

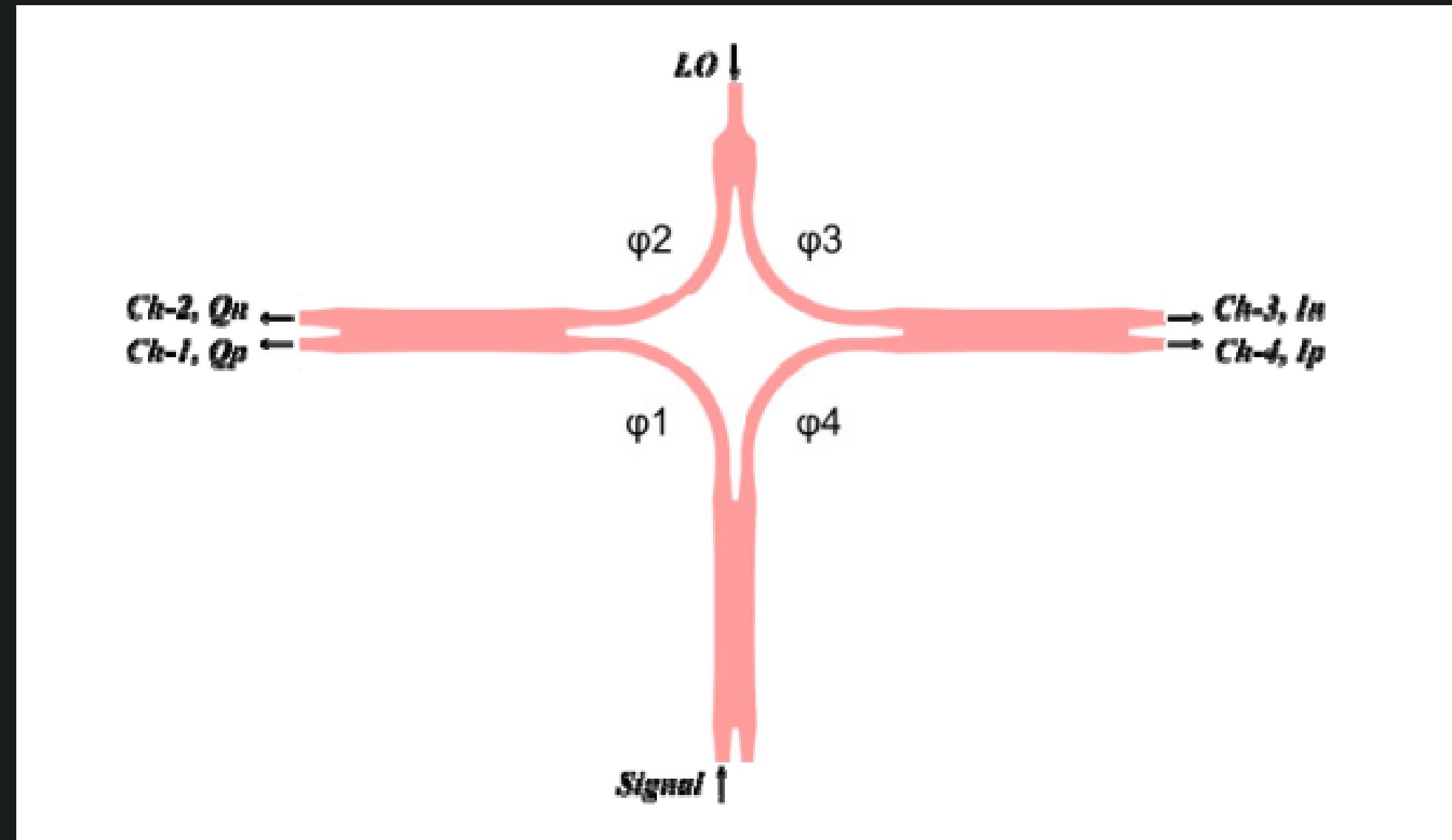
90° Optical Hybrid

Week 2

Leonardo Pessôa

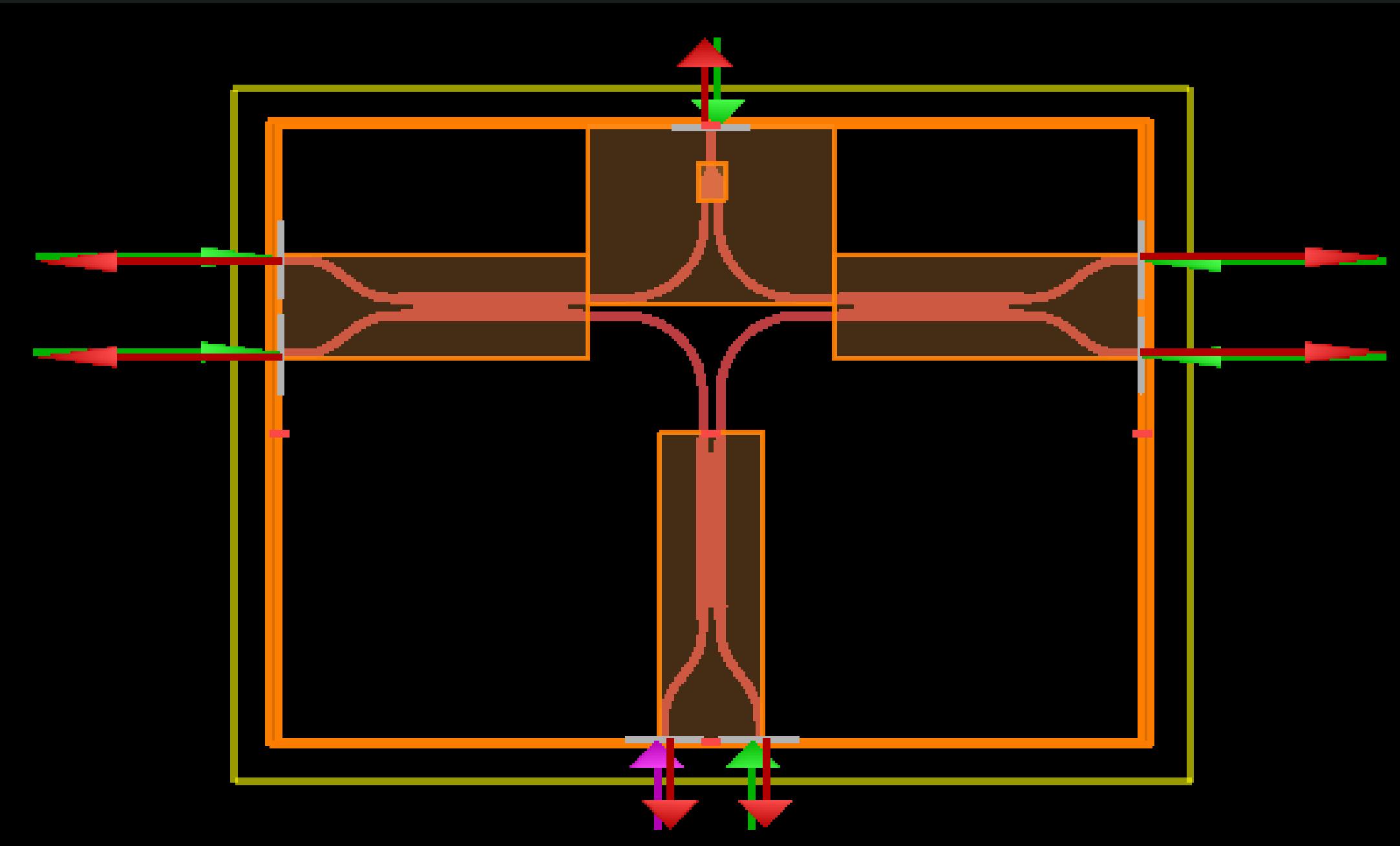
Objective

- Assemble the circuit with the components made on week 1.

