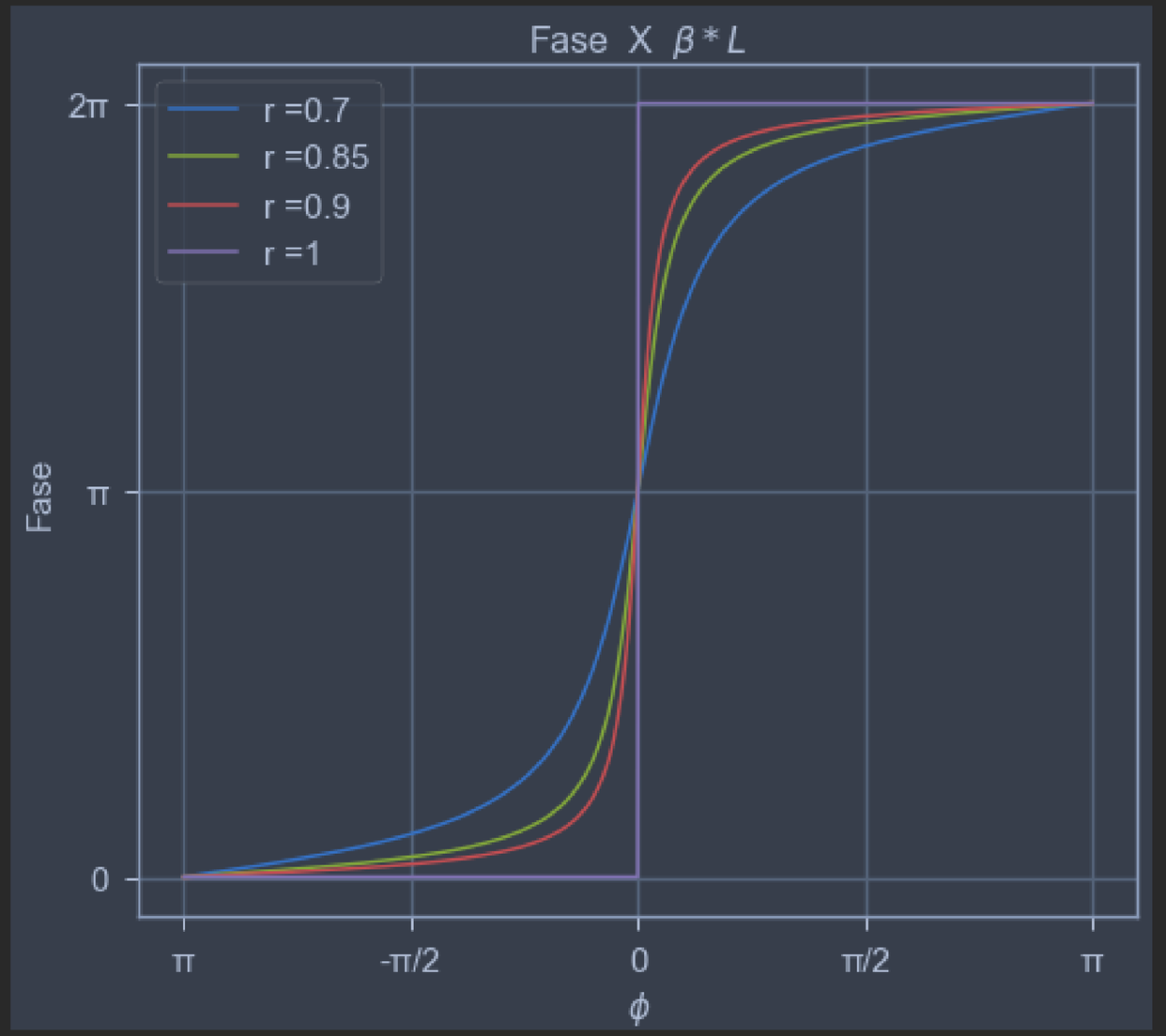
DESIGN
ANEL DE RESSONANCIA

SEMANA 1 E 2

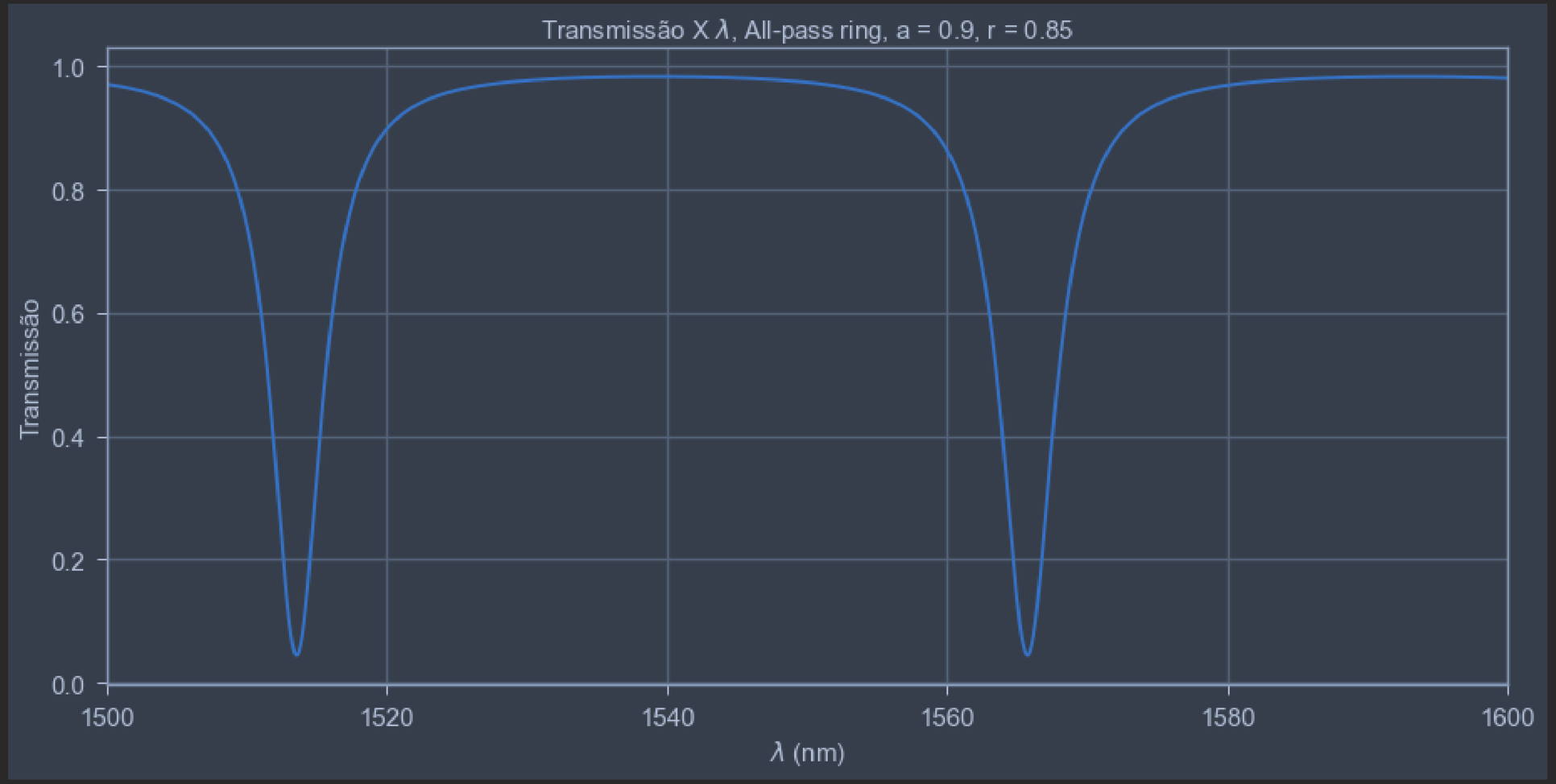
ESTUDO DE REFERENCIAS

GRÁFICOS TEÓRICOS



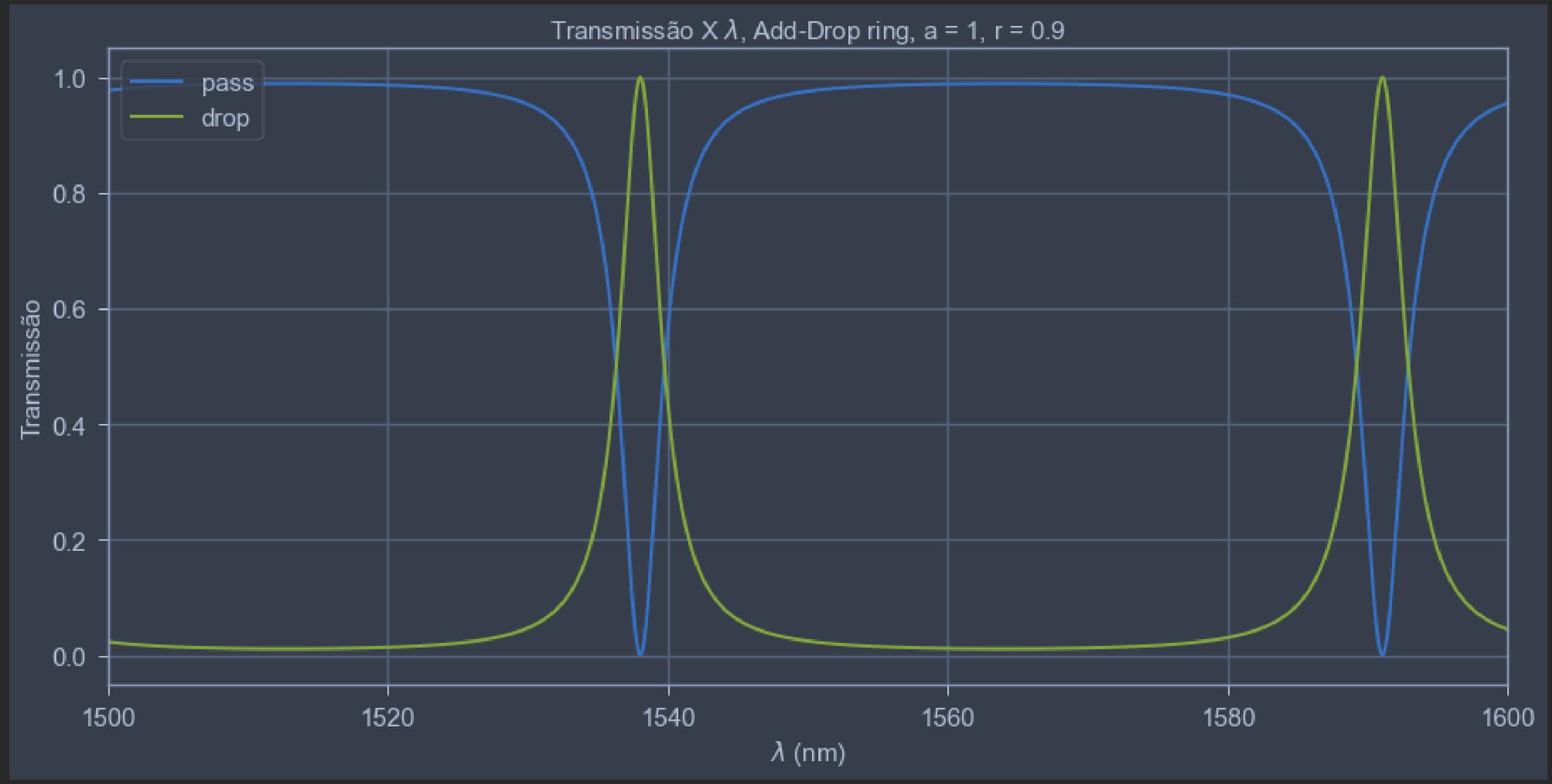
GRÁFICOS TEÓRICOS

