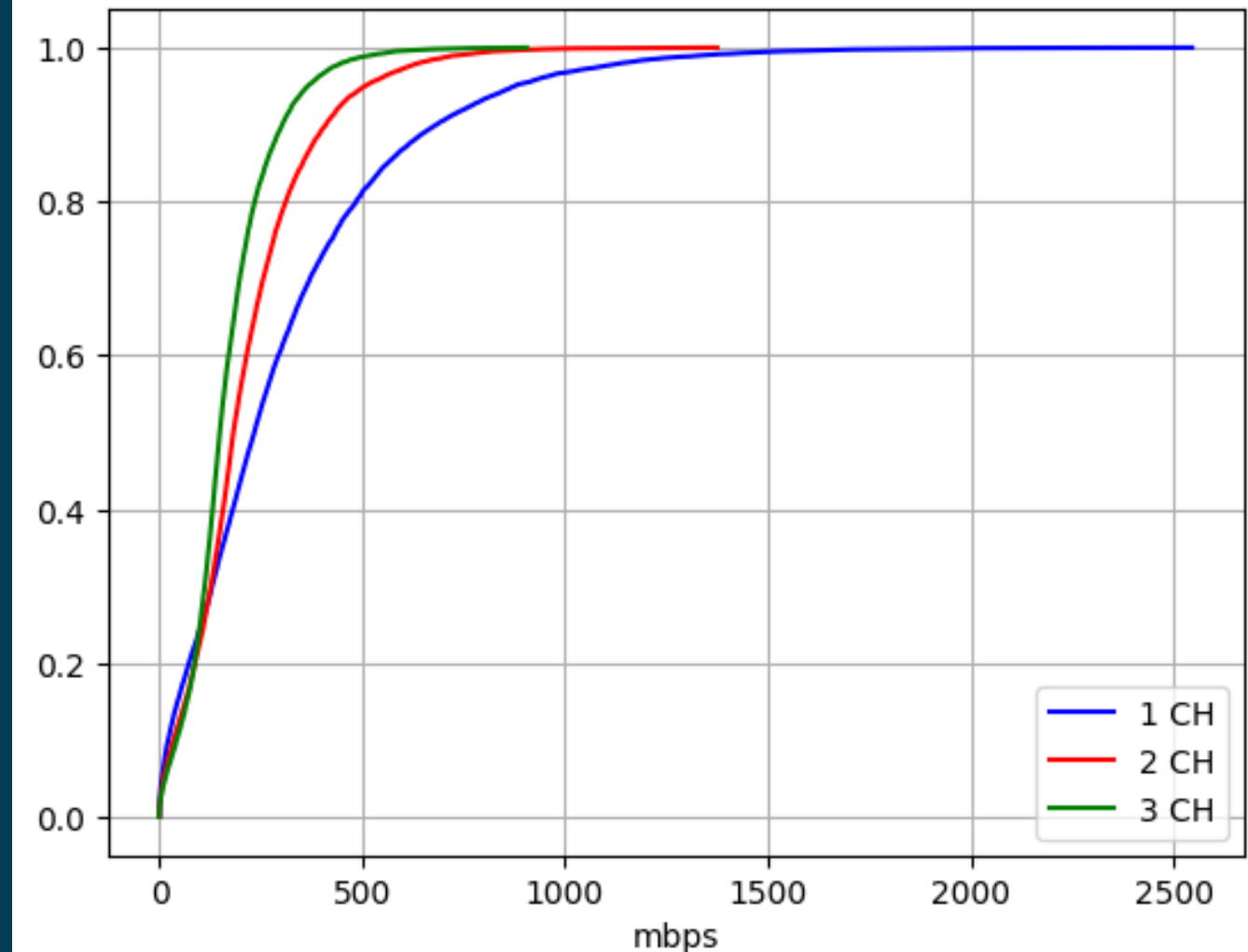
Channel parameter variation