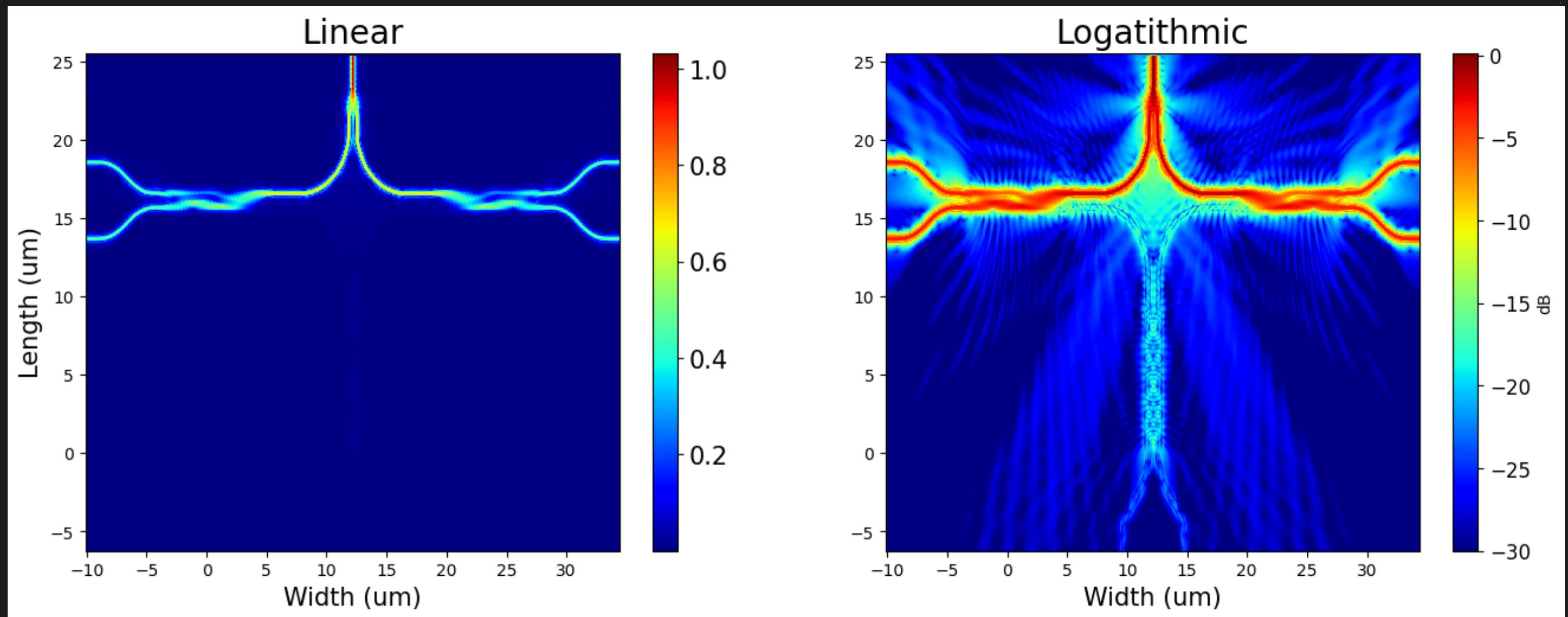


FDTD

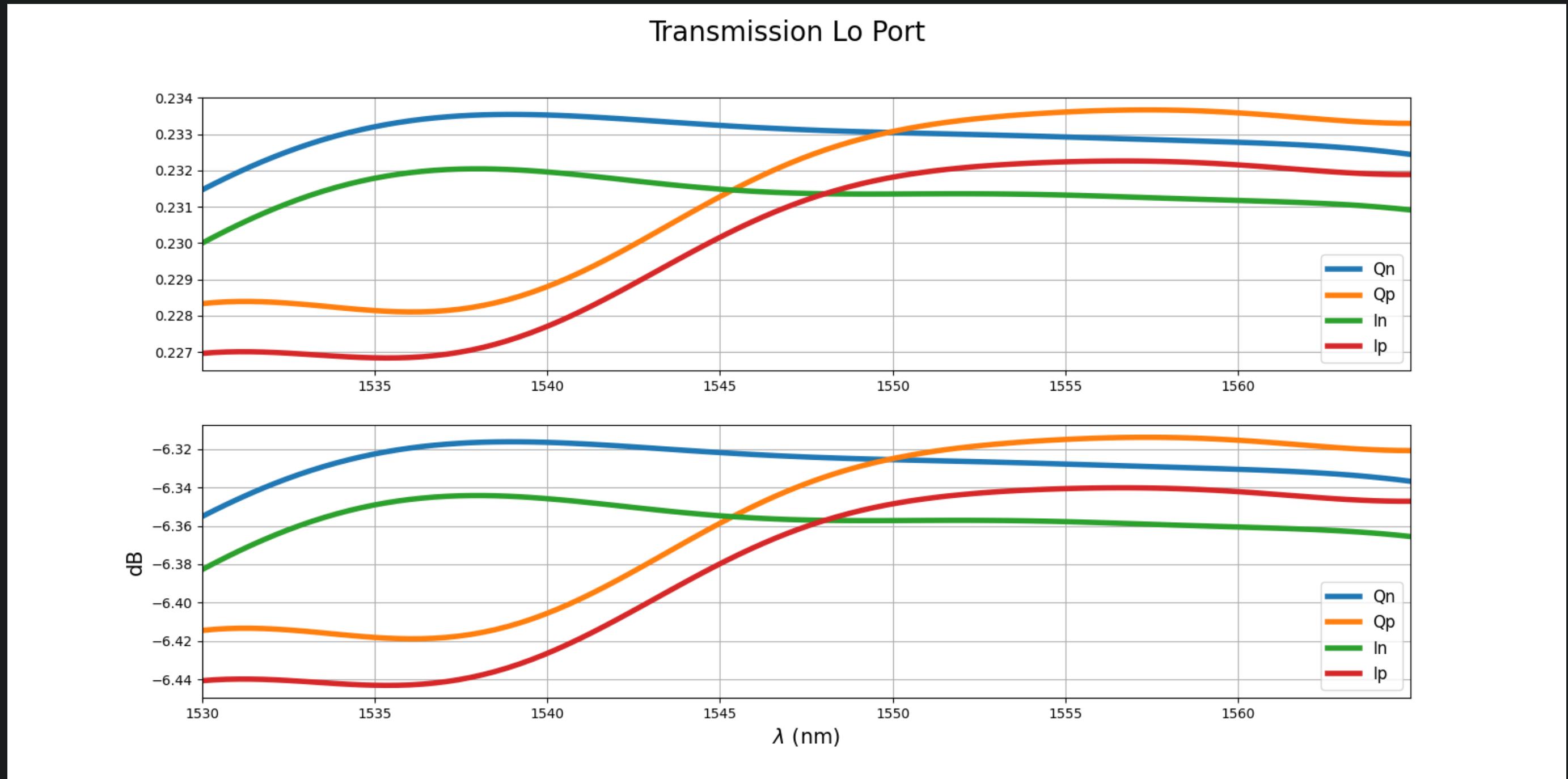




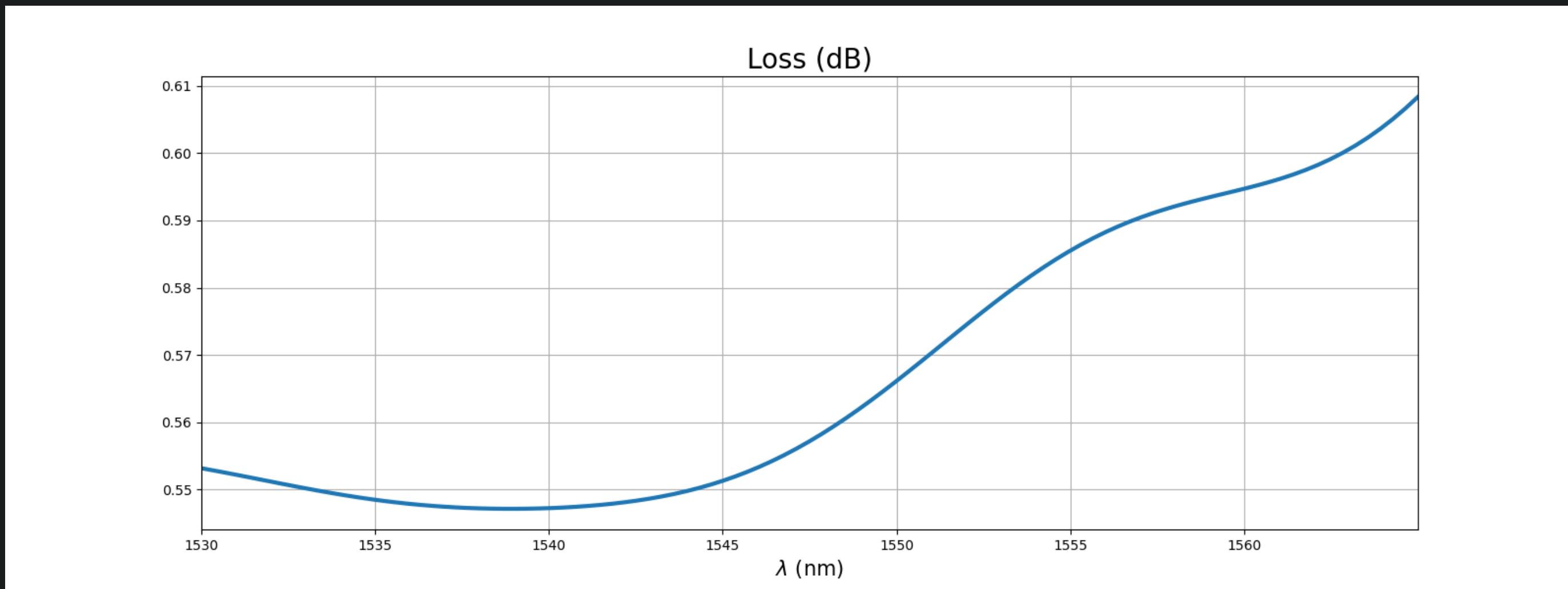