Transmissão All pass ring



GRÁFICOS TEÓRICOS

Transmissão Add-drop ring



DESIGN DE UM ANEL DE RESSONÂNCIA

Especificações

FSR = 27.7 nm

MWHW = 0.88 nm

SOI in SiO2

Guia: 0.45/0.22 um

gap = 150 nm

Valores Teóricos

Comprimento total = 18.85 um

Comprimento de acoplamento = 5.74 um

Raio = 1.17 um

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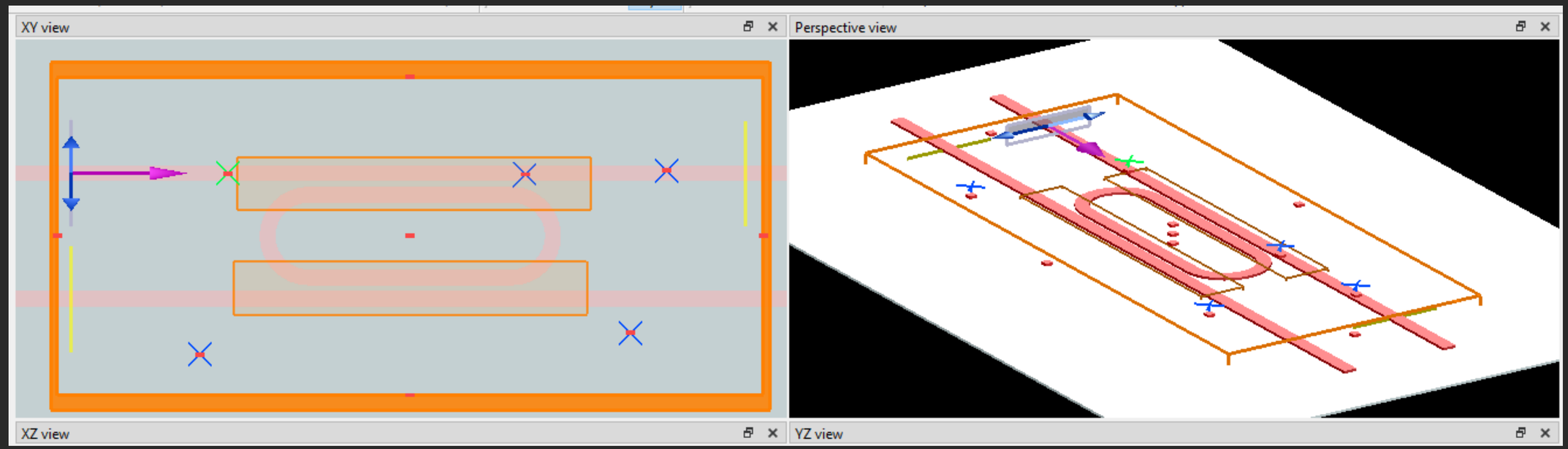
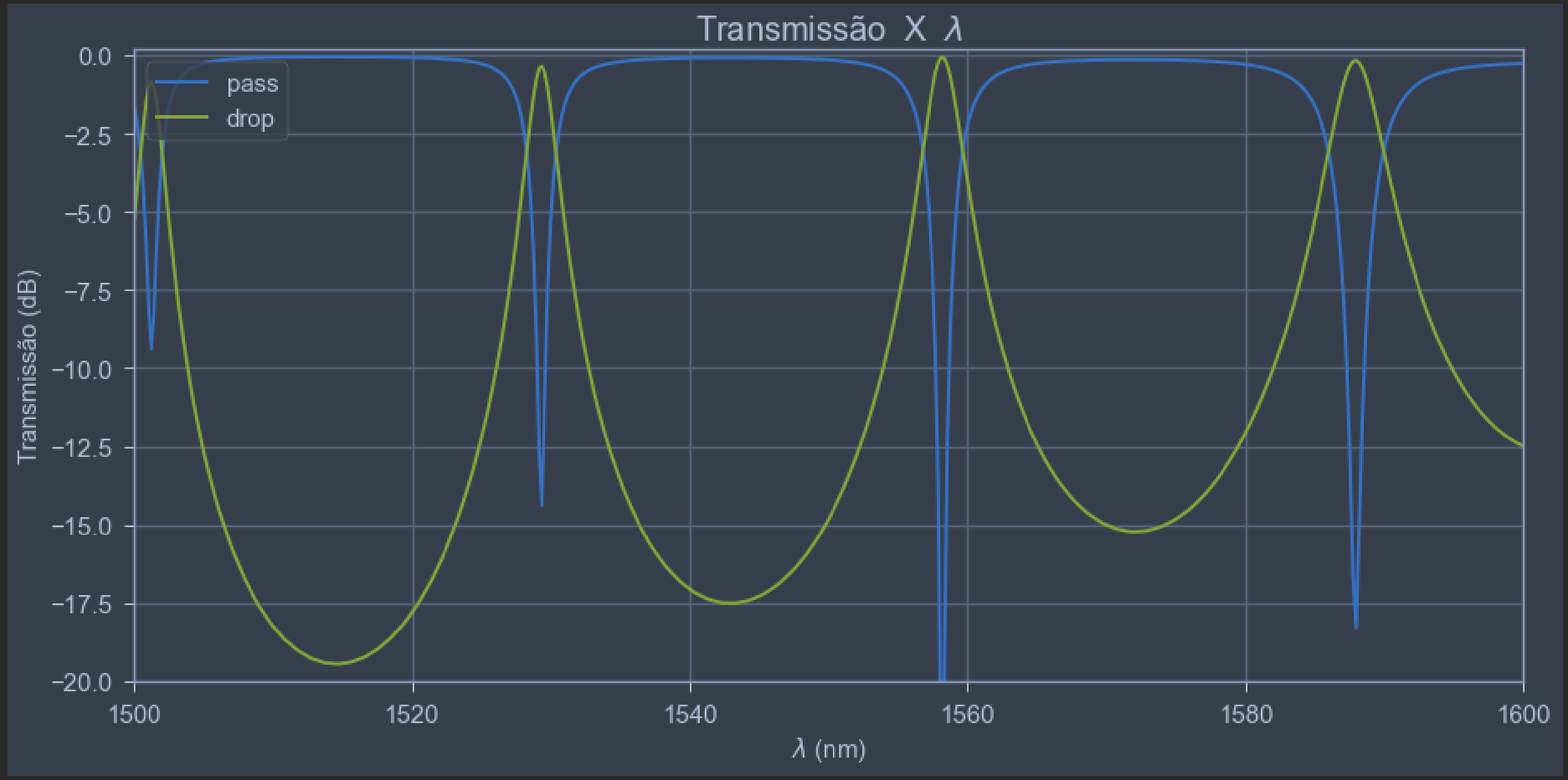
Simulação



