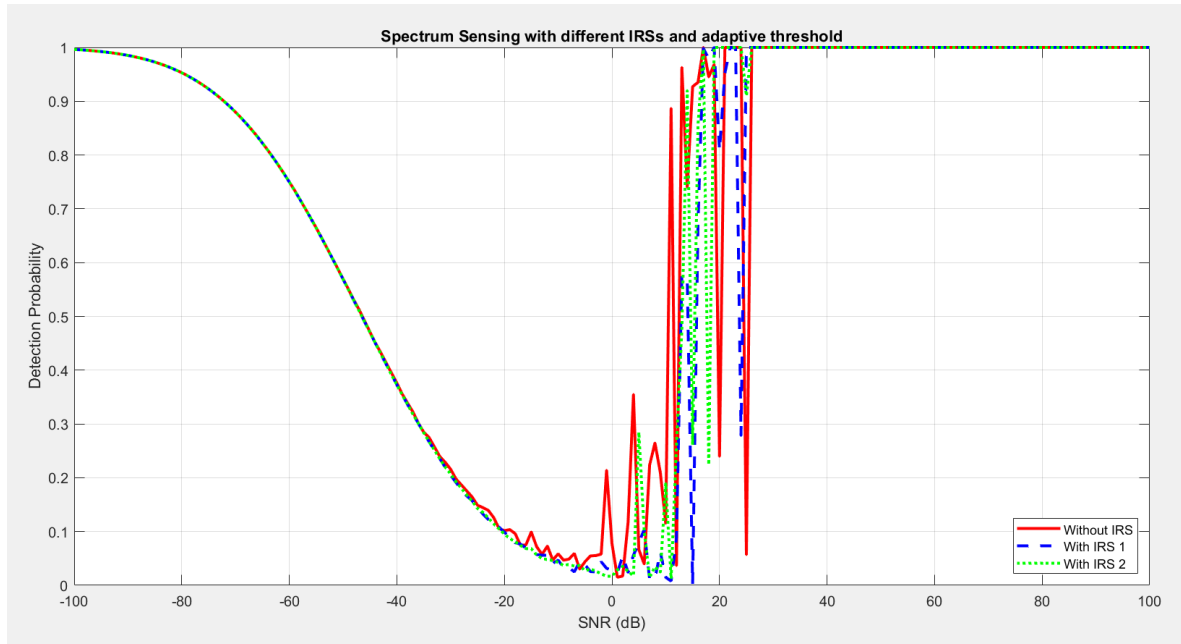


# ML Challenge 2023

## Challenge 1



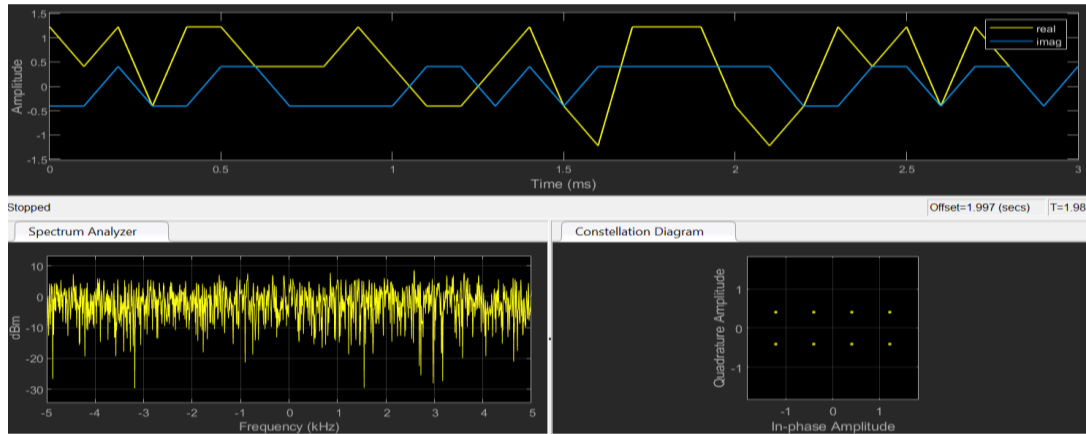
You are advised to read about IRS (Intelligent Reconfigurable Surface) for 6G communication for more information.

You are given two signals **IRS1** and **IRS2**. Implement prediction model to predict the IRS1 and IRS2 signal values.