Field - Lo Input



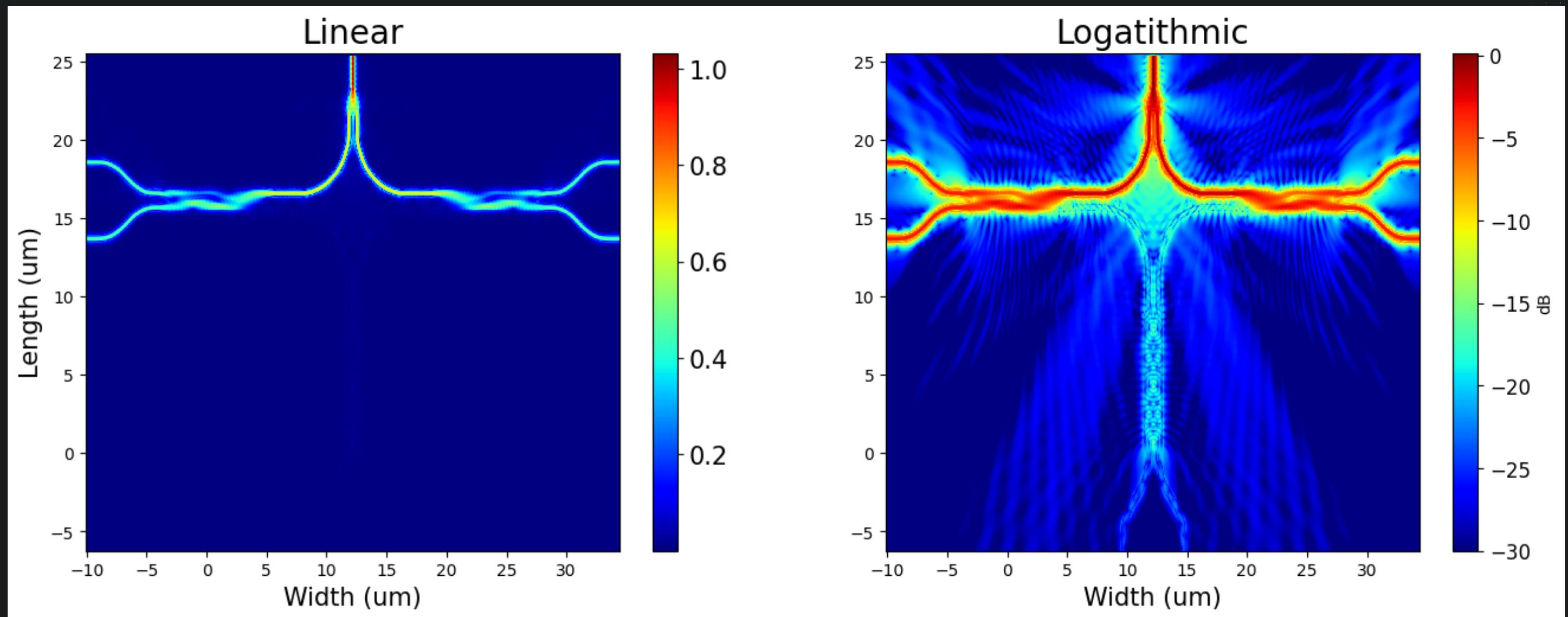
Transmission Lo Input



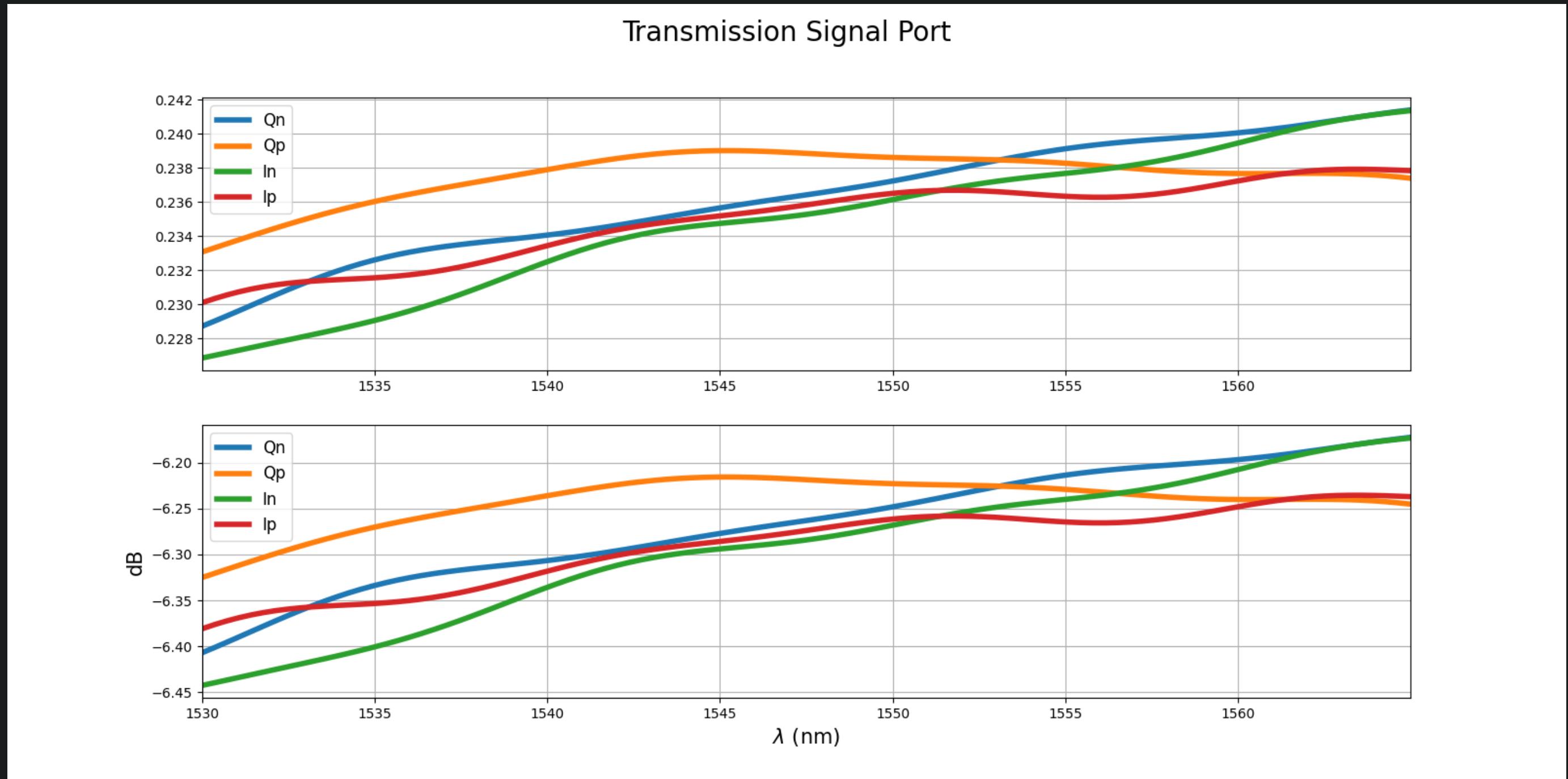
