

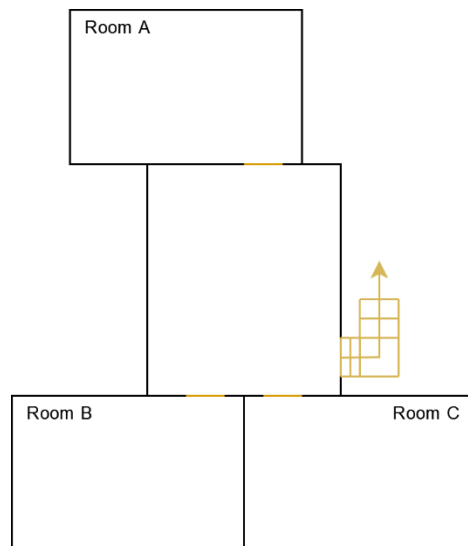
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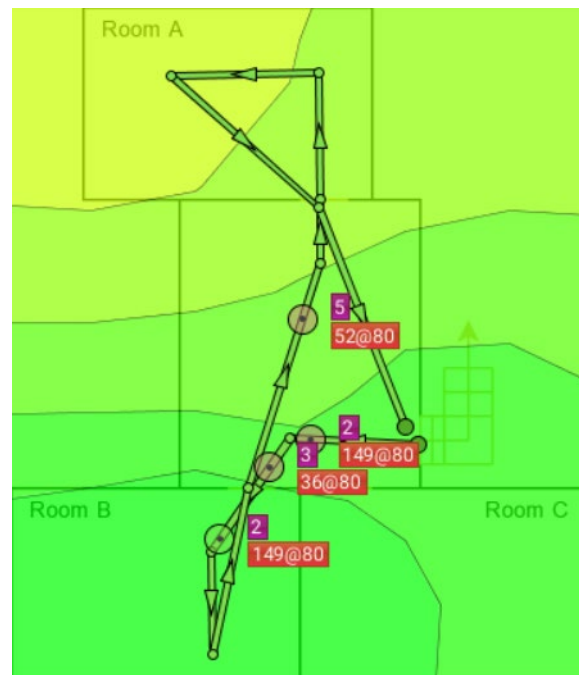
S2G1

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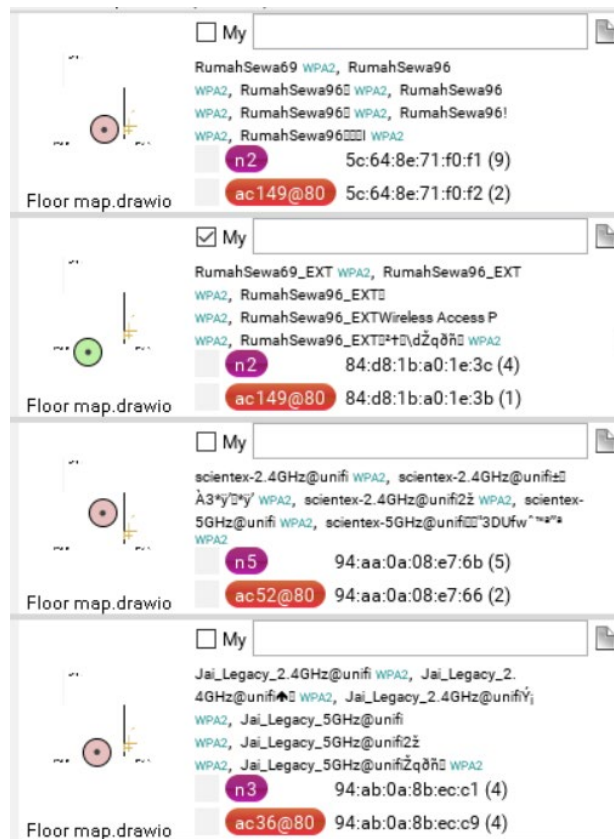
## Lab 1



Floor map



Wi-Fi Signal Strength Map



Access-point listing

## Wi-Fi signal strength mapping process

- 1- Open the Ekahau software and import the sketched floor map in png format
- 2- Set the scale of the map to meter
- 3- Navigate to the Survey tab to start surveying surrounding access points
- 4- Mark the starting location and start walking around the floor while mapping the movement
- 5- Press Enter to stop the mapping process and the software will display the findings

## Findings

Concentrated signal in Room B is the result of TP-link access point located in the room

## AP list

- 1- RumahSewa96 2.4GHz
- 2- RumahSewa69\_Ext 5Ghz
- 3- [Scientex-2.4GHz@unifi](#) 2.4GHz
- 4- [Jai\\_Legacy\\_2.4GHz@unifi](#) 2.4GHz

## References

- Luxul, 2011, Luxul - Using Ekahau HeatMapper™, <https://youtu.be/67TcxZs7rMo>
- Viatto, 2020, How to Perform a Passive Wireless Survey, <https://youtu.be/Pl4u87OP4Nw>
- Mikko Lauronen, 2017, Setting the scale of a map, <https://support.ekahau.com/hc/en-us/articles/202429334-Setting-the-scale-of-a-map>