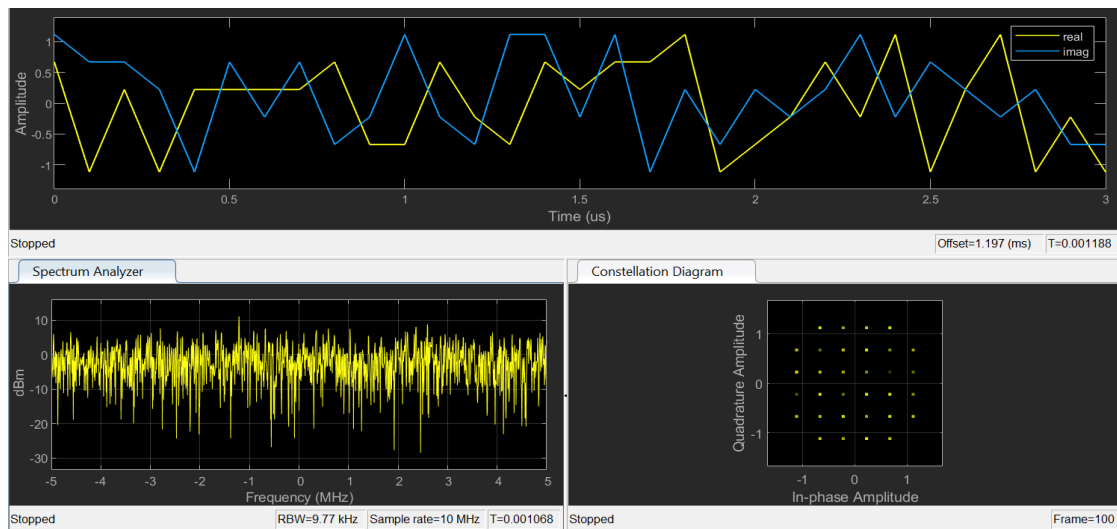
## Challenge 2

- 1- Perform the signal classification using any potential ML / DL model.
- 2- Perform the individual signal prediction.

