

Homeworks (TP)

Antennas and transmission lines

Homeworks

Activity 1:

Try to design and simulate a dipole antenna according to the following practical video, and plot its characteristics (S11, radiation pattern in 2 and 3D):

The Video link: <https://www.youtube.com/watch?v=BxJk1P27gtk>

Activity 2:

Try to design and simulate a Rectangular patch antenna using HFSS ansys according to the following practical video, and plot its characteristics (S11, radiation pattern in 2 and 3D):

The Video link: https://www.youtube.com/watch?v=LP2h_RanEtI

Notes to be taken into account:

- Please do one report for both activities at same time.
- Each report includes 3 students as maximum limit