

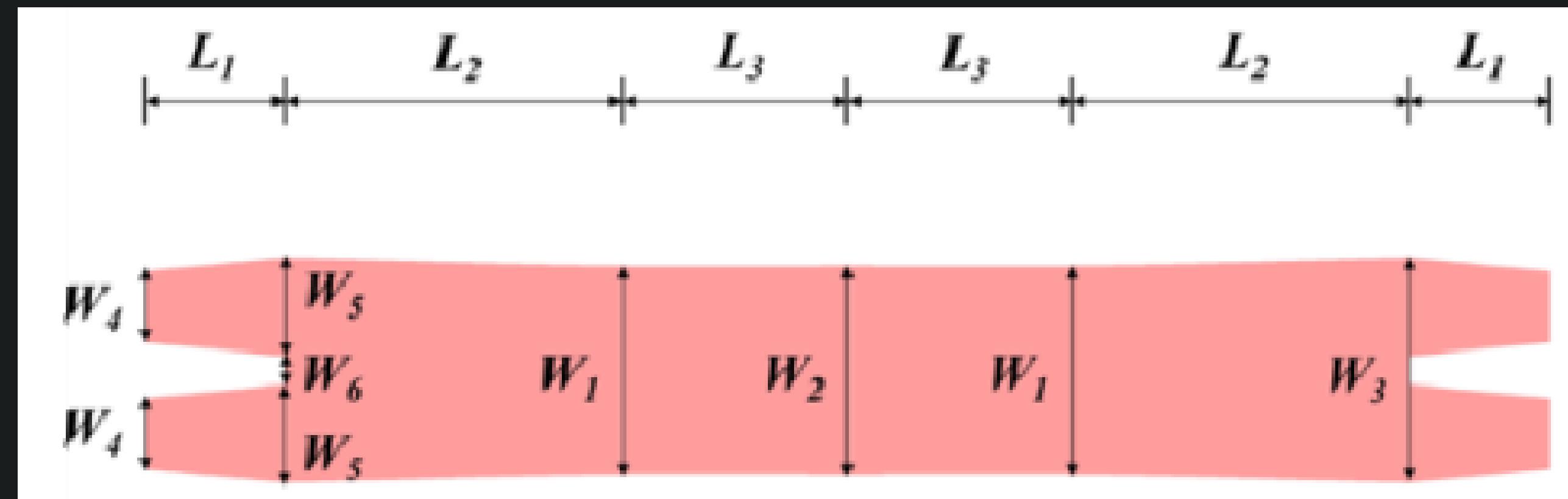
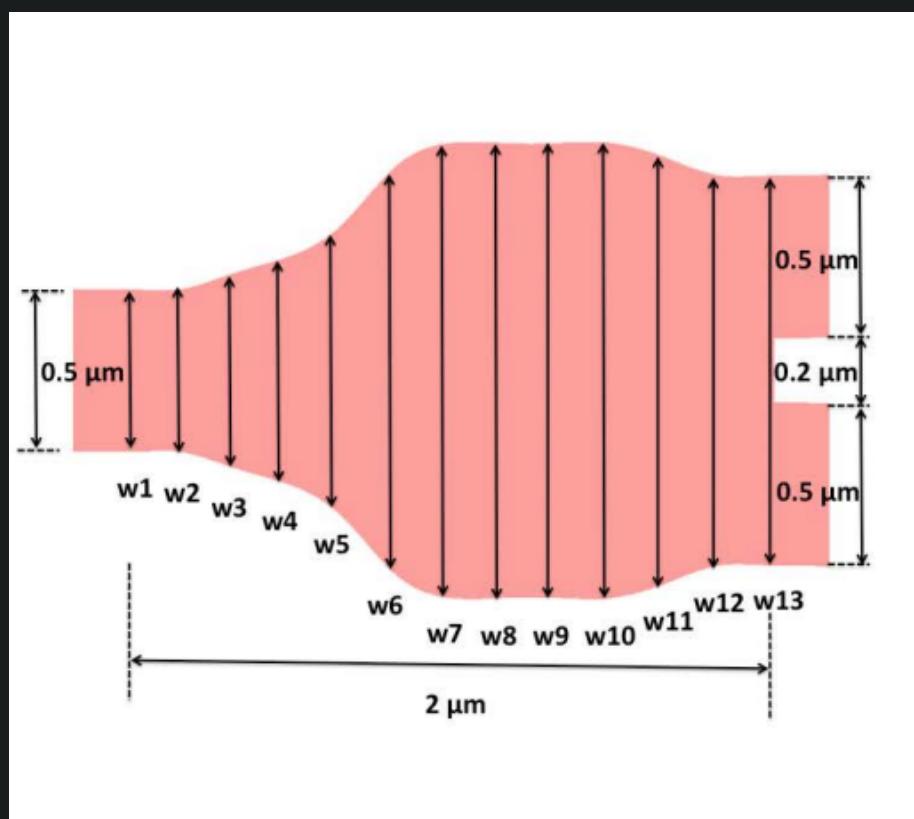
# 90° Optical Hybrid