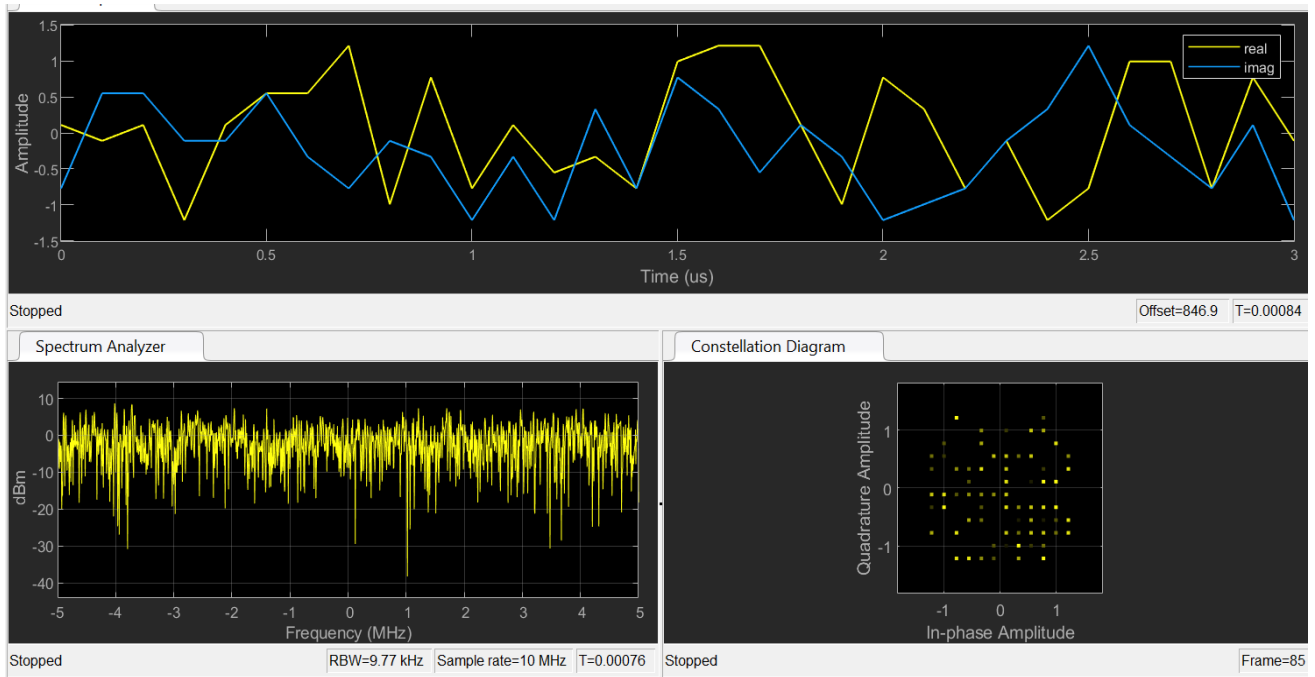
## 8-QAM Signal



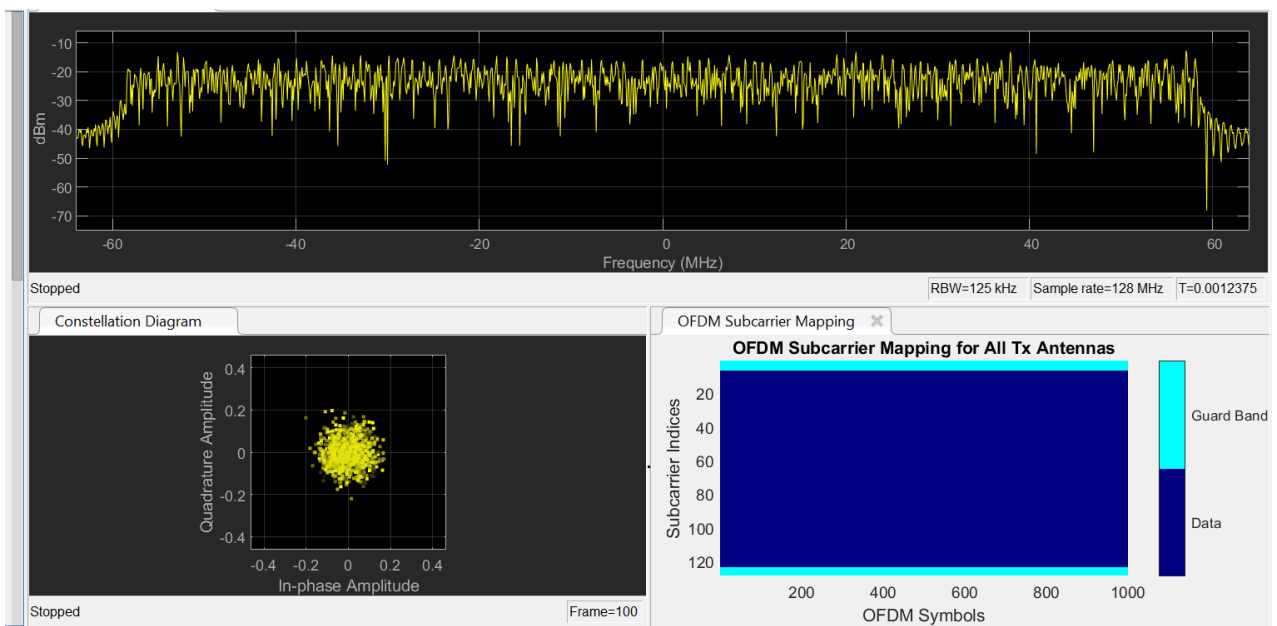
## 32- QAM signal



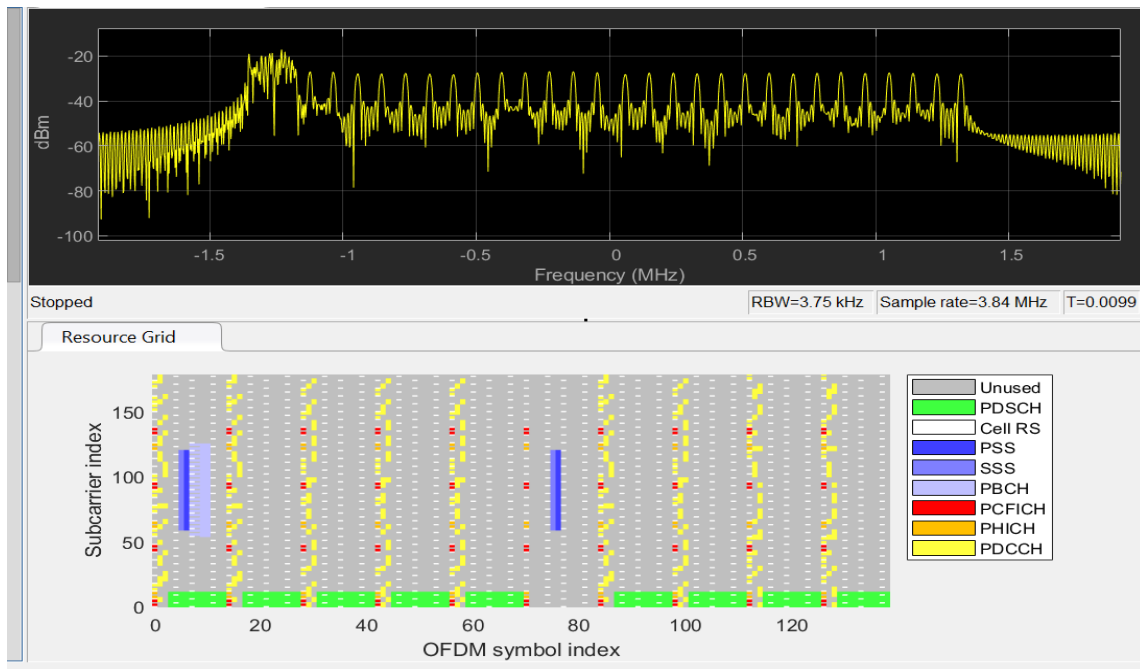
## 128-QAM Signal



## OFDM- 256 QAM, FFT-128



## LTE Signal



Good Luck 😊