ELEC-5220

Info. Networks

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Lab 7

# **Introduction**

In this lab, we worked using matlab. We used matlab to sample channel state information data.

**Ex 1**

Exercise 1 askeds us to screenshot the plot of a CSI for one packet. The plot showing all 30 subcarriers can be seen in *Figure 1* and the polor coordinates can be seen below in *Figure 2*.

A screenshot of a computer

Description automatically generated with low confidence

*Figure 1*

*Chart, radar chart

Description automatically generated*

*Figure 2*

**Ex 2**

Exercise 2 asks us to modify the matlab code to obtain the CSI phase variation. The plot can be seen below in *Figure 3*.

**Chart

Description automatically generated**

*Figure 3*