

Comments to exercise #1

Nov. 1st 2005

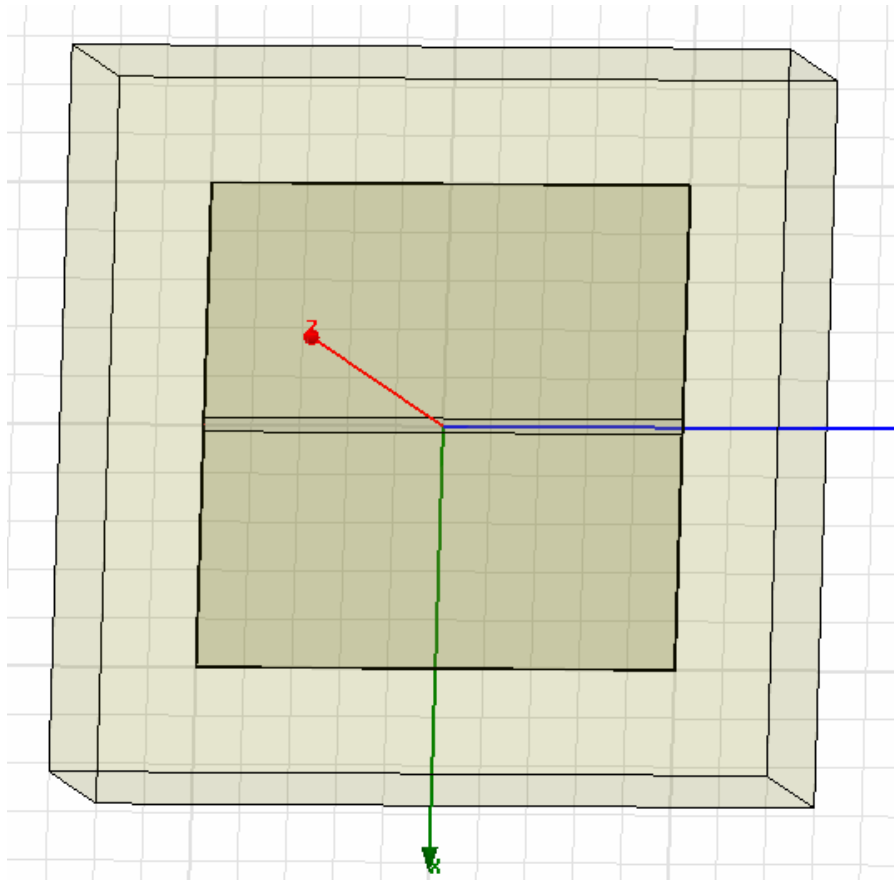
ECE3311

Outline

1. What did we model?
2. What did we forget?
3. What is behind of a full-wave RF simulator?
4. 10 passes versus 10 passes