Week 1

Leonardo Pessôa

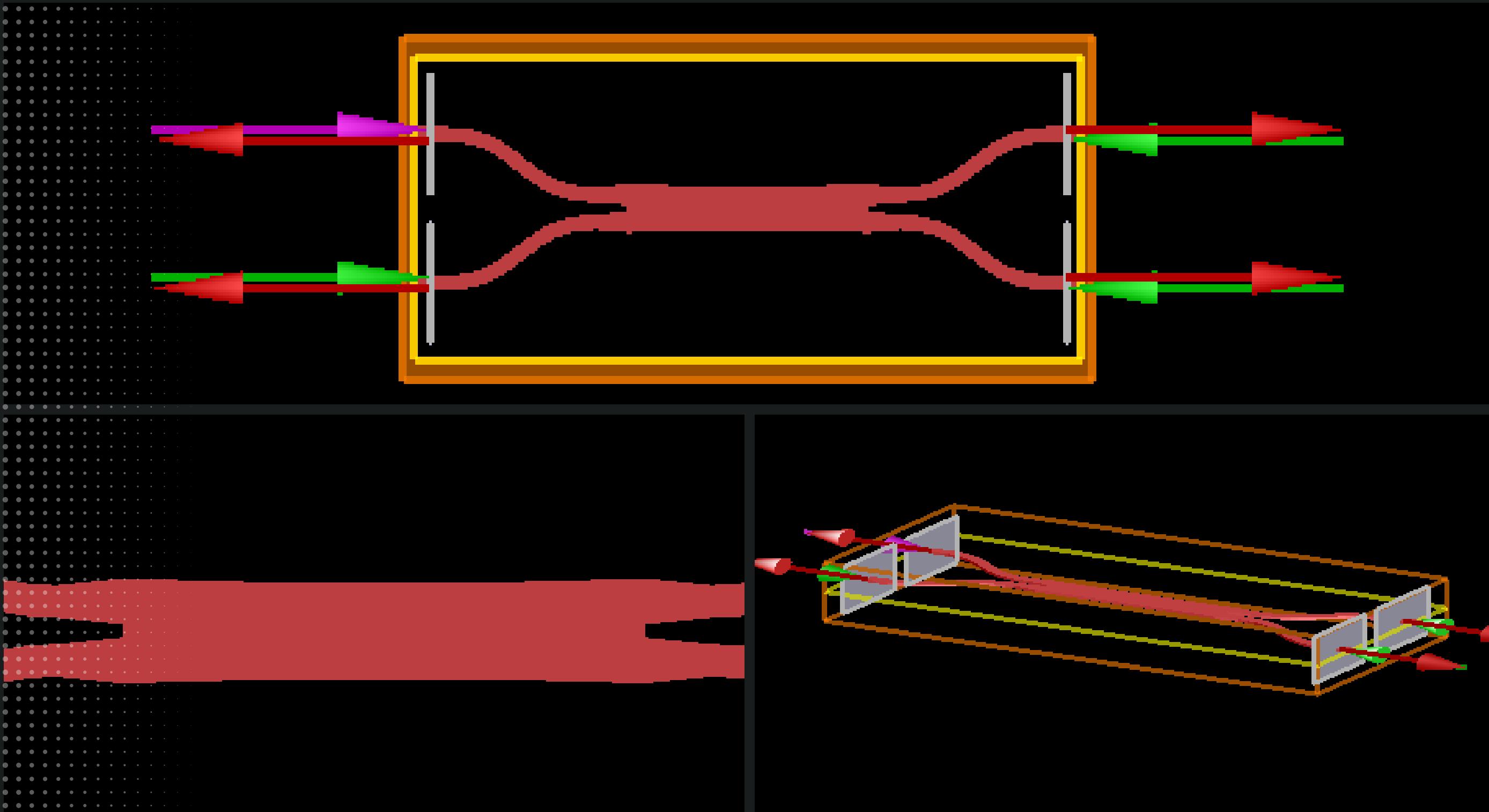
# Objective

- Replicate the base article guide individual components and used bend waveguide.