Monte Carlo simulation

LINK CAPACITY CDF

UEs=10 / APs=64 / CH=3/ REP=1000

LINK CAPACITY CDF

UEs=10 / APs=64 / CH=3/ REP=10
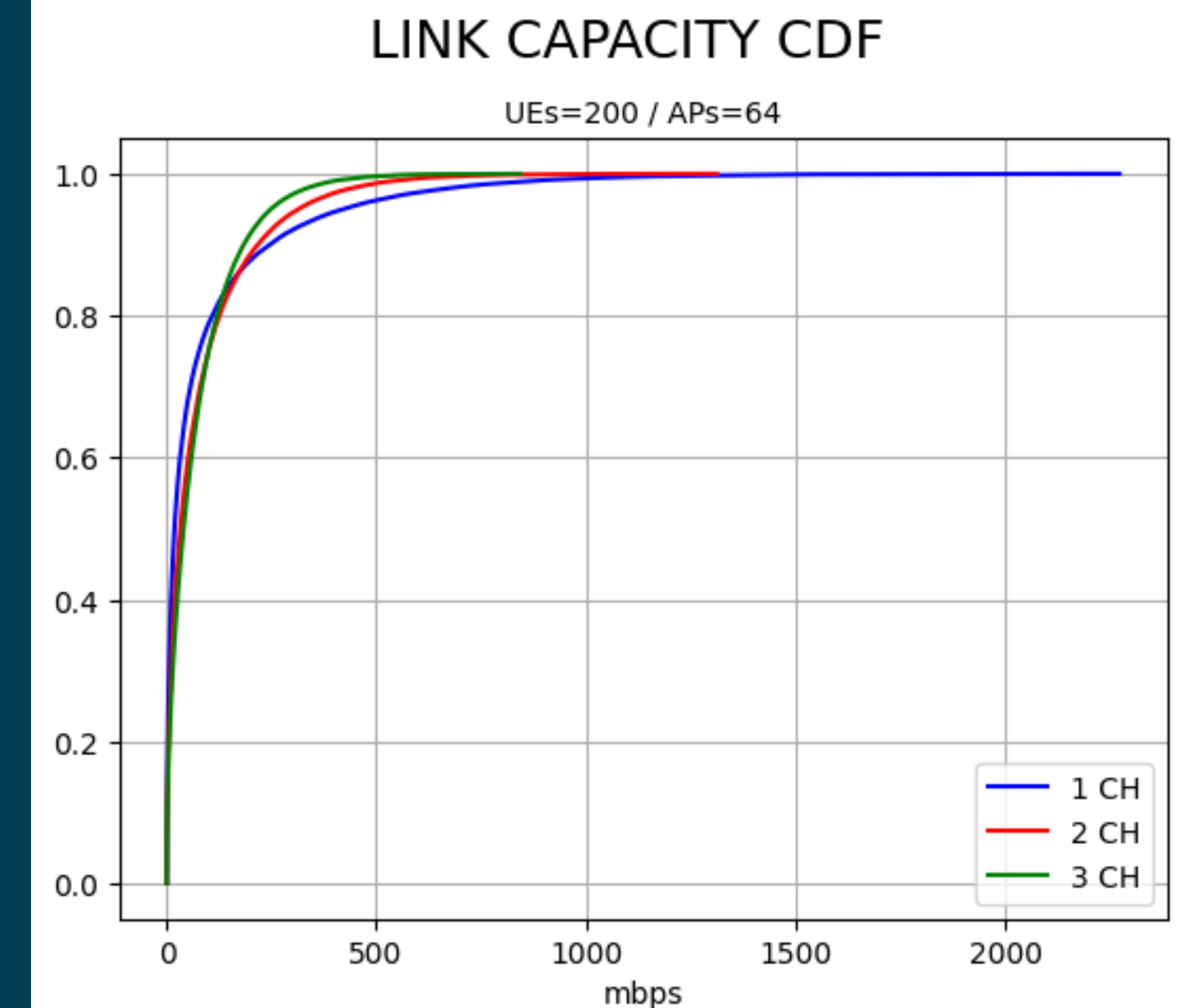