DESIGN DE UM ANEL DE RESSONÂNCIA

Resultados



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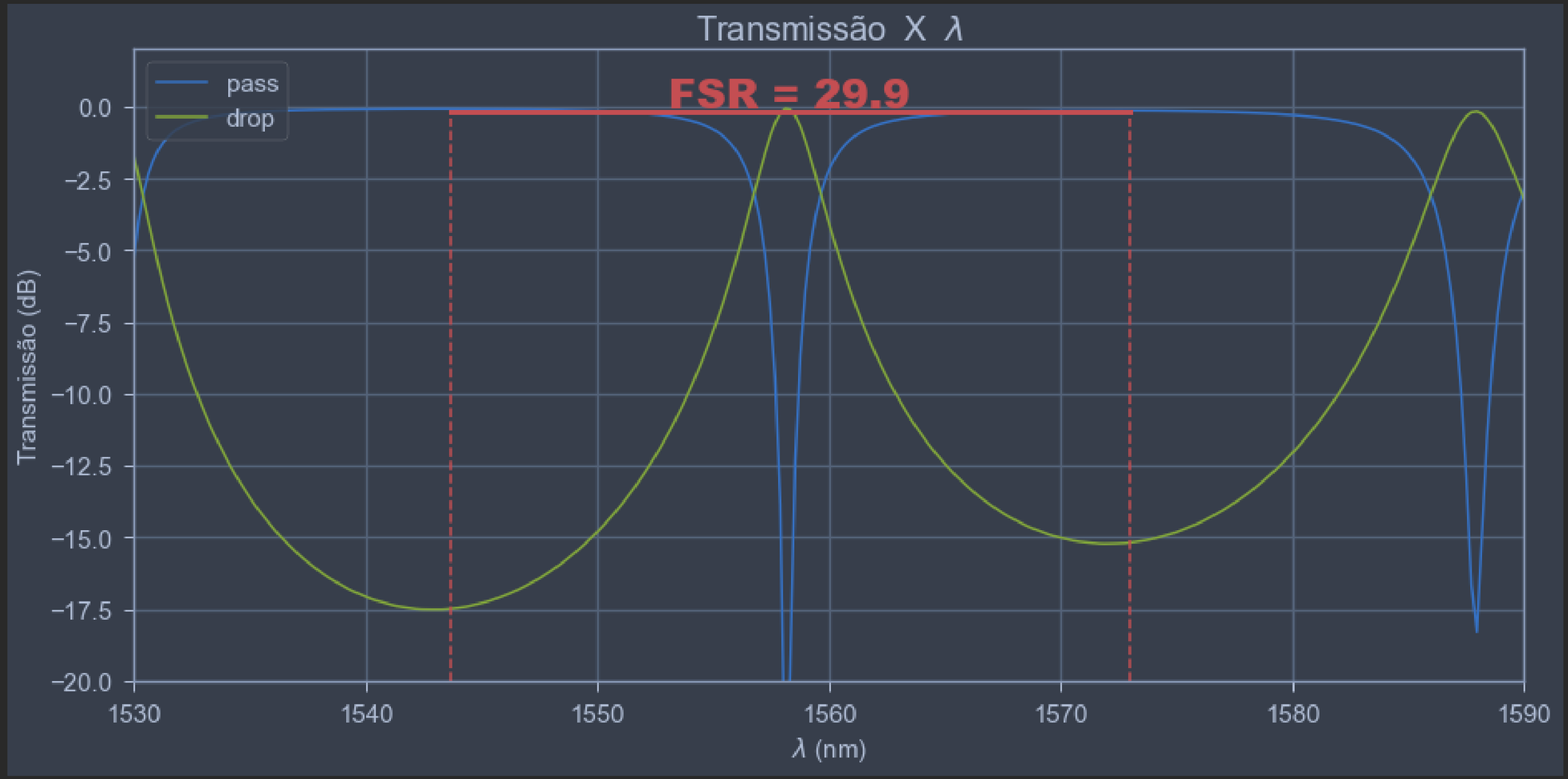