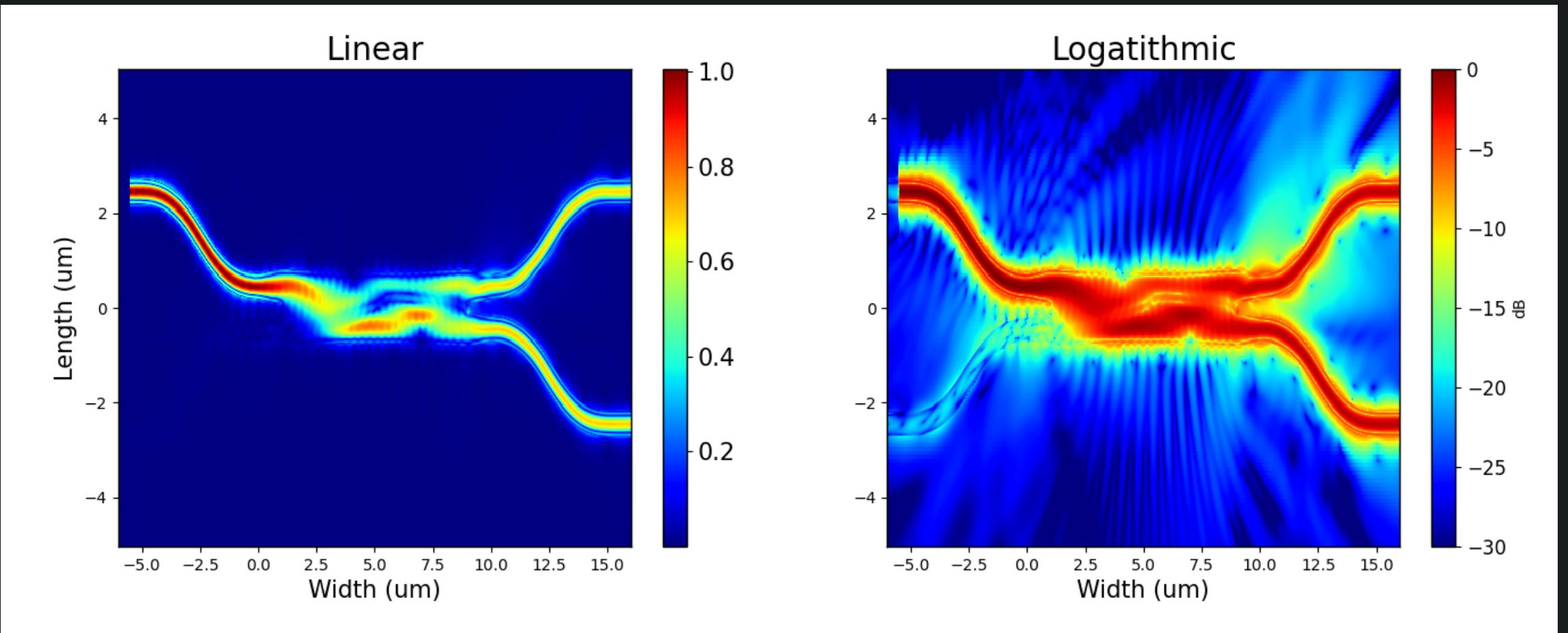


MMI

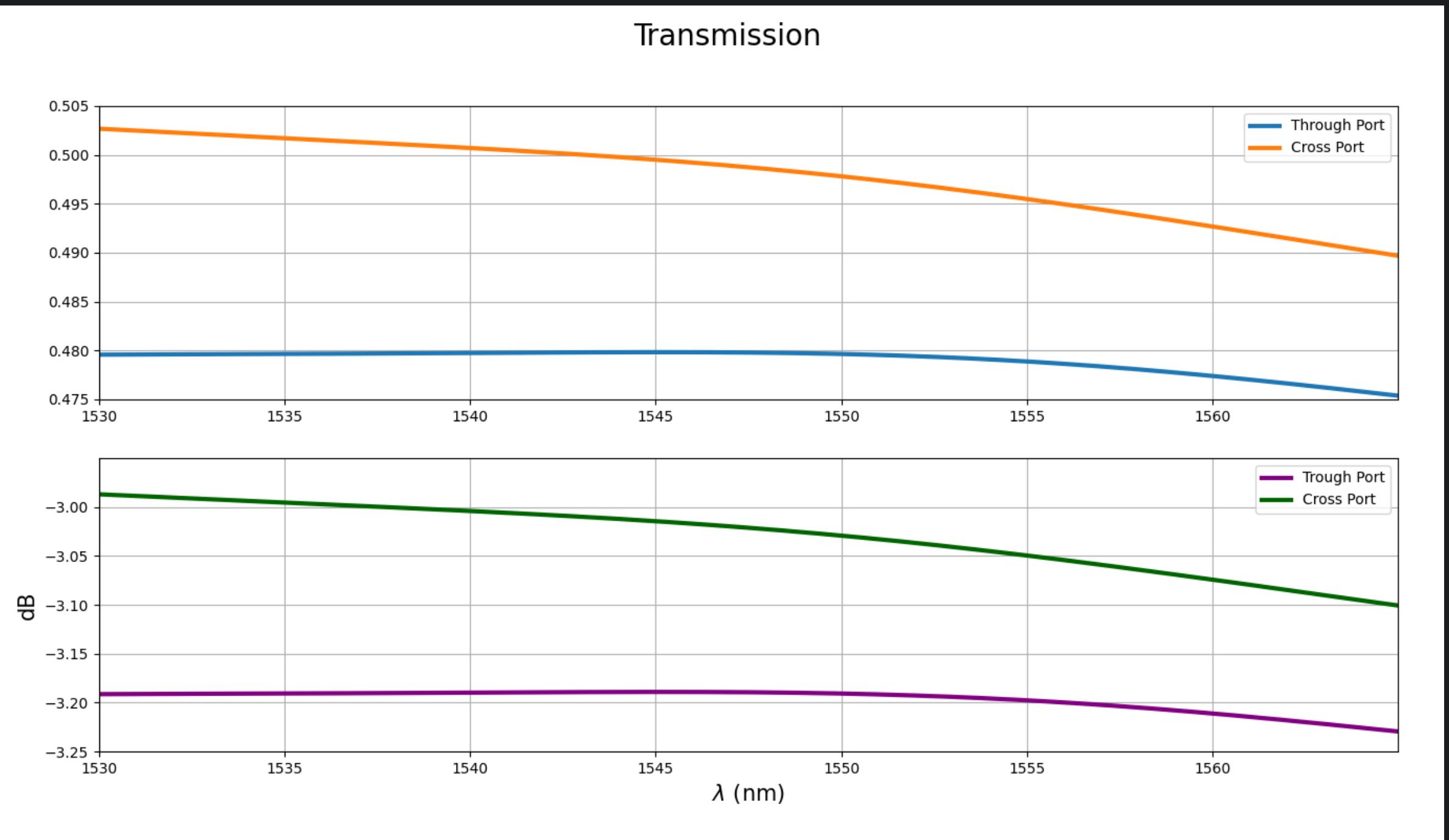




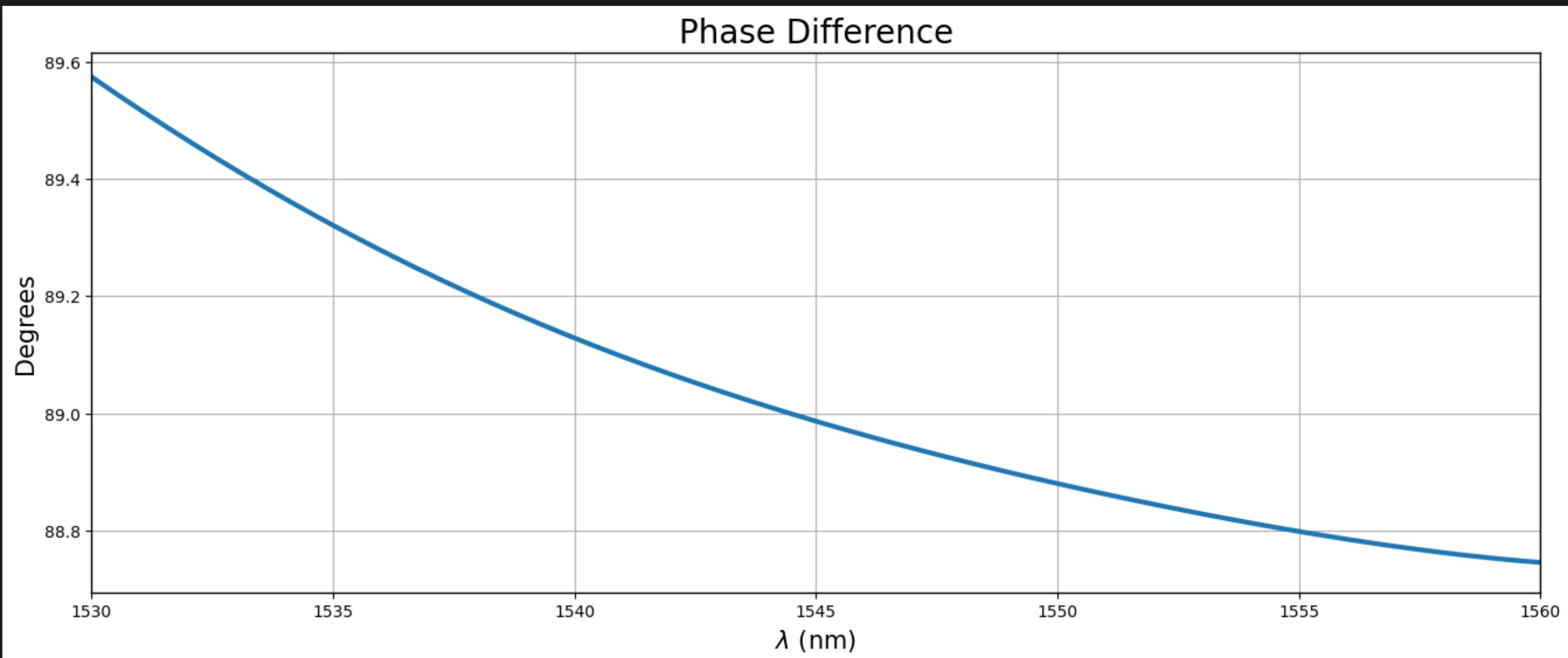
