

achieves better throughput, and the usage of RBs is effective.

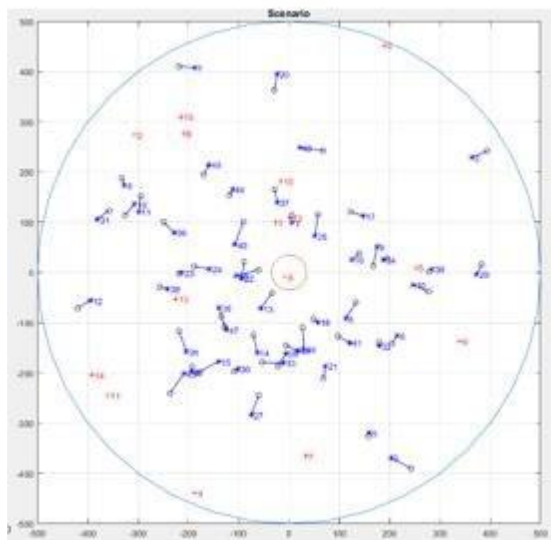


Fig. 15: Simulation Environment with Sparse Users

6 Conclusion

In this paper, the formation of a coalition and power control is used to study the D2D pair within the coverage of eNB. The impact on the usage of resources and their throughput is considered. Simulation results show that changing the power within the members of the coalition, and by the allowance of maintaining a minimum threshold SINR, an increase in the throughput is achieved. In addition, resources are also reused efficiently. For future research, the total amount of data transmitted by the individual UE should be calculated. eNB is expected to meet the demand of every D2D pair. The power control of the UE and the impact on resource allocation may also be considered for greater efficiency.

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