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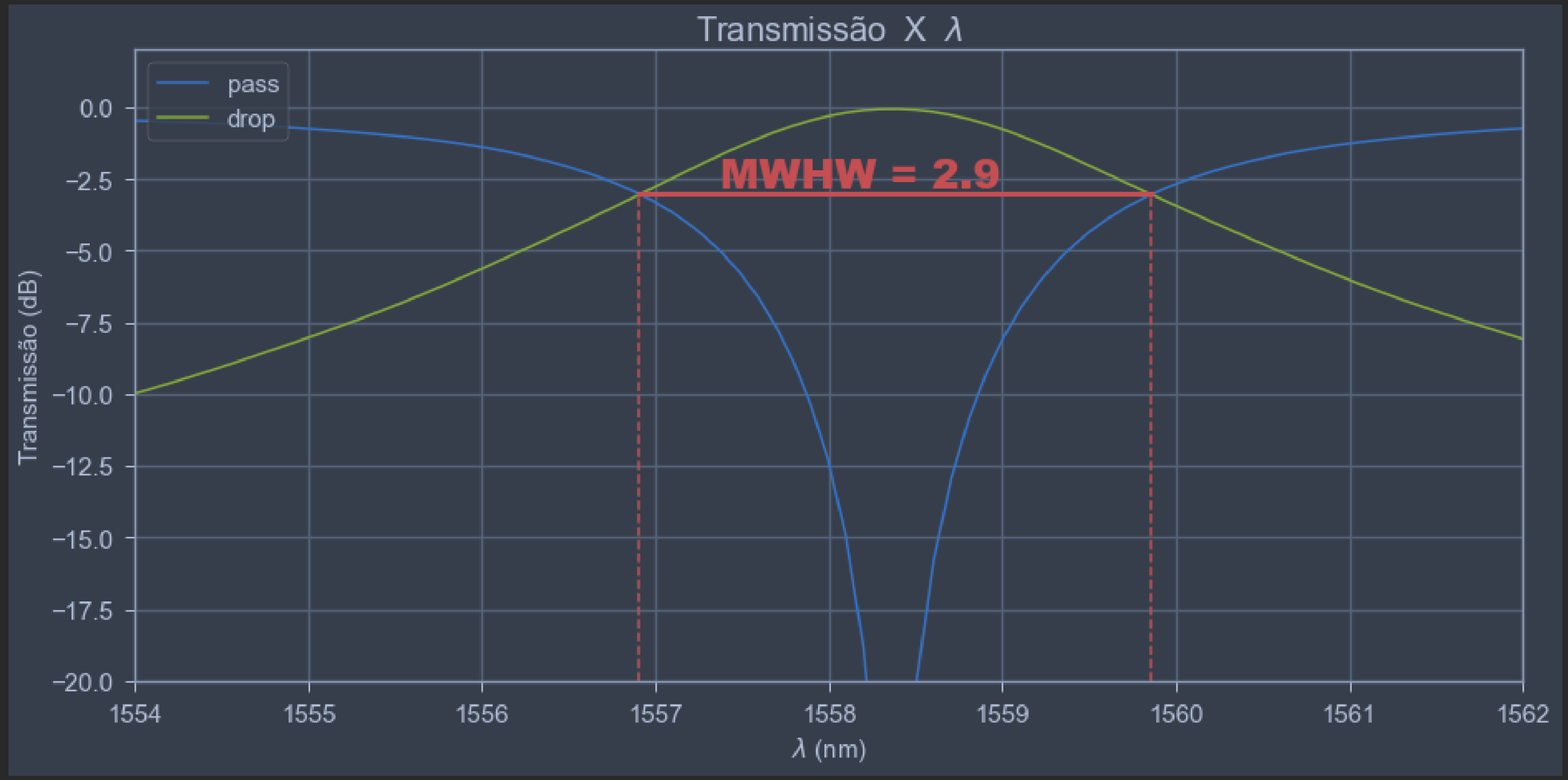

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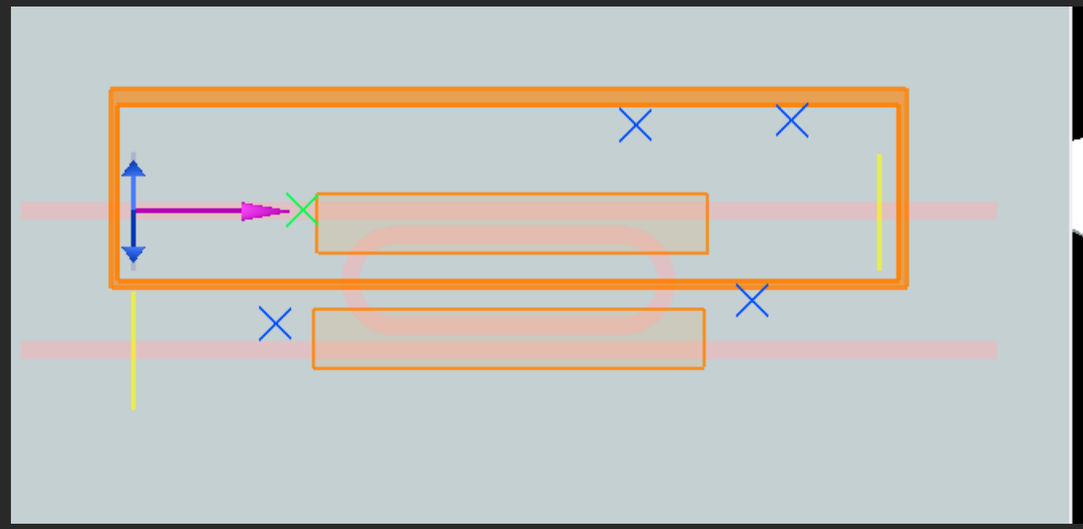
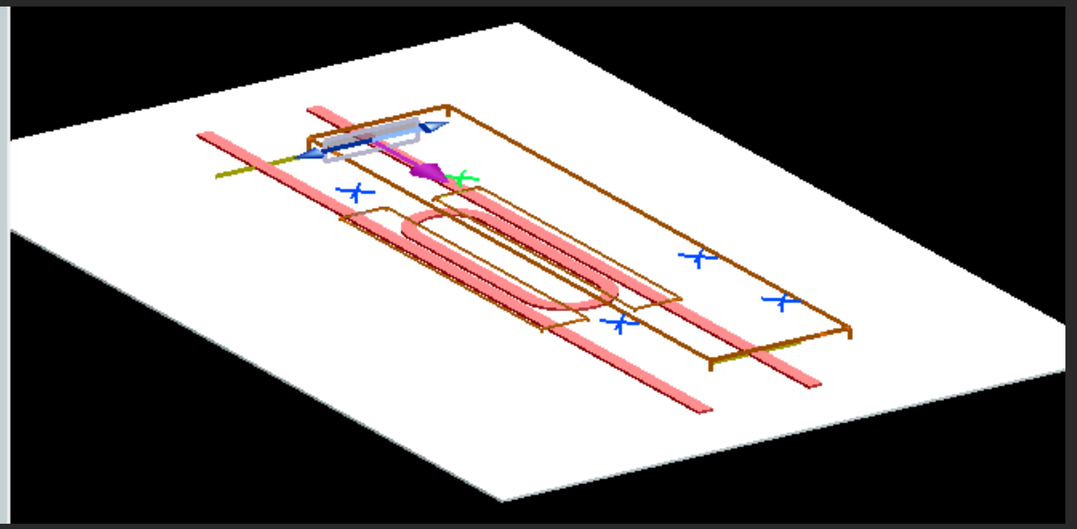
Sweep comprimento de acoplamento