Loss (dB) - Lo Input



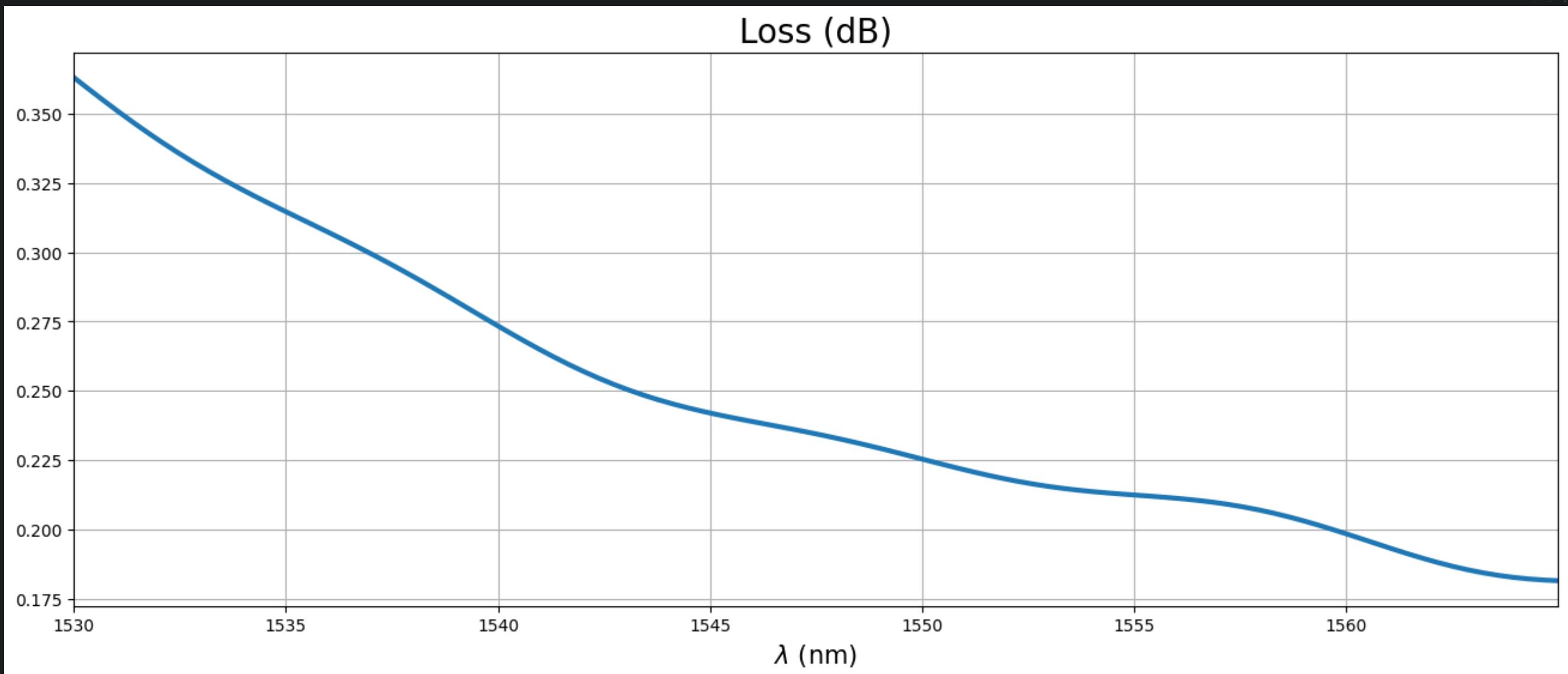
Field - Signal Input



Transmission Signal Input