1. What did we model?

Modeled

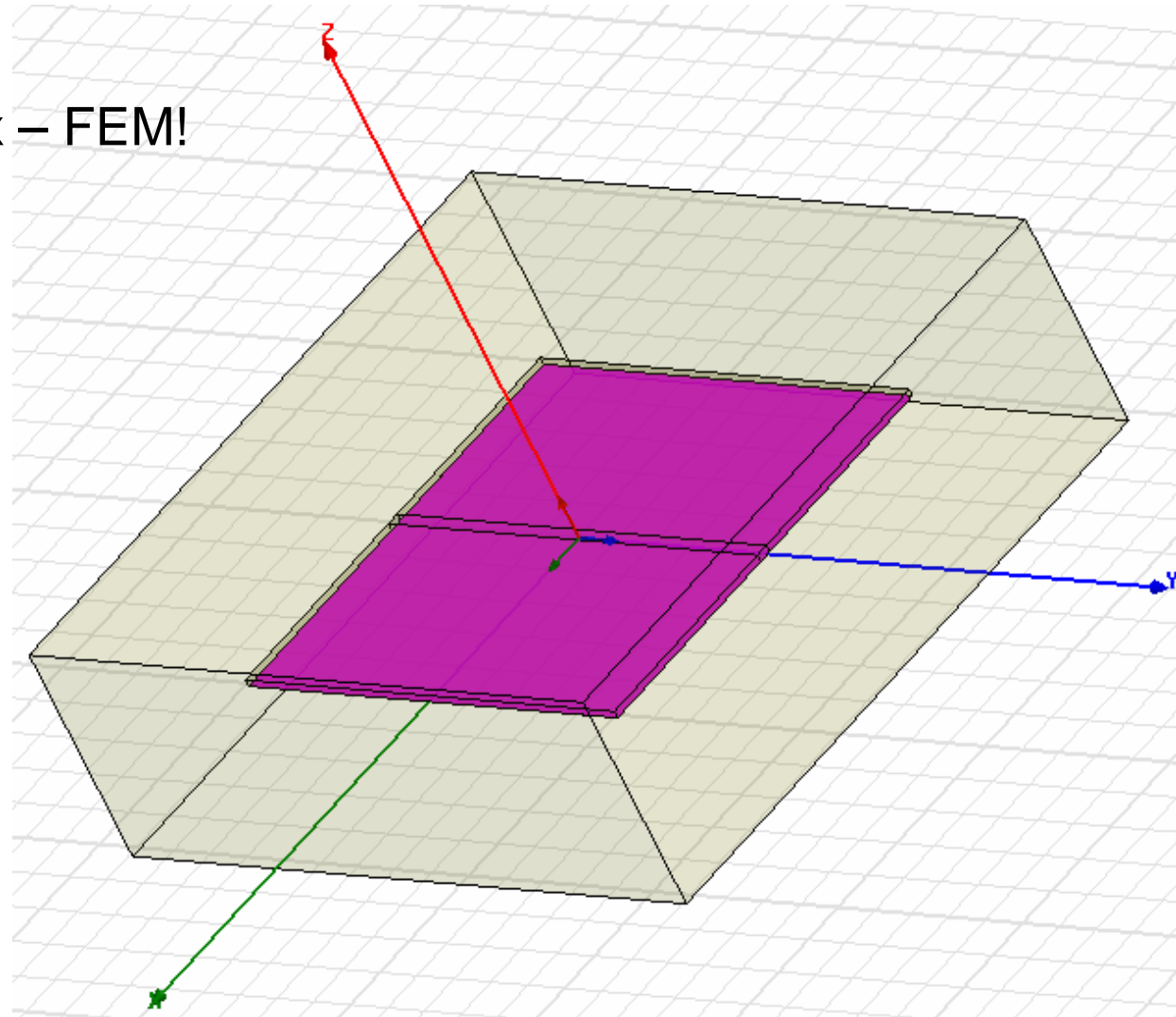


Real



2. What did we forget?