# Field



# Transmission



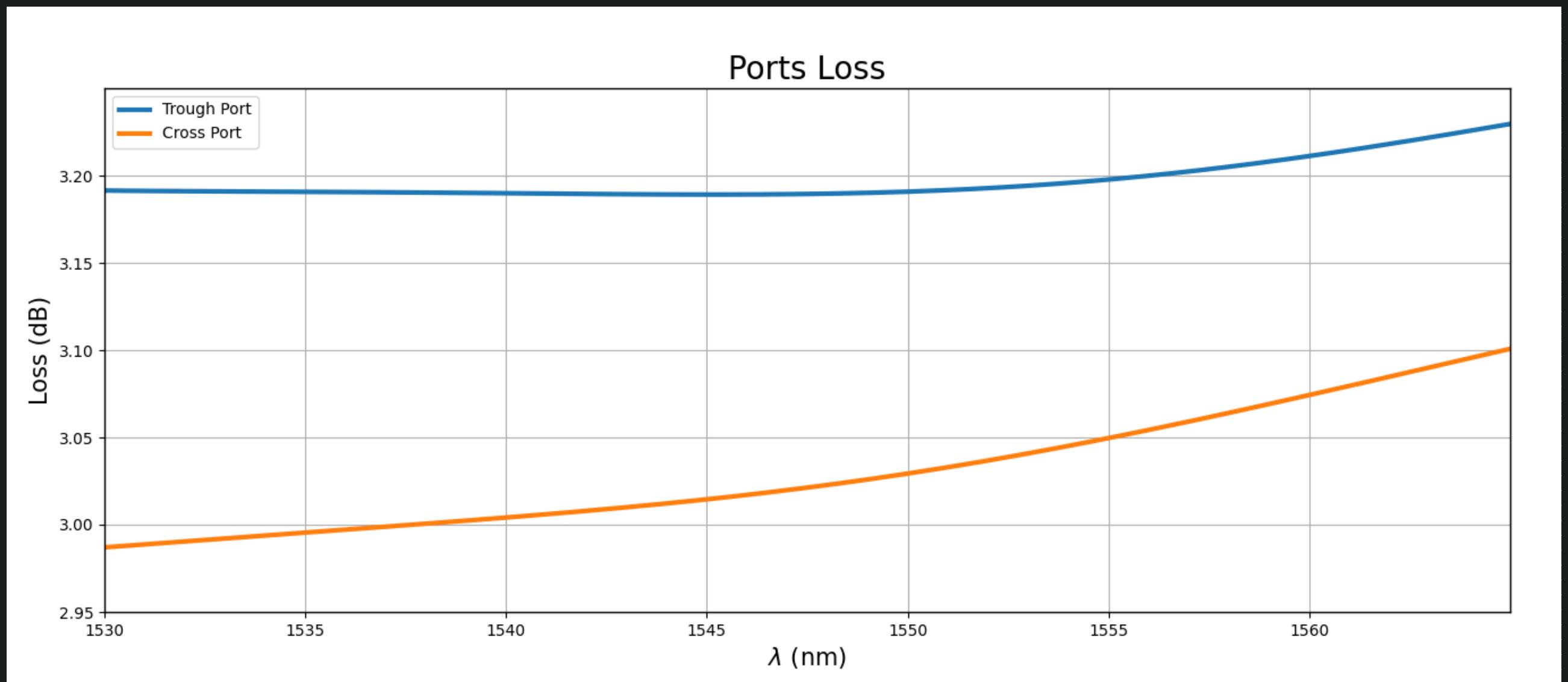
# Phase Diference



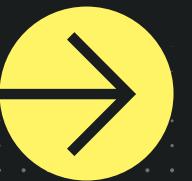
# Insertion Loss