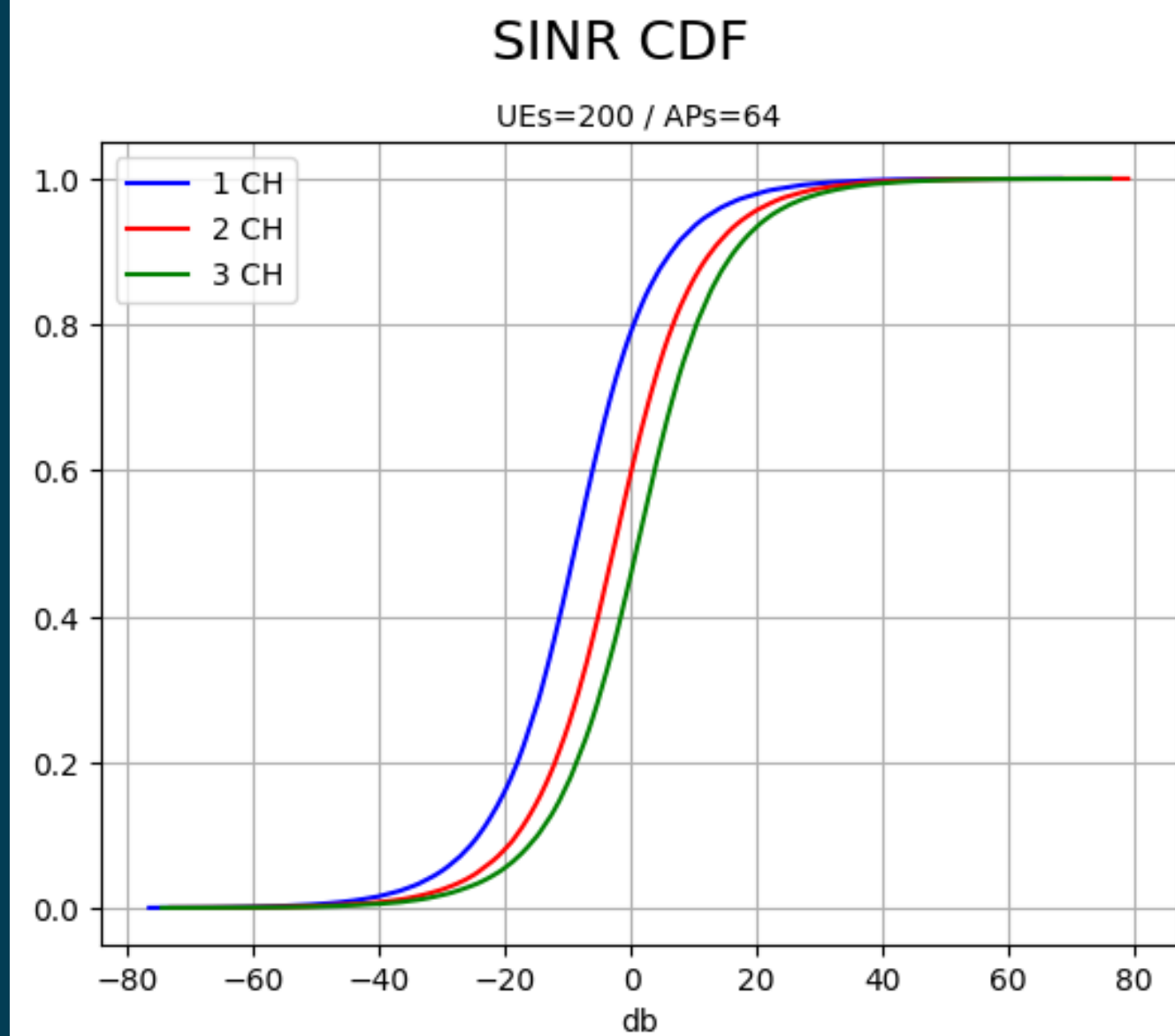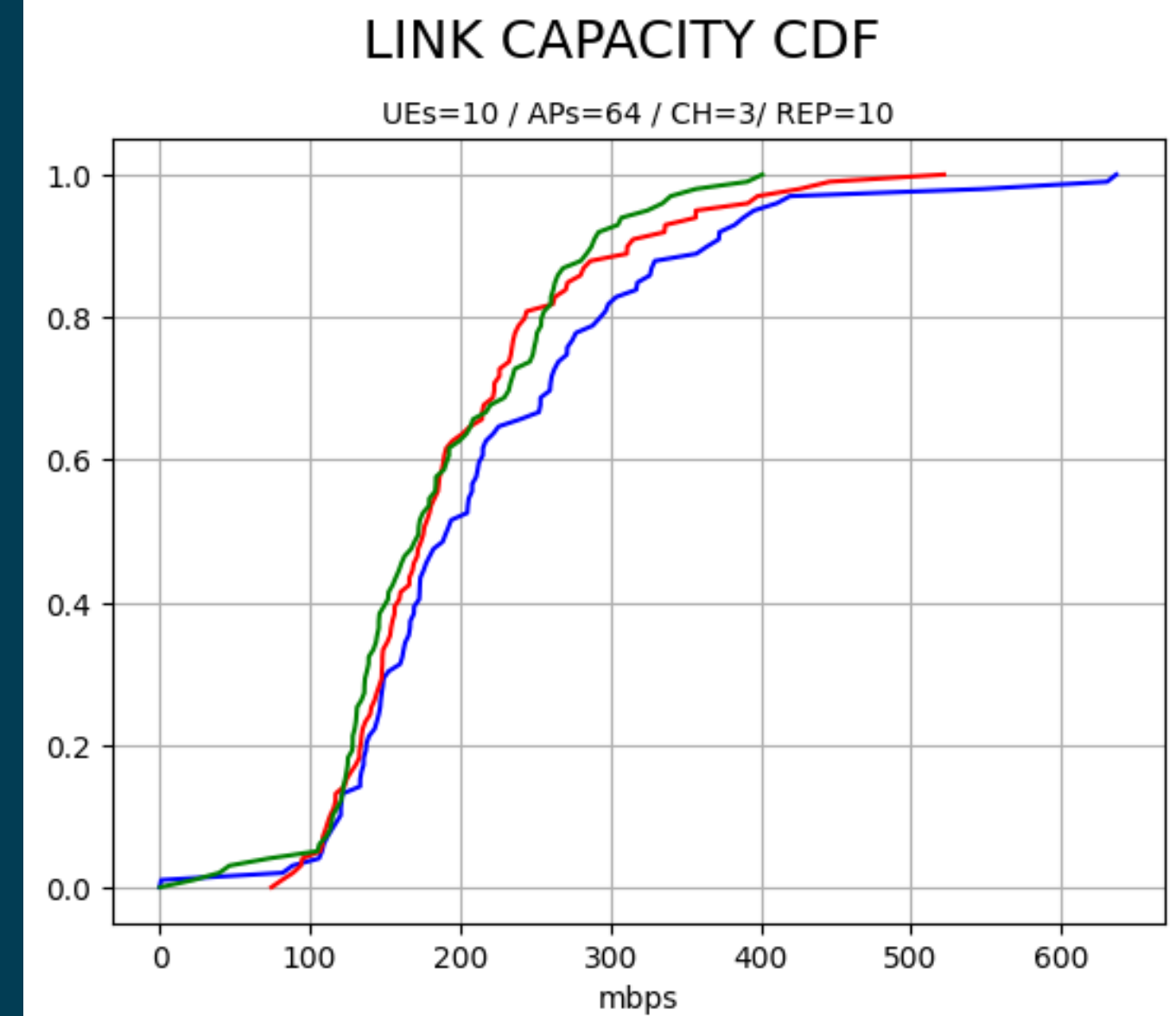