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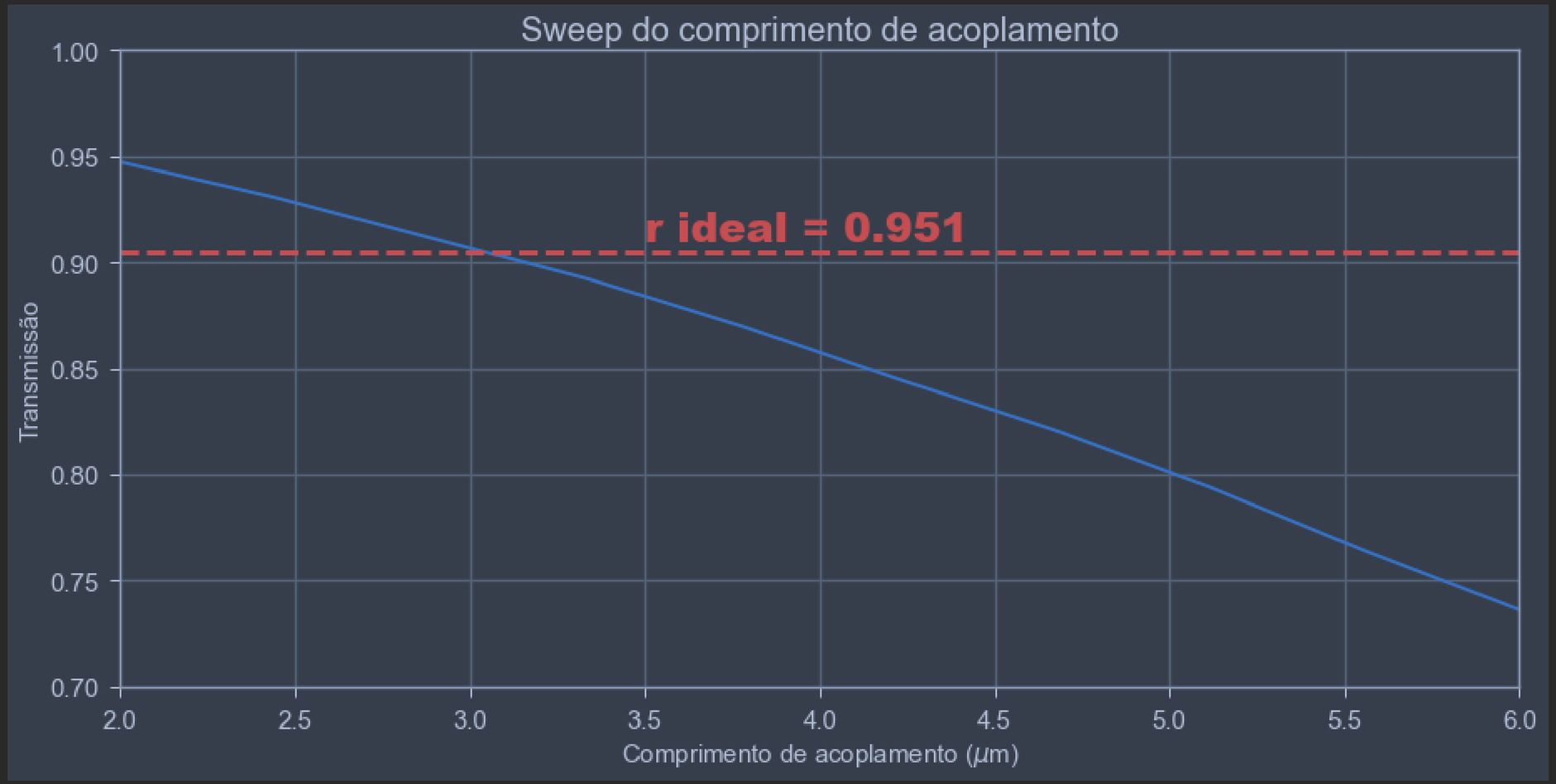