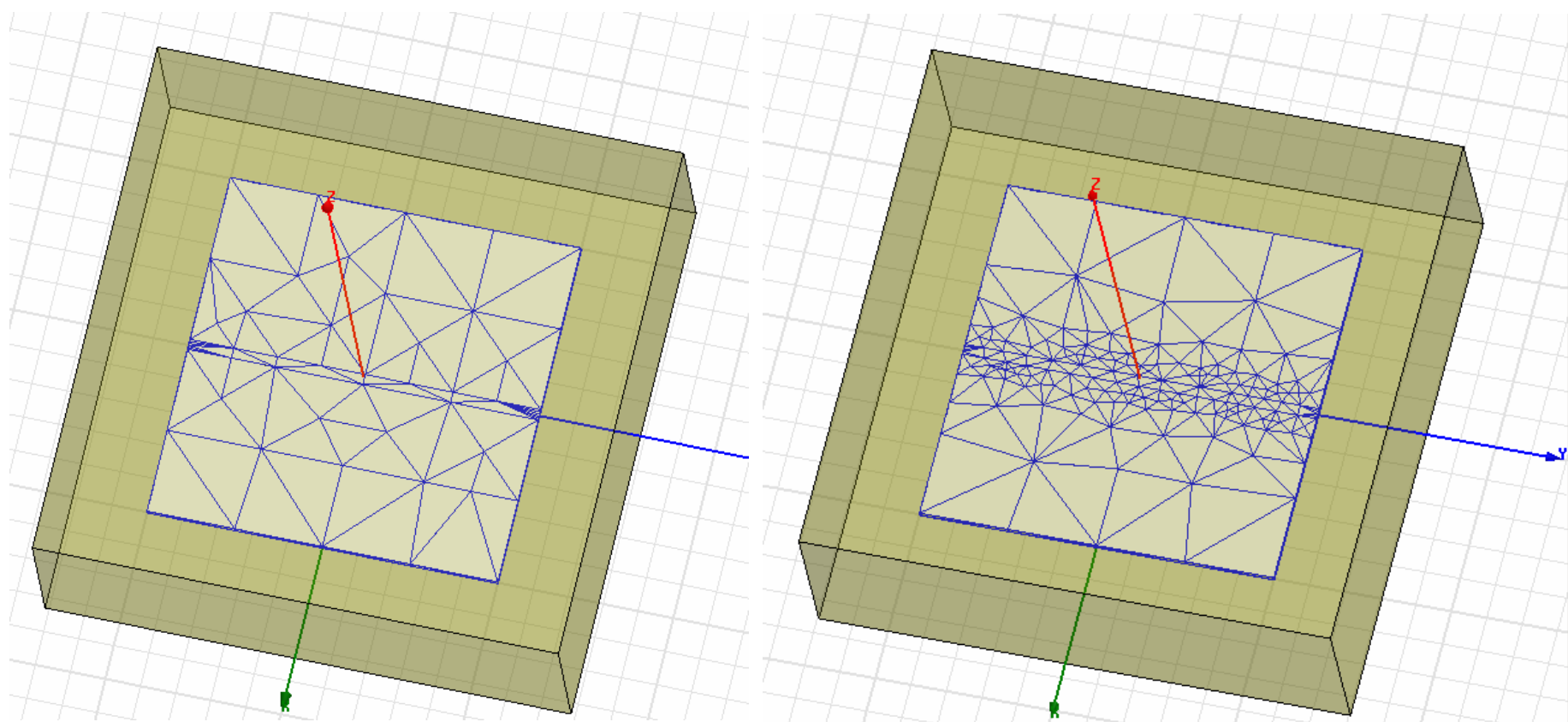
1. Ground plane
2. Enclosing box – FEM!