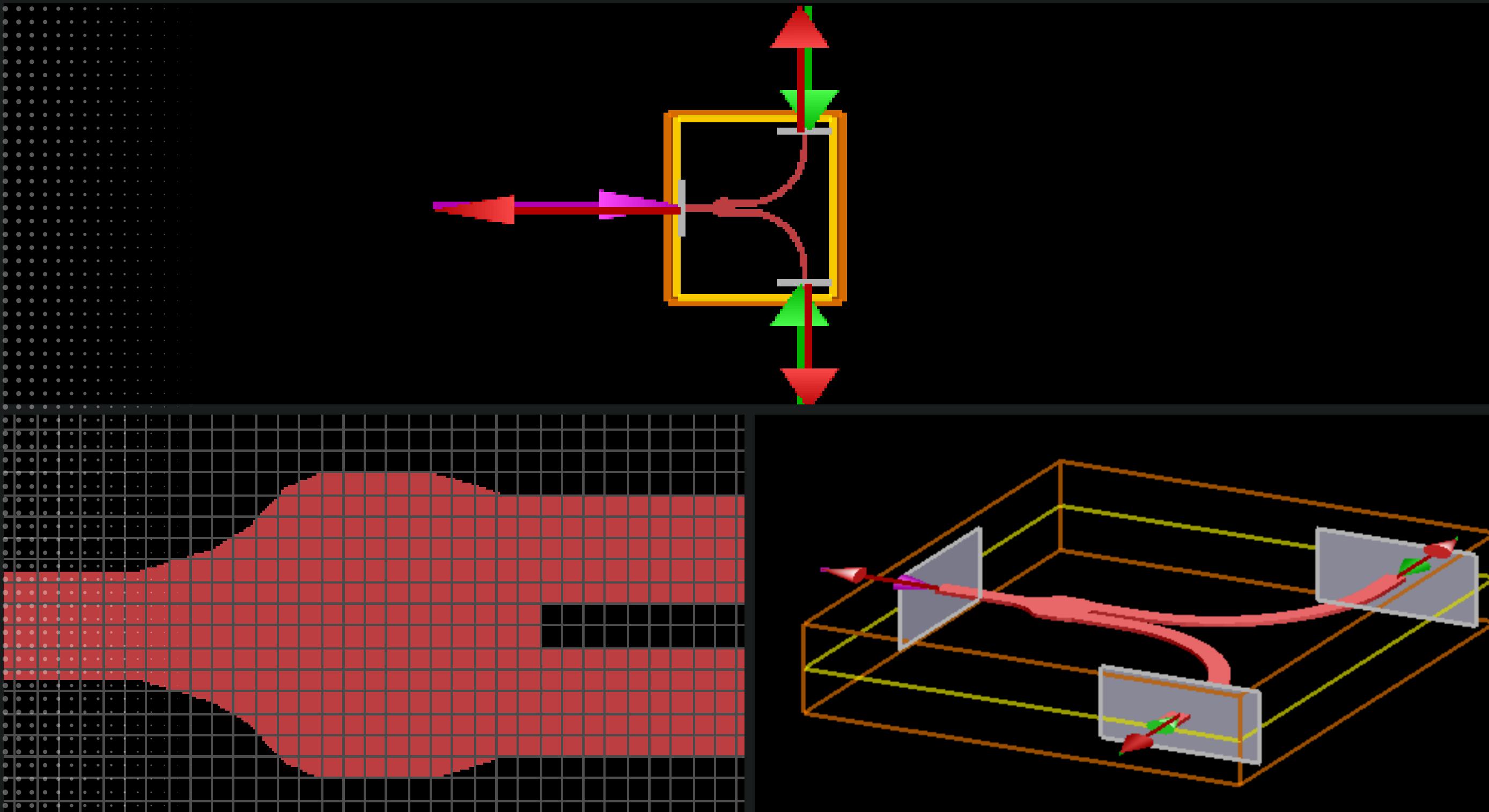


# Ports Loss

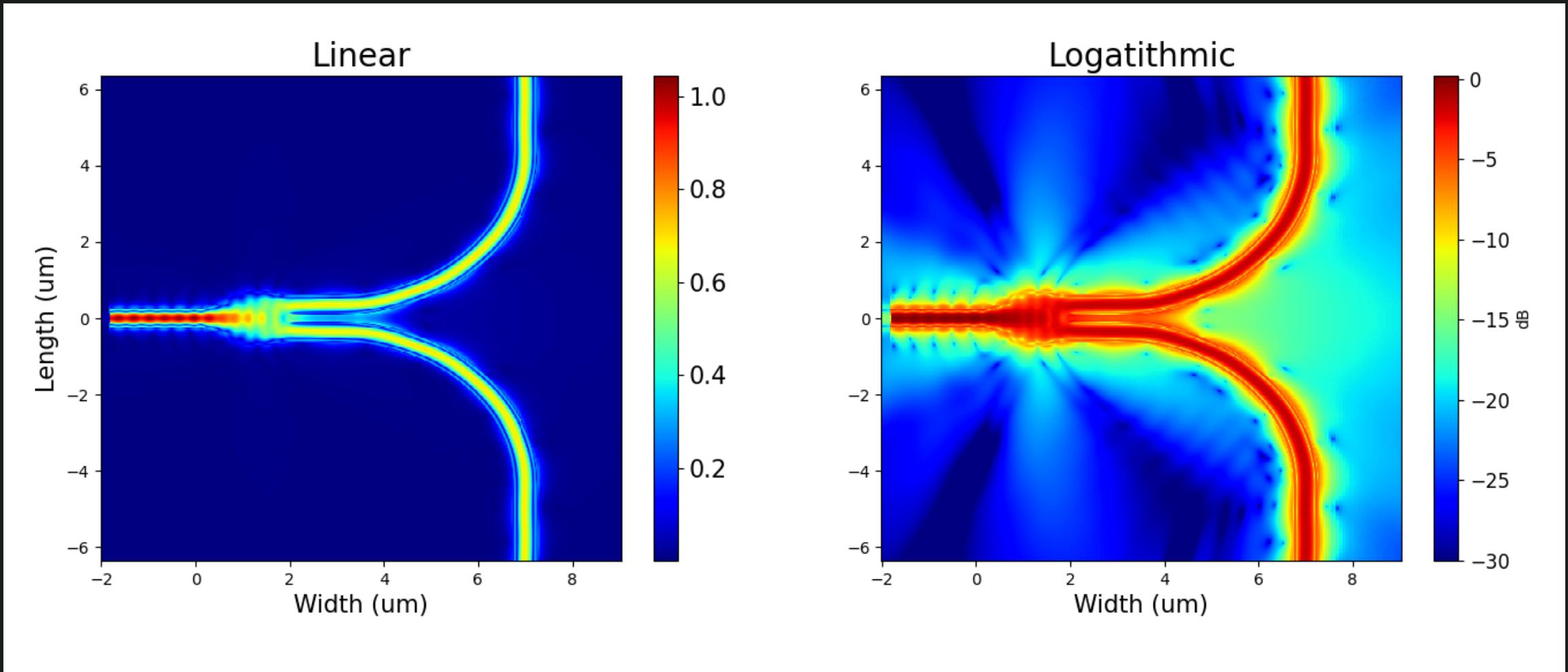


# Y-Branch

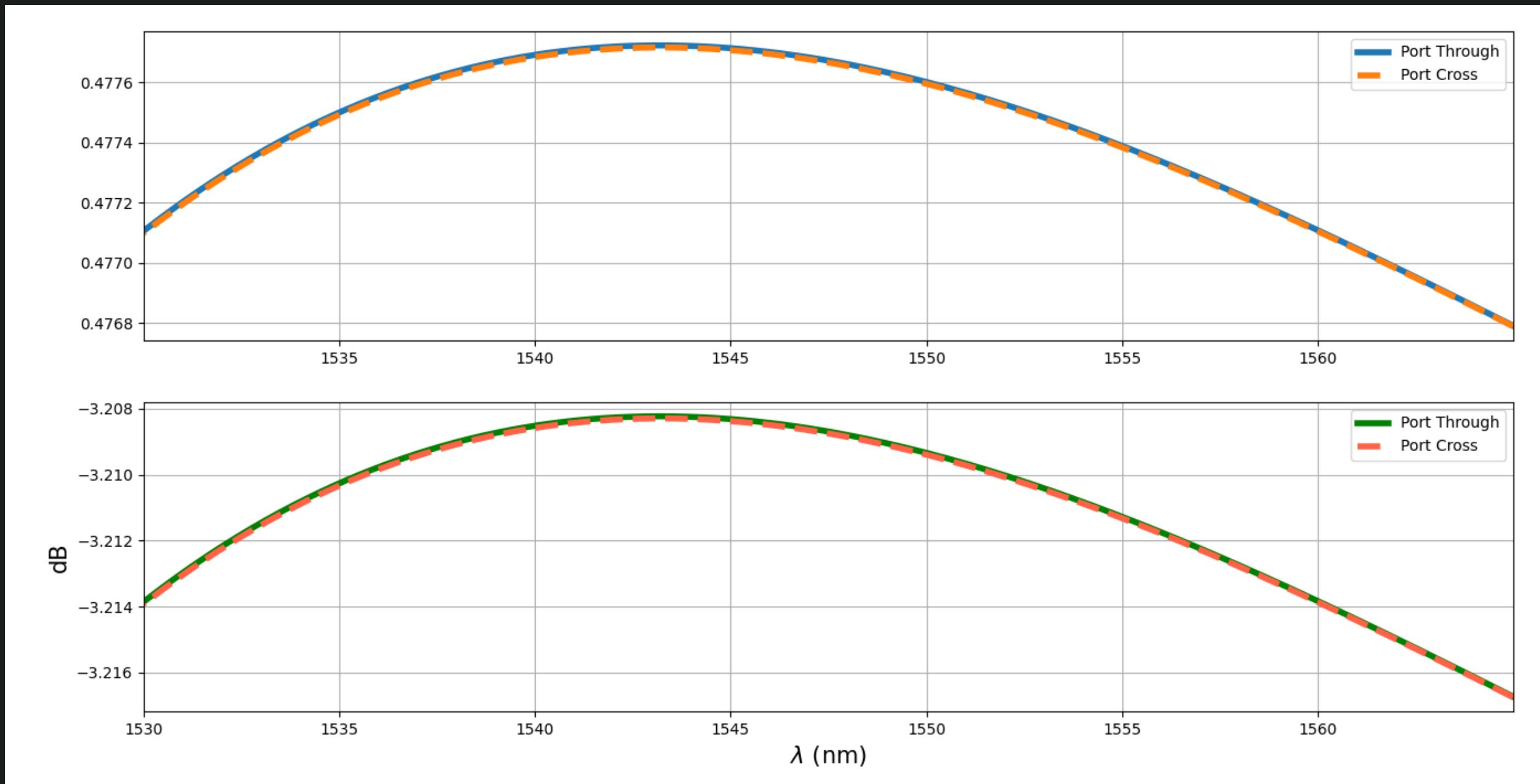