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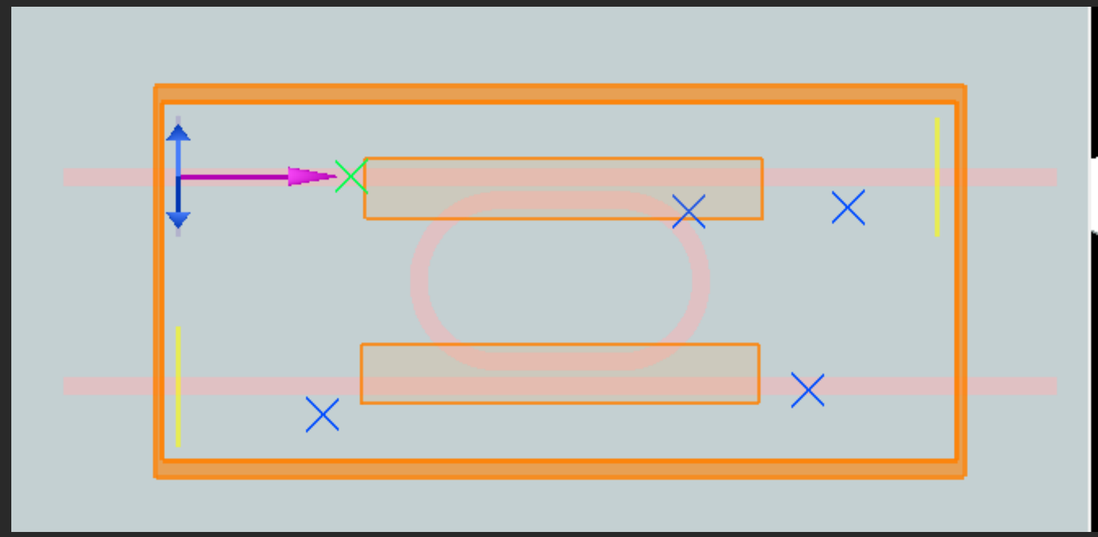
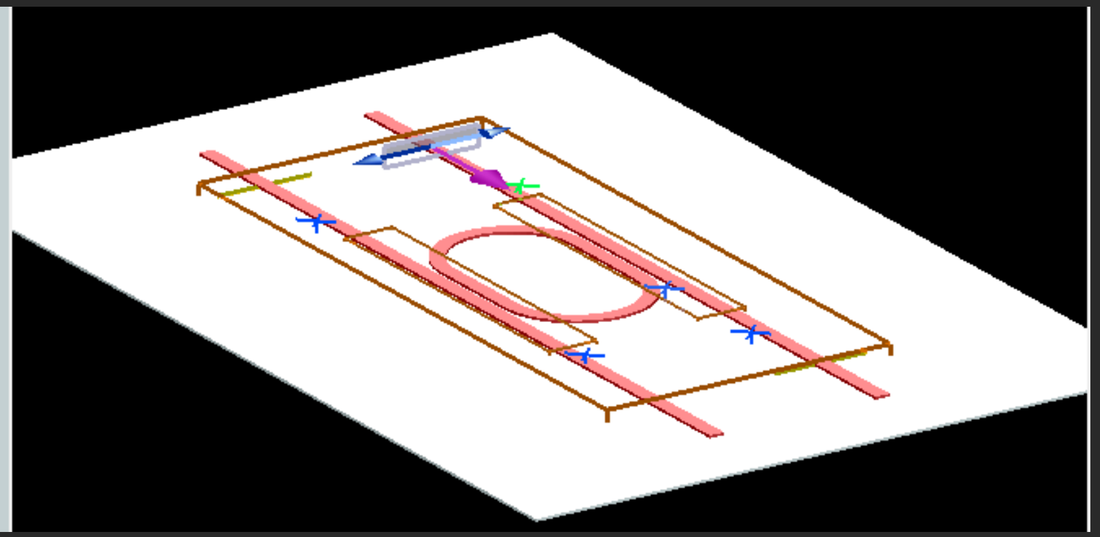
Usando L acoplamento = 3.0.5 um





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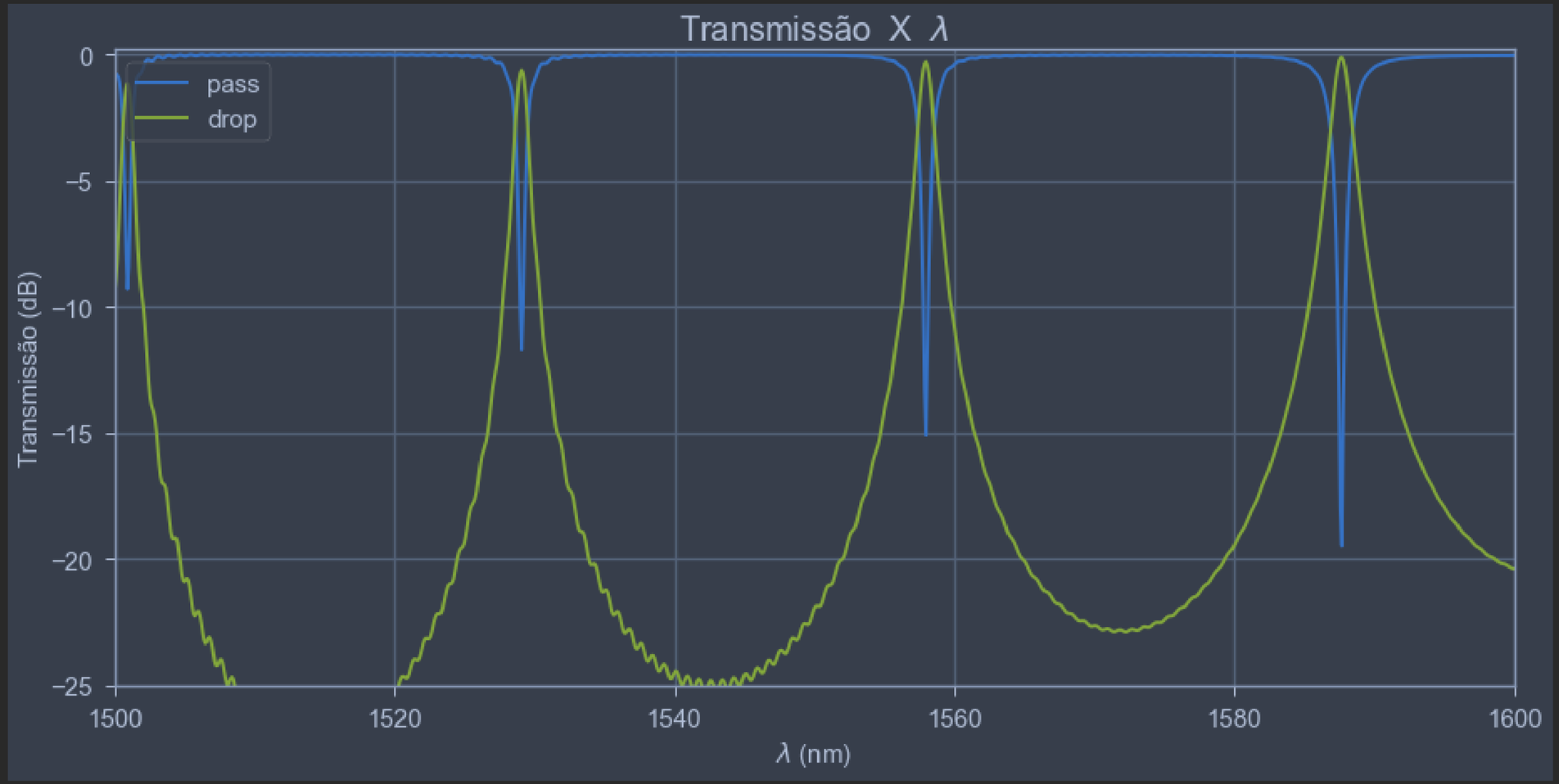