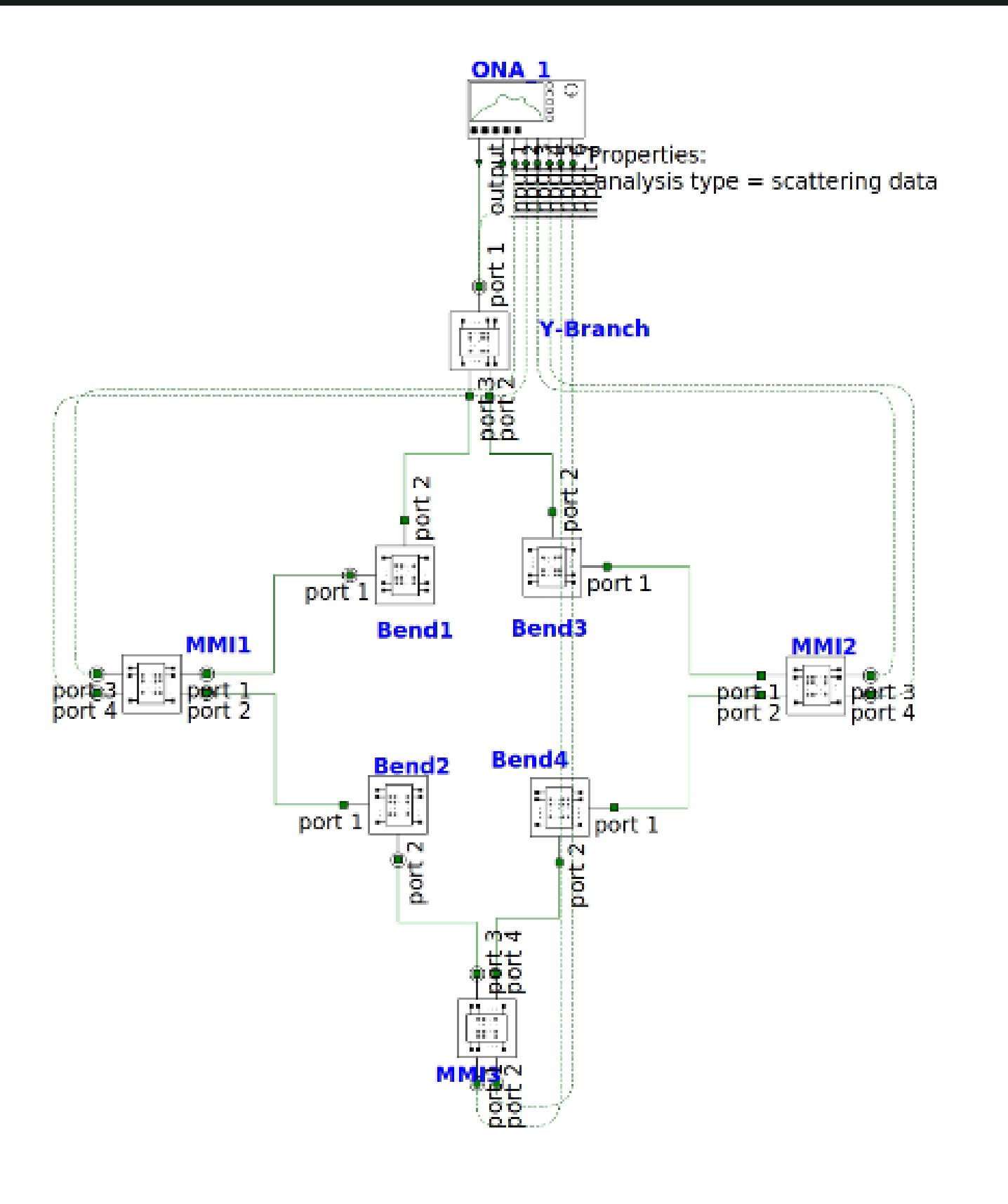


Loss (dB) - Signal Input

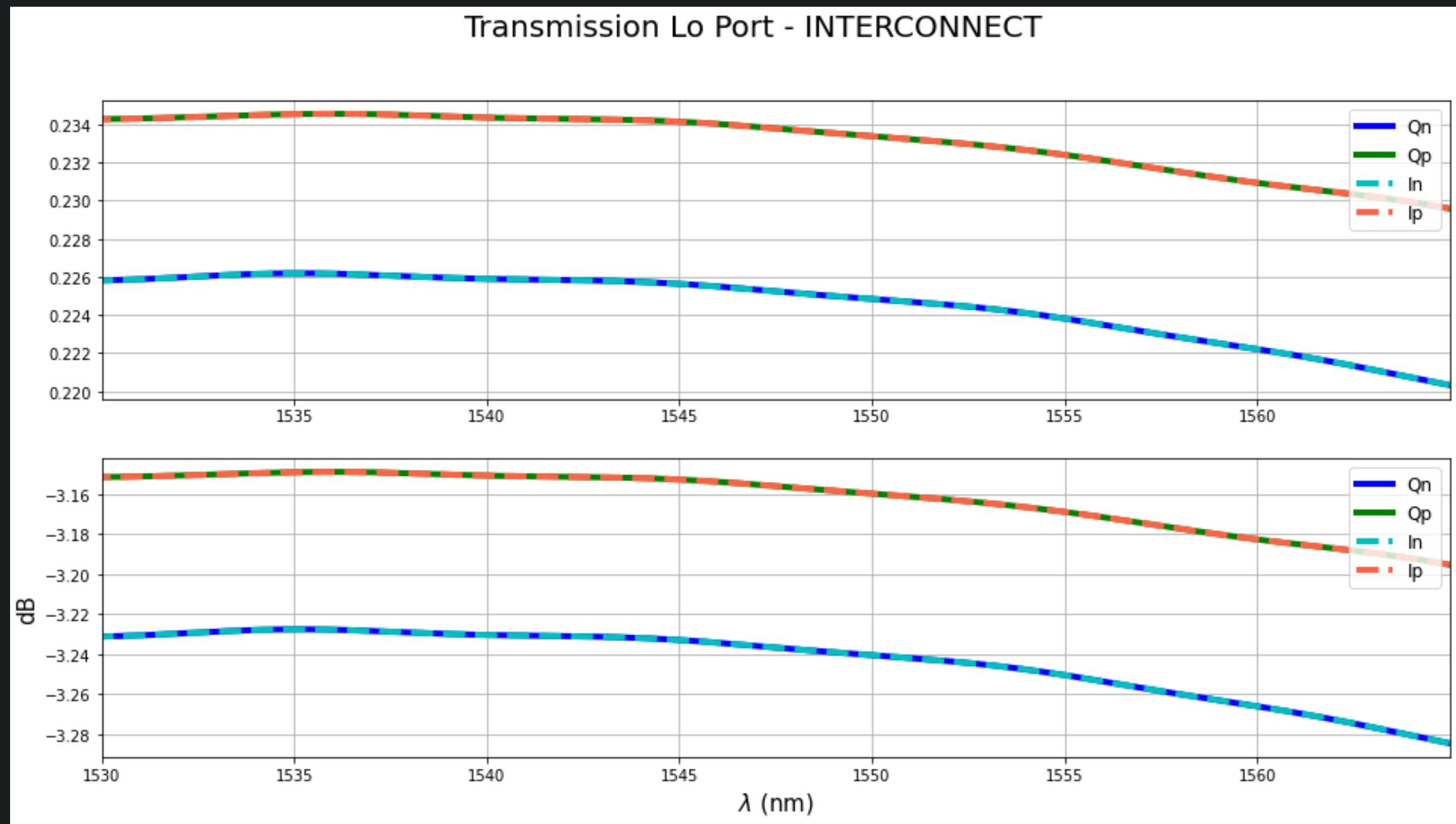