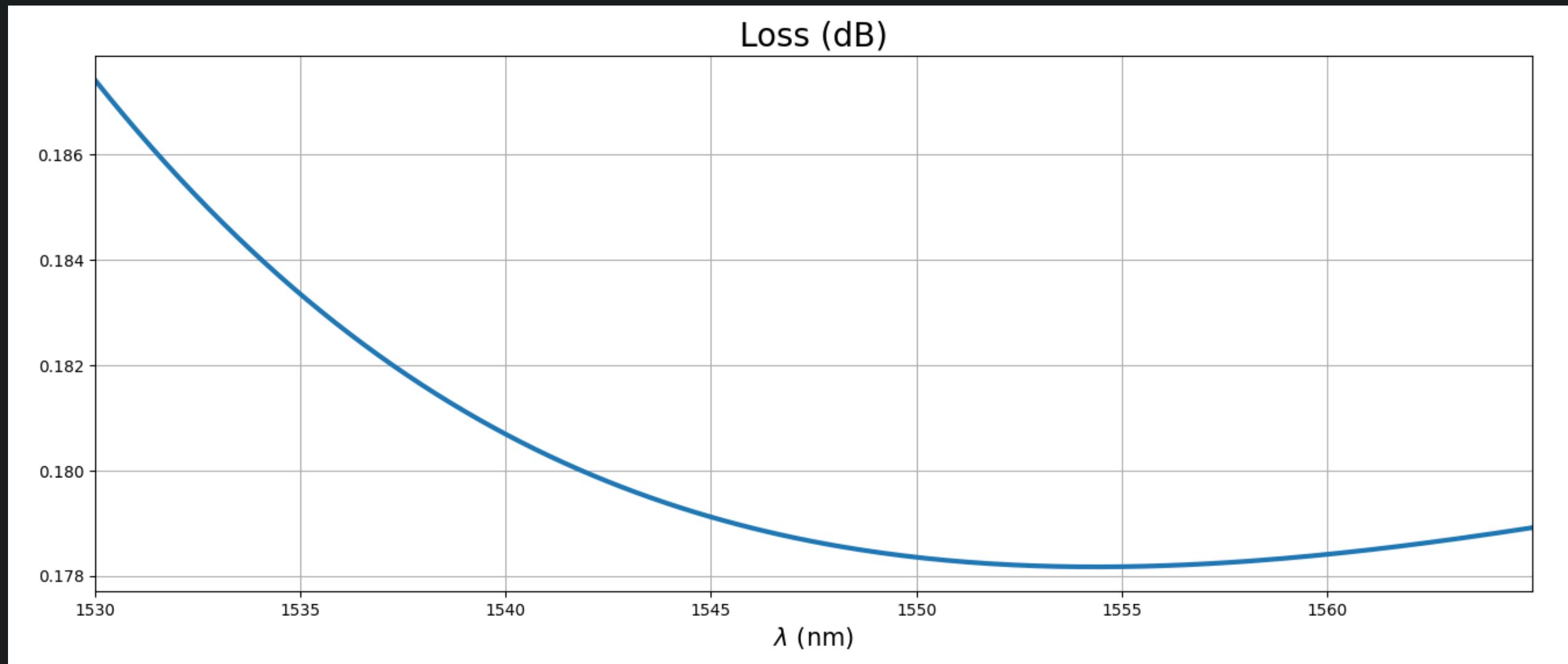
# Field



# Transmission

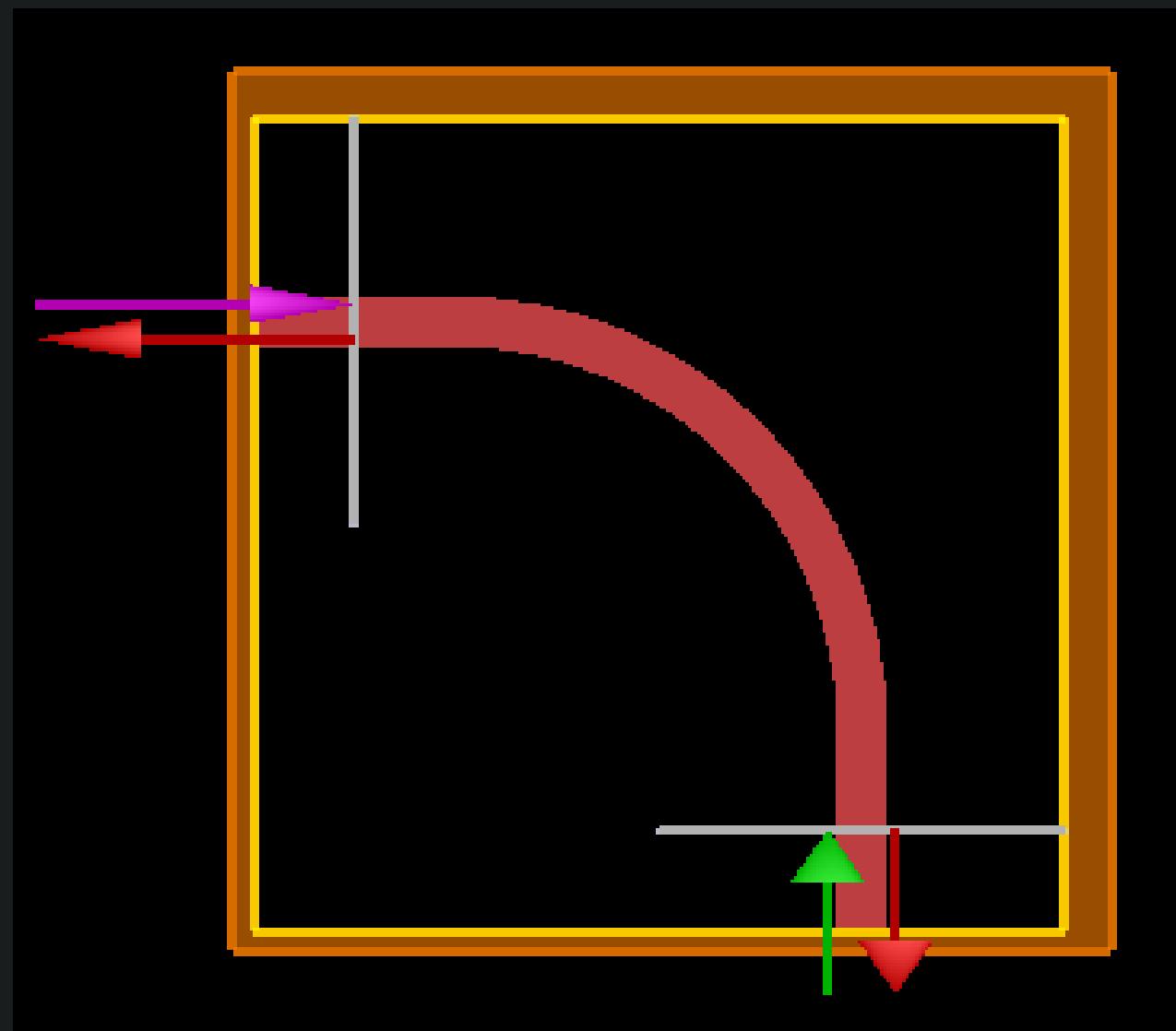


# Insertion Loss

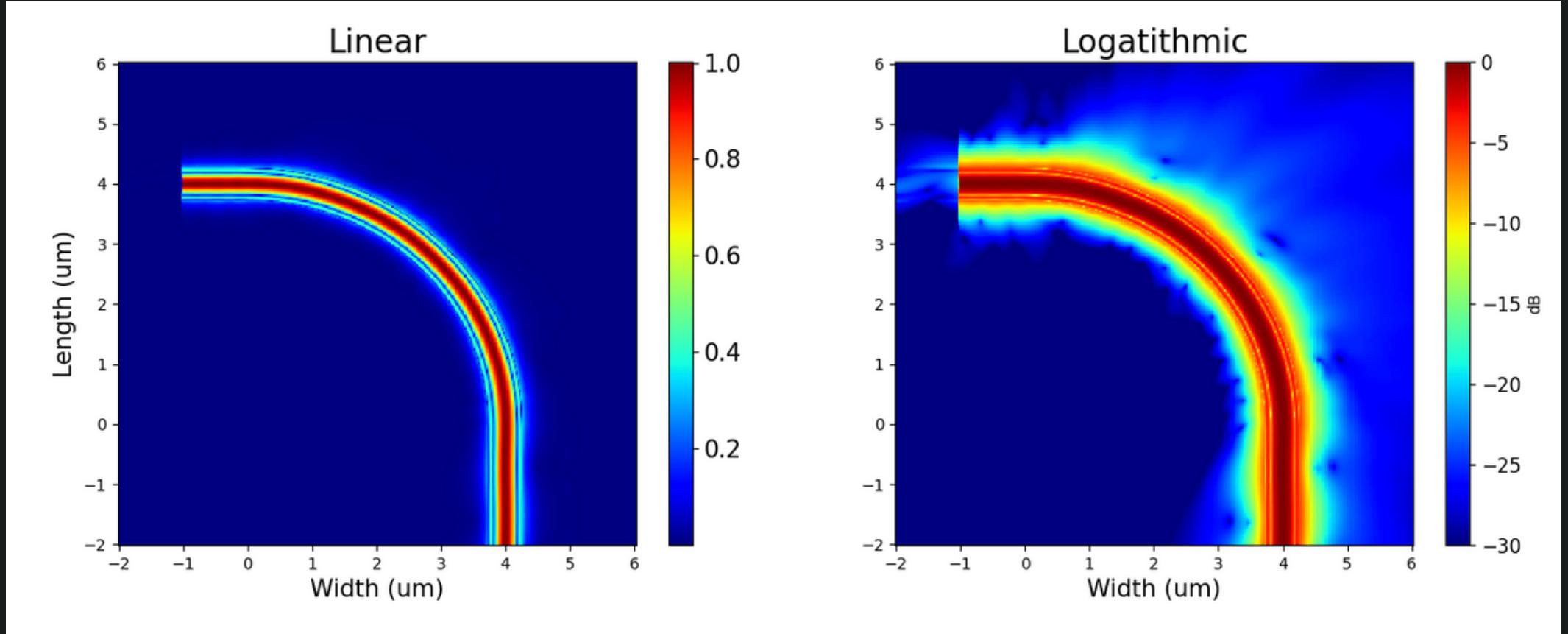


