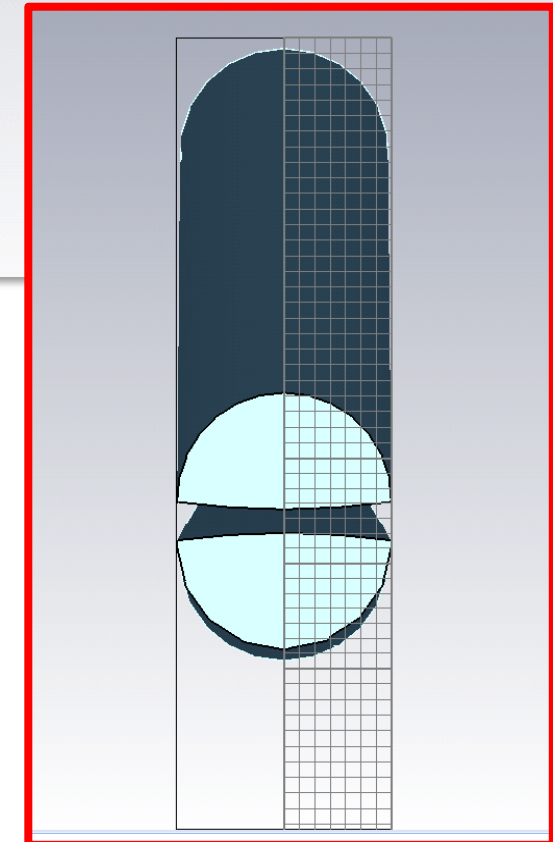
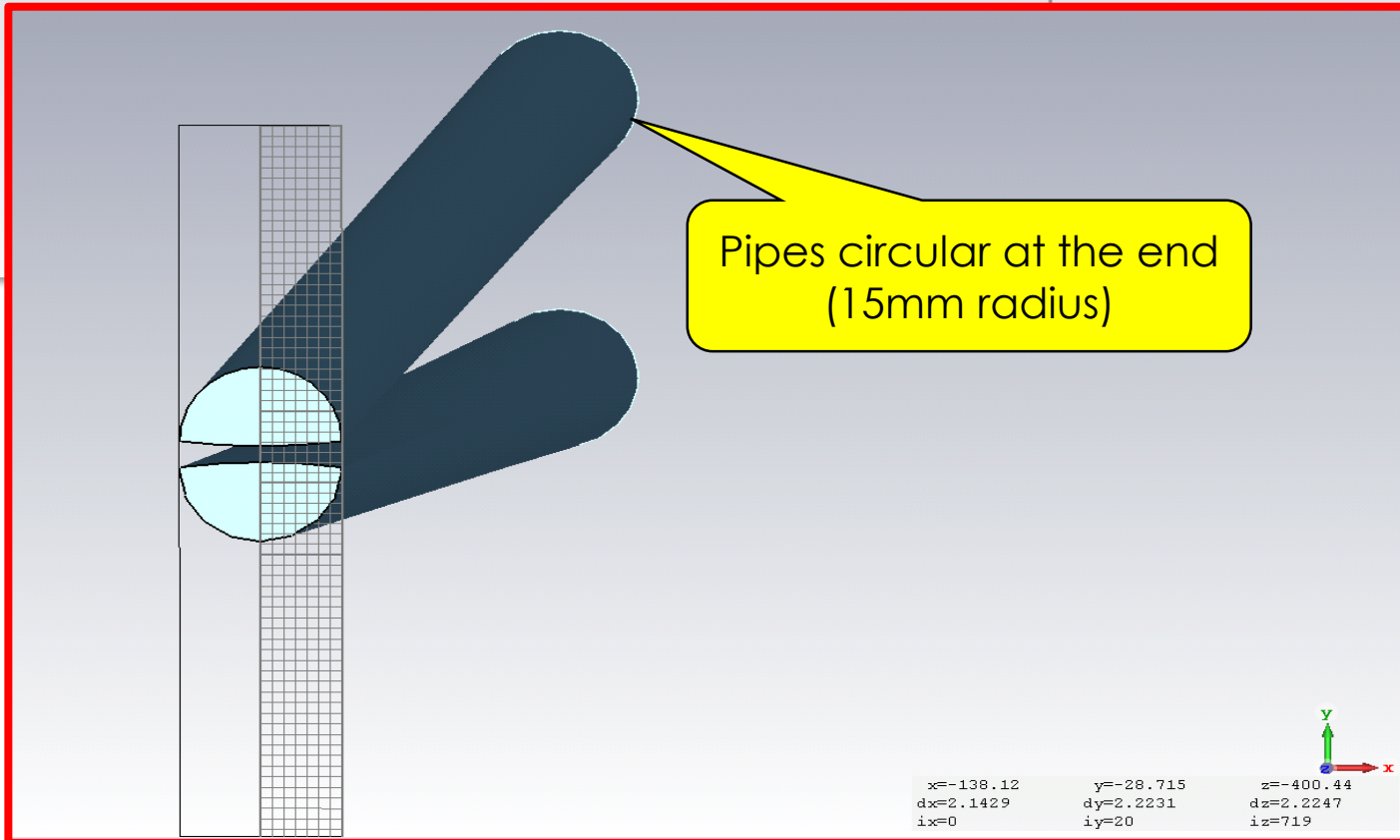
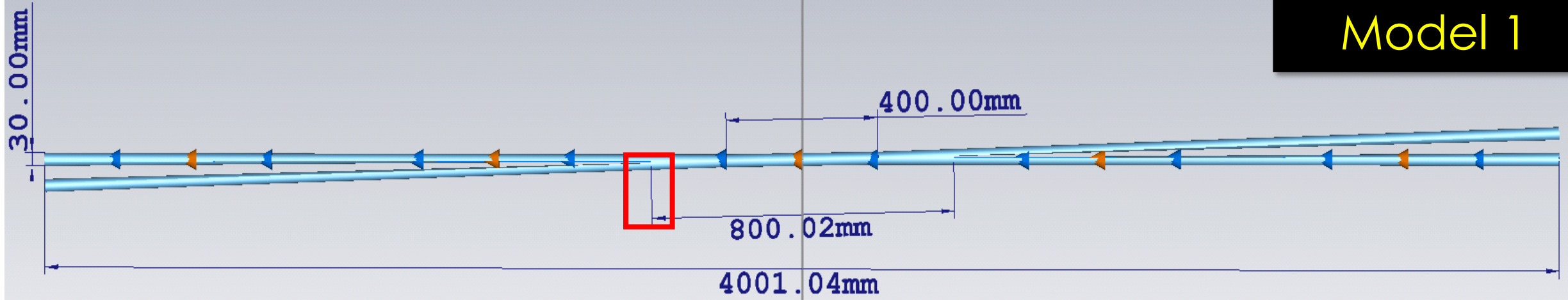
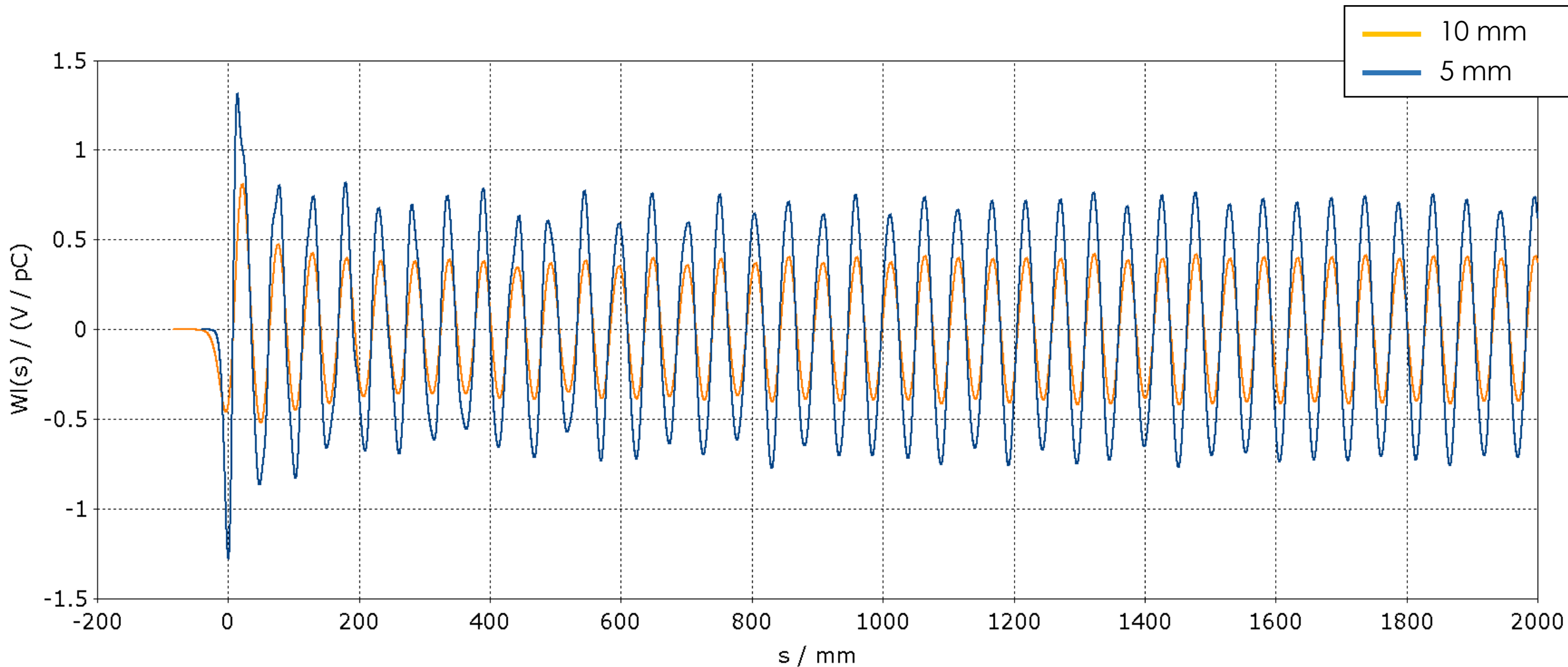
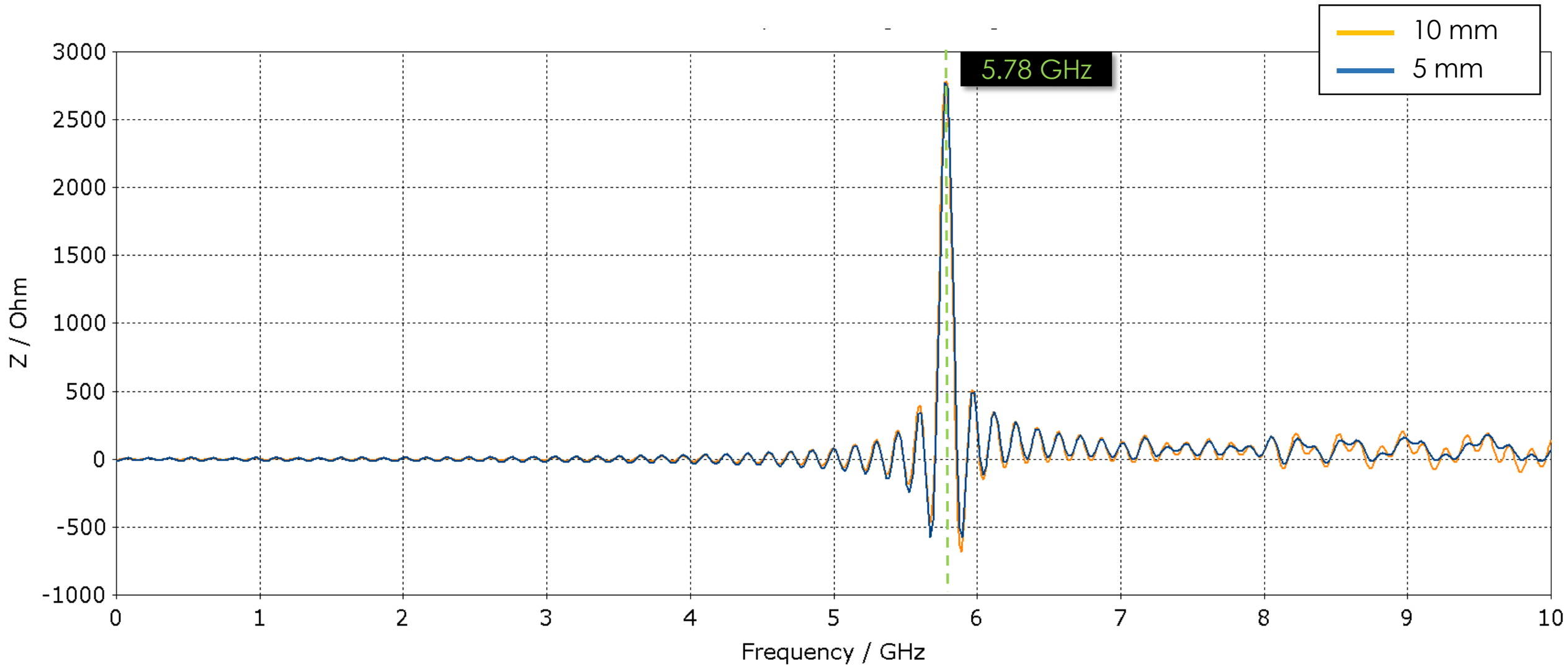