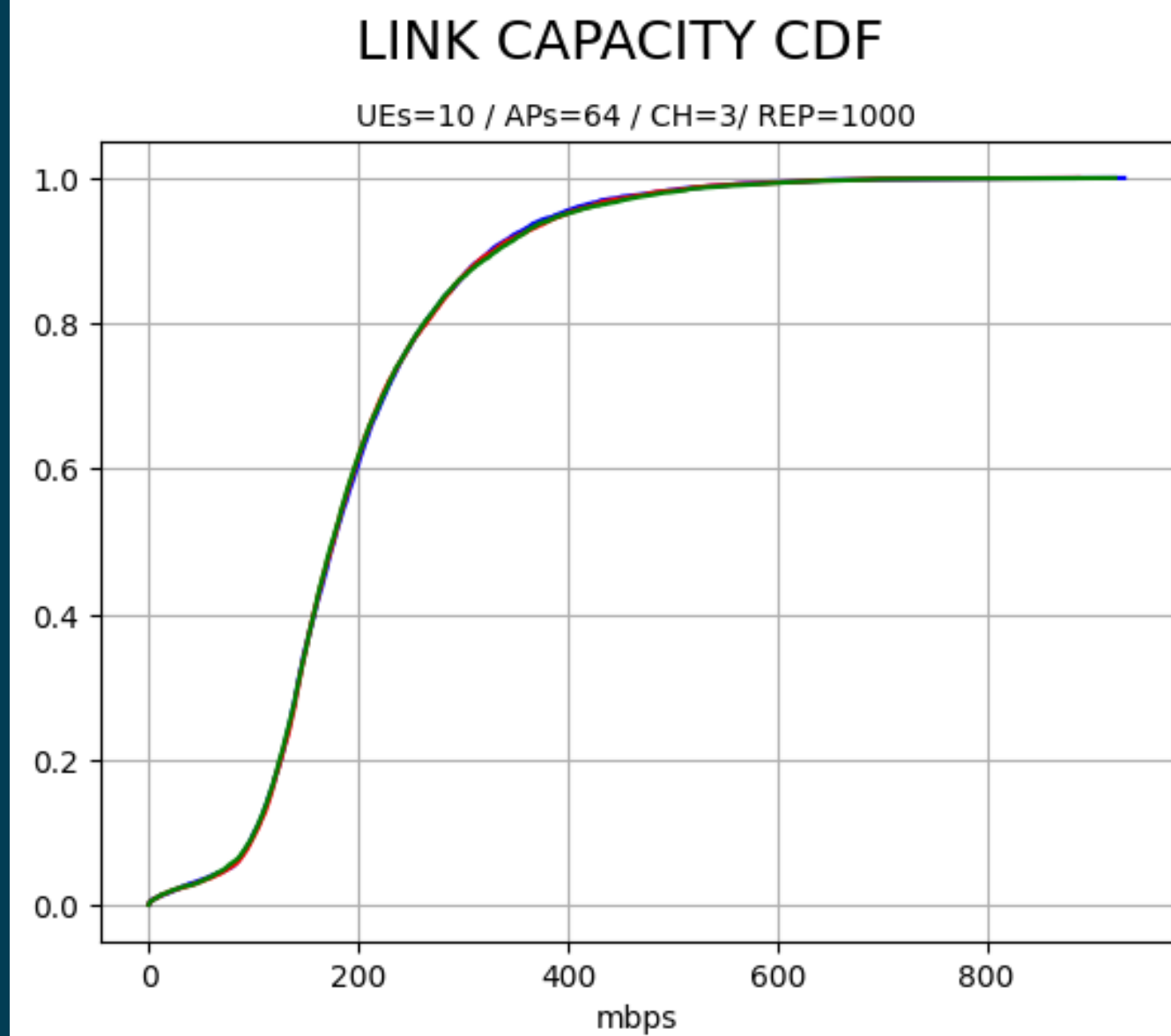
Max number of UEs supported