#Necessary Library Importations for exptool as python library

***import acconeer.exptool as et***

***from acconeer.exptool import a121***

#Connecting COM port to exptool via Python

***client = a121.Client.open(***

***serial\_port="COM5"*** *#Use Local Port to Your PC*

***)***

*#Assign a sensor ID from a board or module or evaluation kit (EVK)*

***sensor\_id = 1*** *#Default to 1*

#Setup Base Sensor Config

***sensor\_config = a121.SensorConfig()***

#Alter step length, multiply by 2.5mm for actual distance

***sensor\_config.step\_length = 4***

#Start Point = 2.5mm \* start point

***sensor\_config.start\_point = 0***

#Total Distance = (num\_point \* step length \* 2.5mm) from start point

***sensor\_config.num\_points = 35***

#SpF set to 1 for static objects

***sensor\_config.sweeps\_per\_frame = 1***

#HWAAS to 25 for better SNR

***sensor\_config.hwaas = 25***

#Set to Profile 1

***sensor\_config.profile = et.a121.Profile.PROFILE\_1***

#PRF highest since our distance is short

***sensor\_config.prf = 19.5e6*** #MHz

#Confirm Sensor Config

***client.setup\_session(sensor\_config)***