3. What is behind a full-wave RF simulator?

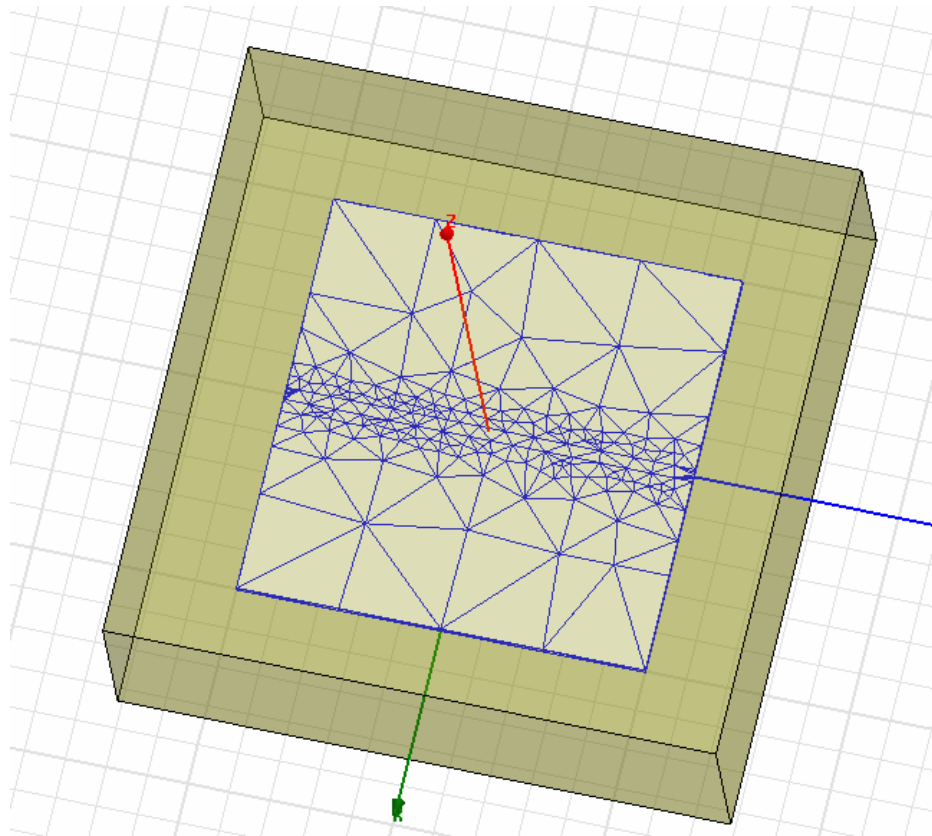
3 passes

10 passes

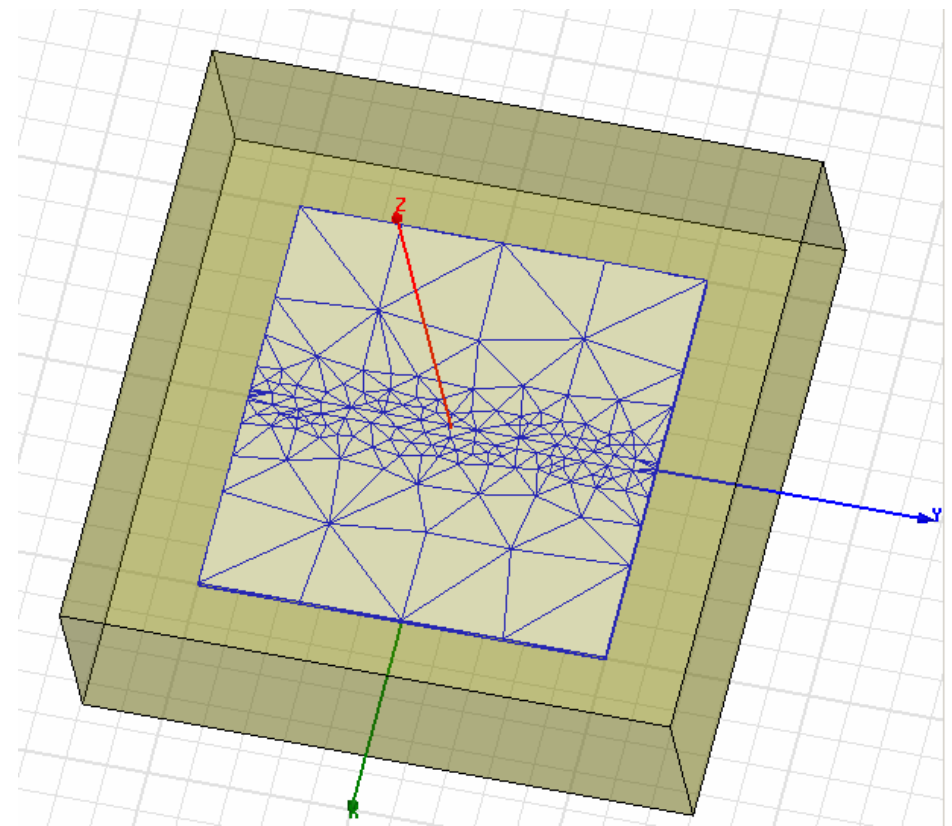


4. 10 passes versus 10 passes

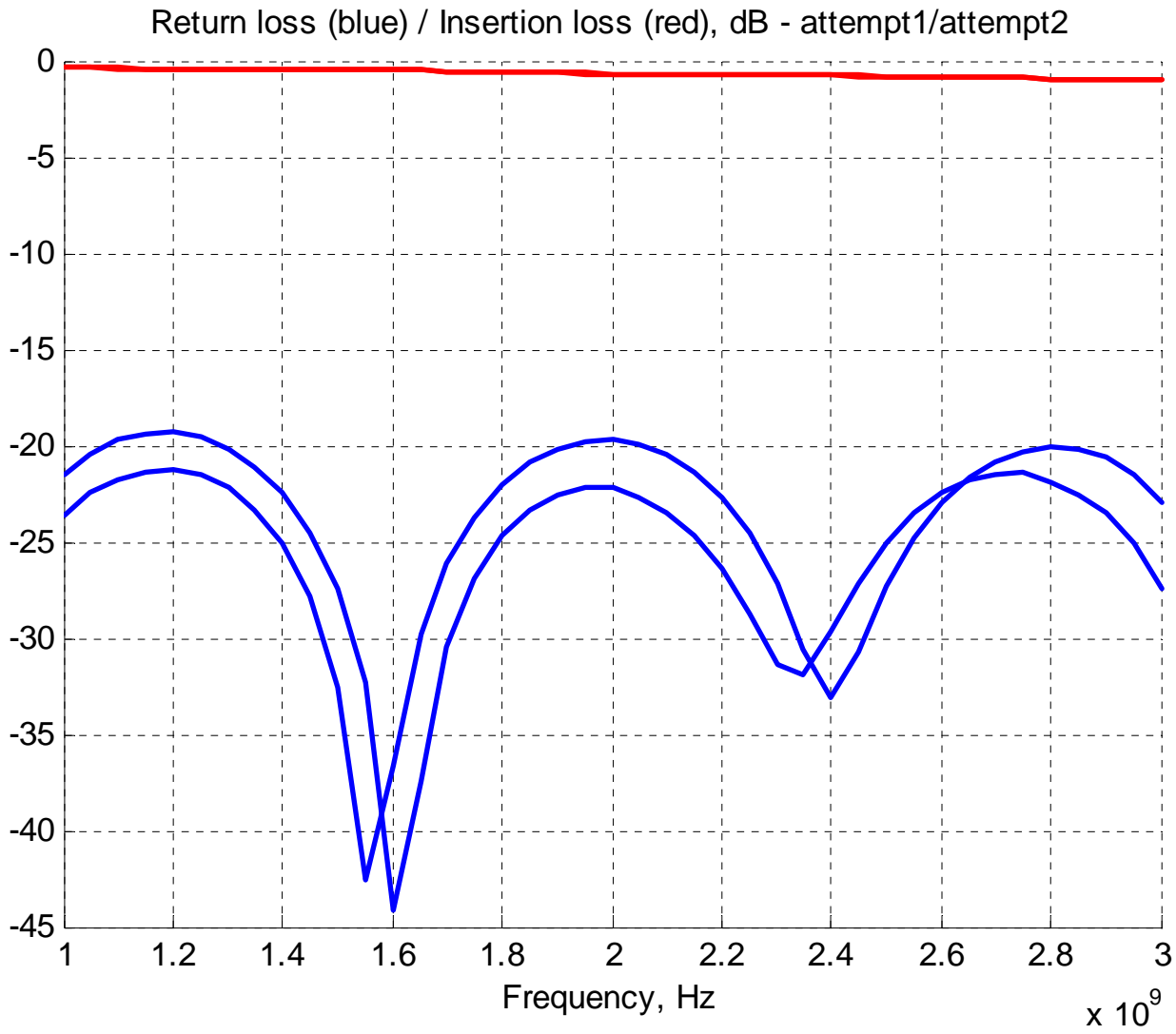
Attempt1



Attempt 2 (clean up solutions
and rerun the same setup)



5. Results



Initial mesh is random=>

The results for ROUGH meshes will be slightly DIFFERENT – Return loss only