- Different bunch lengths and mesh sizes
  - ❑  $\sigma_z = 10\text{mm}$ ,  $\Delta_{x,y,z} = 1\text{mm}$
  - ❑  $\sigma_z = 5\text{mm}$ ,  $\Delta_{x,y,z} = 0.5\text{mm}$
- Models 1,2 different form previous structure
  - ❑ We found a resonance in both models
- Some meshing problem
  - ❑ a CAD model would be preferred

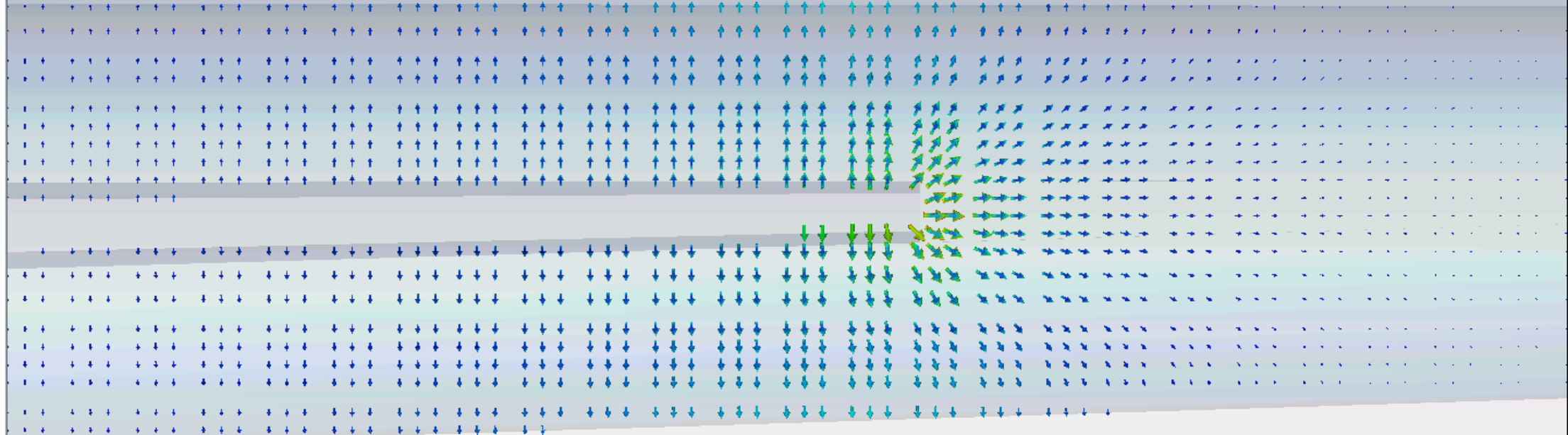
# Model 1







- Quality factor  $Q = 8558$
- Shunt impedance  $R_{shunt} = 210 \text{ k}\Omega$
- $\frac{R}{Q} = 25$



Mode 3 (peak) ⌵  
 3D Maximum [W/m]: 254.3e+06  
 Frequency: 5.774107  
 Phase: 0

# Model 2