Bend

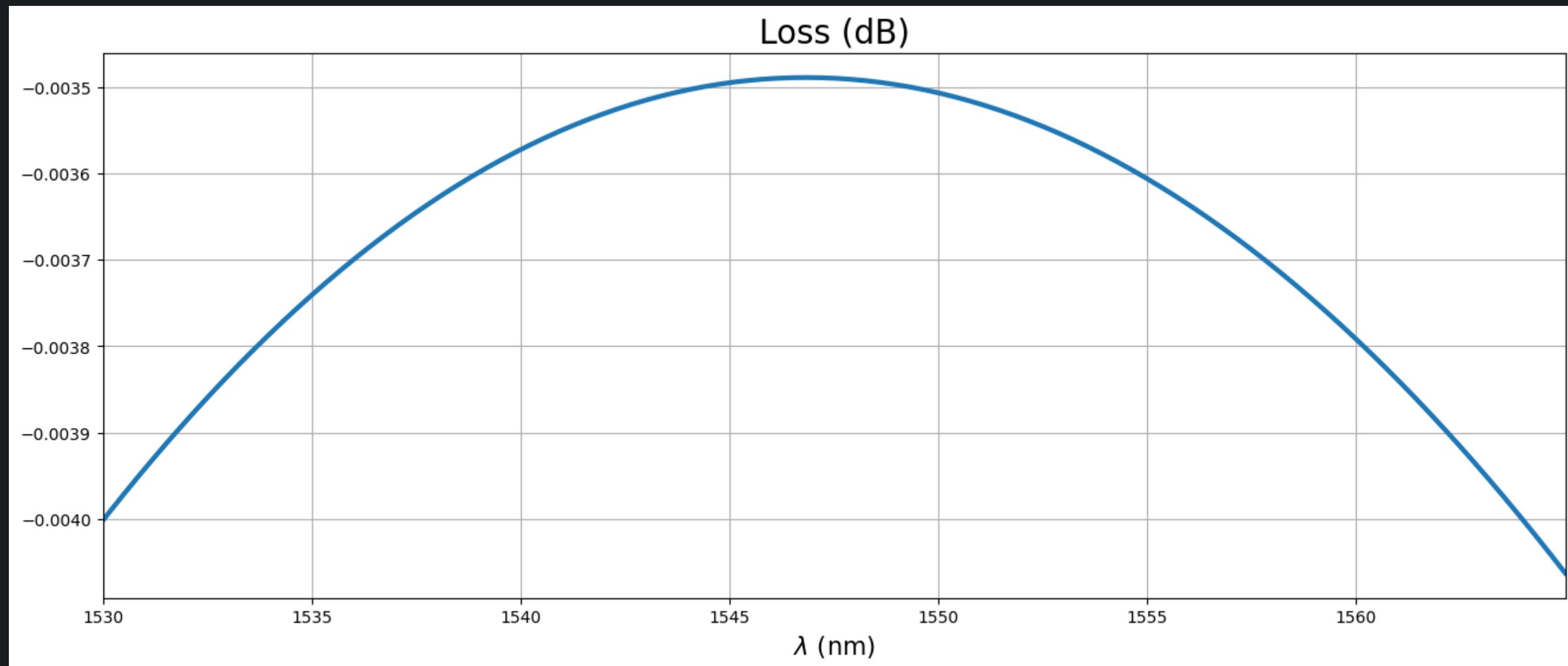




# Field



# Insertion Loss



# Conclusion

The generated components results are satisfactory for the usage and study. The variations are little and may could be fixed by changing simulation settings and meshing some areas.