INTERCONNECT

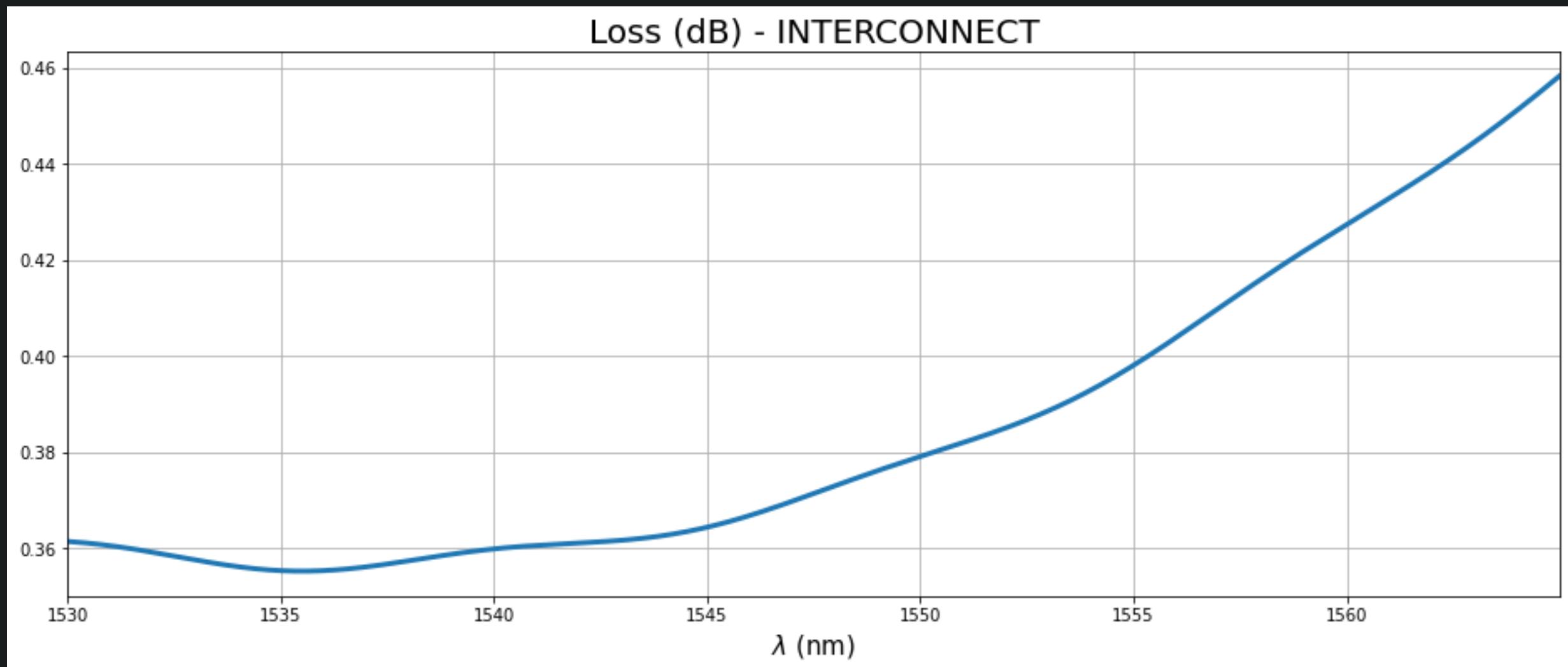




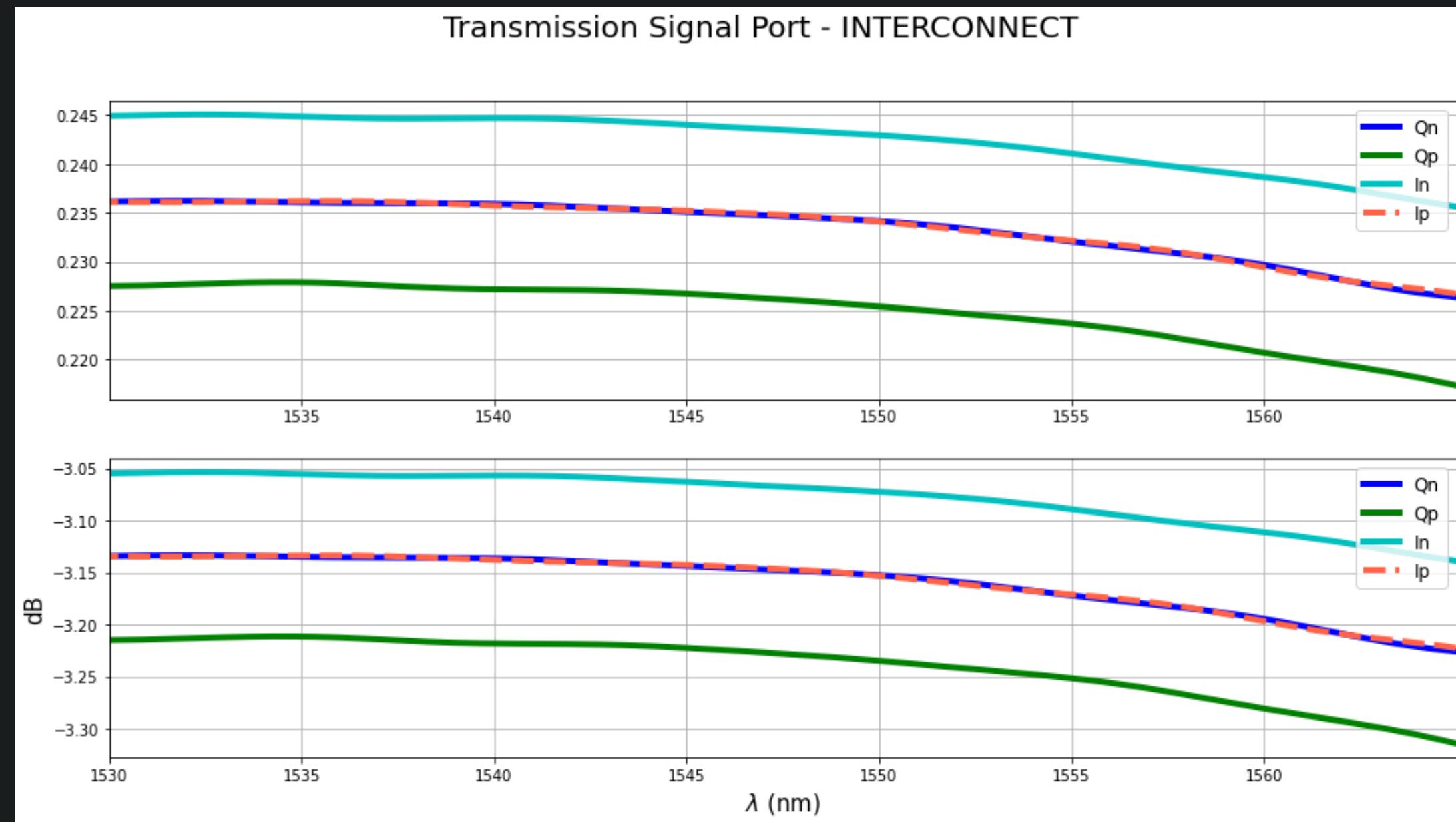
Transmission Lo Input