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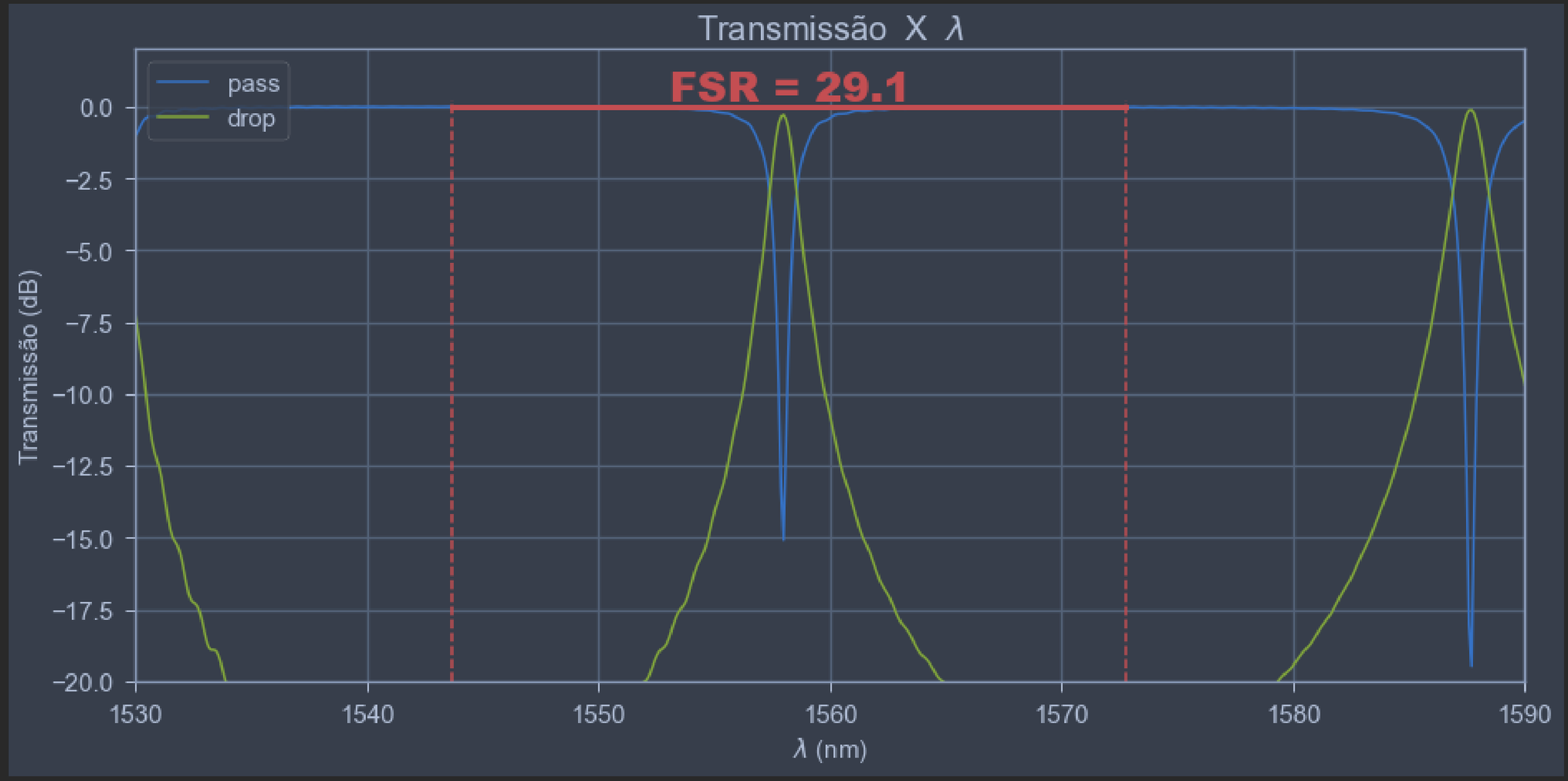

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