
Lab visit report

02/07/25

SUPERVISORS :
Bruno QUOITIN
Aqeel AHMED

AUTHOR :
Maxime BARTHA

1 Initial objectives

- implement the synchronization code for a single device first
- check for the sleeping drift

2 Material and software used

3 Summary

transmitter side structure done, receiver (file saver) proof of concept implemented as a gnu radio block

4 Problems encountered

gnu radio oot modules are a nightmare to work with during developpement

- have to reinstall the module and restart grc at each change
- the errors are cryptic or non-existent (refers to the grc generated python file)

5 Solutions found

Implementing in an embedded python block then transpose the code to the oot

6 Conclusion

Tommorrow : finish Tx side proof of concept implementation