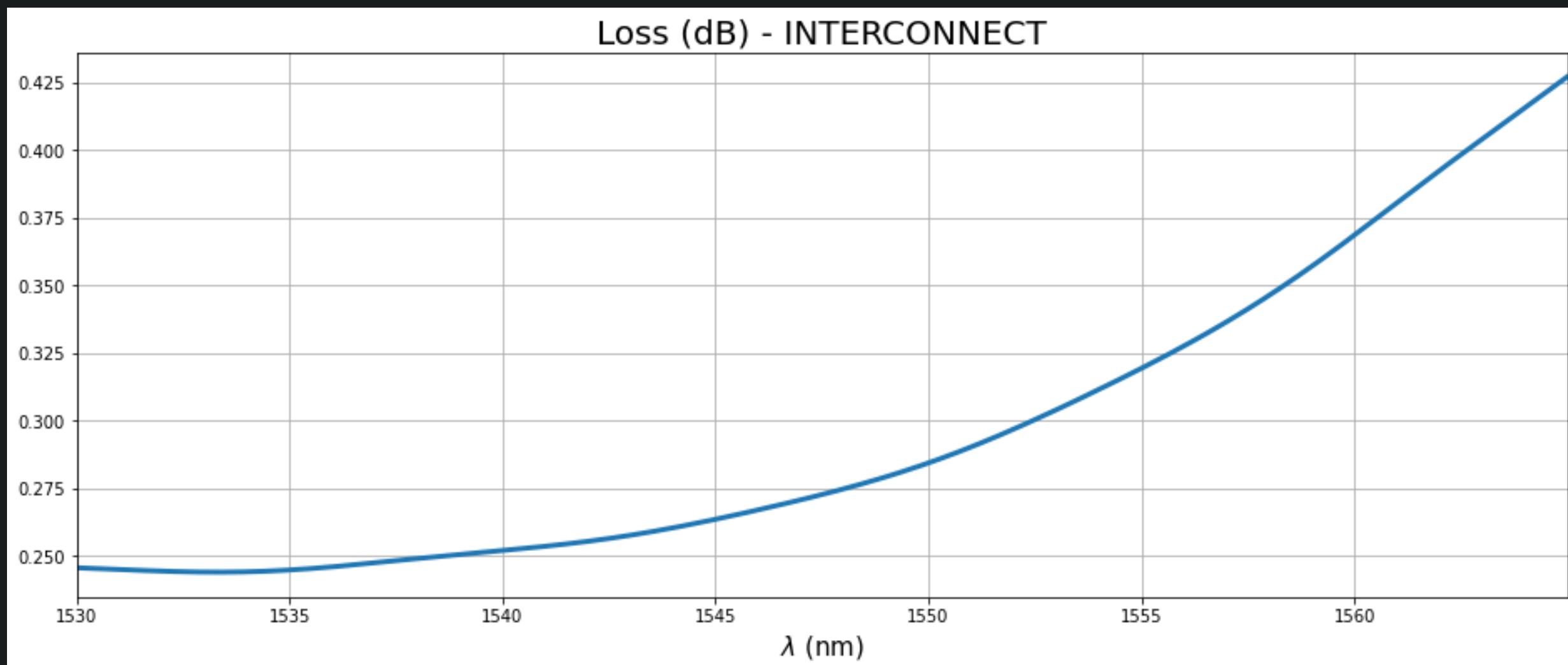
Loss (dB) - Lo Input



Transmission Signal Input



Loss (dB) - Lo Input



Conclusion

The INTERCONNECT and FDTD results diverges a bit but still similar to the article, thus the objective are achieved.