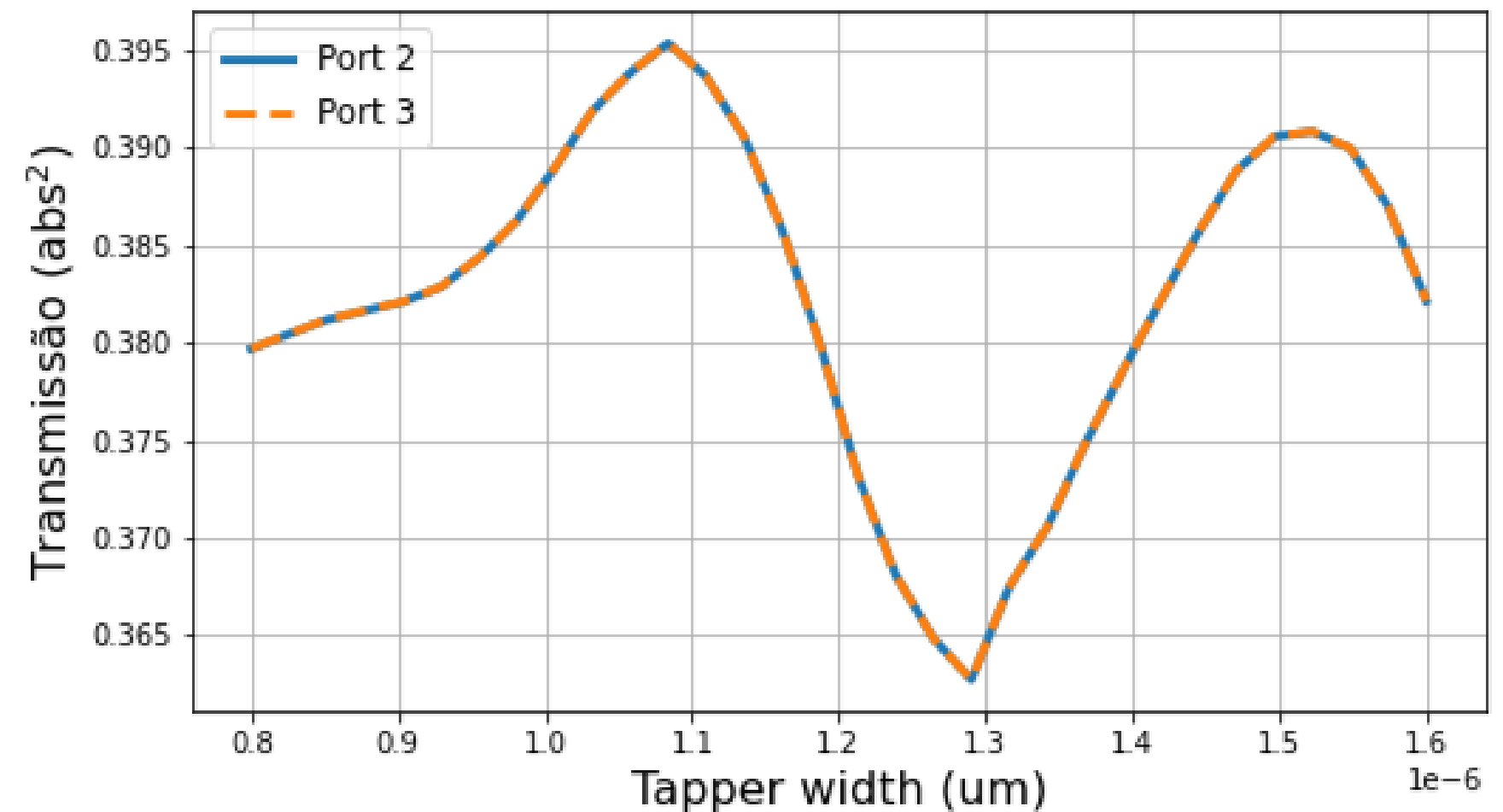
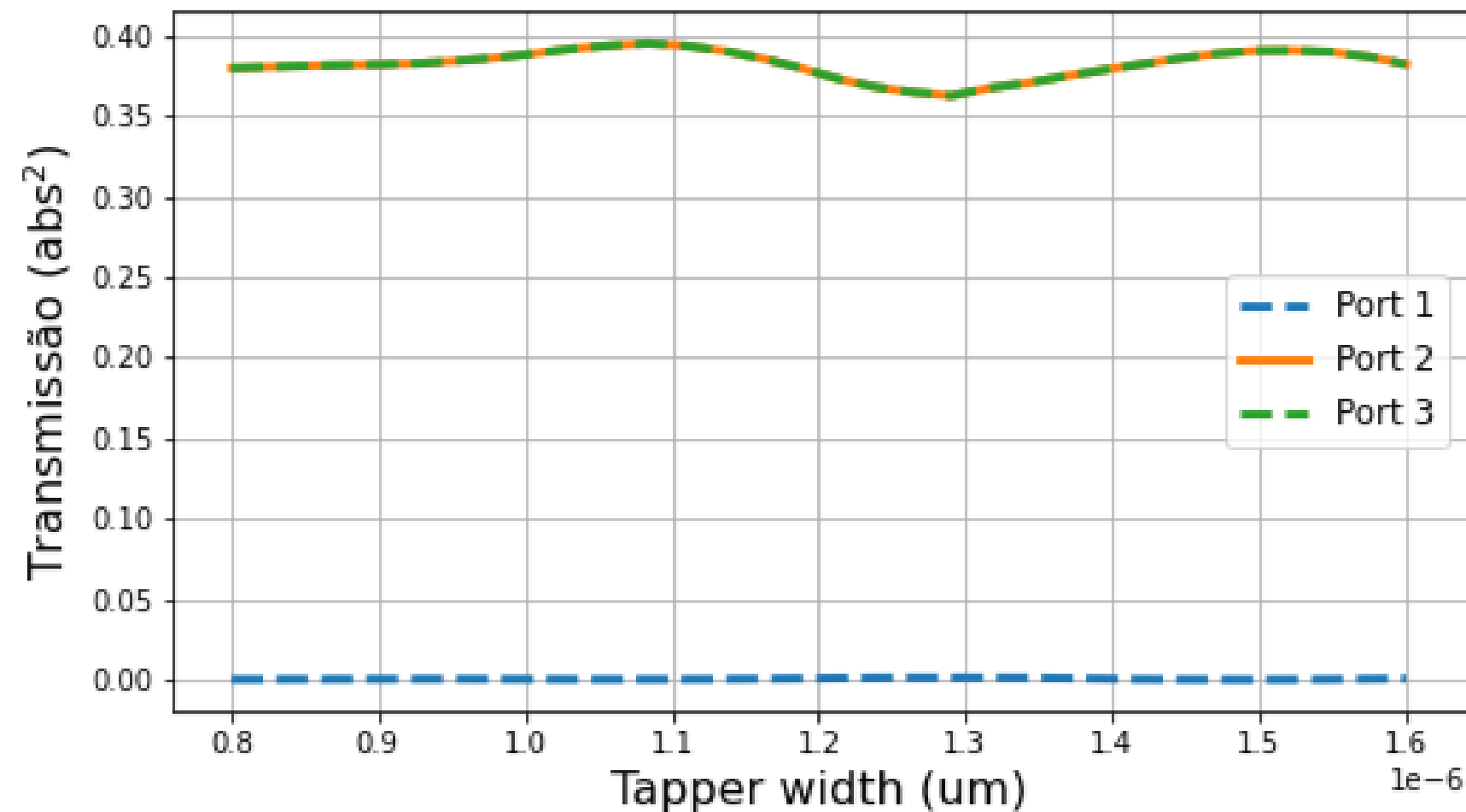


Relatório de atividade

Multimode interference (MMI) coupler 1 x 2 para divisão de
potência em 50/50

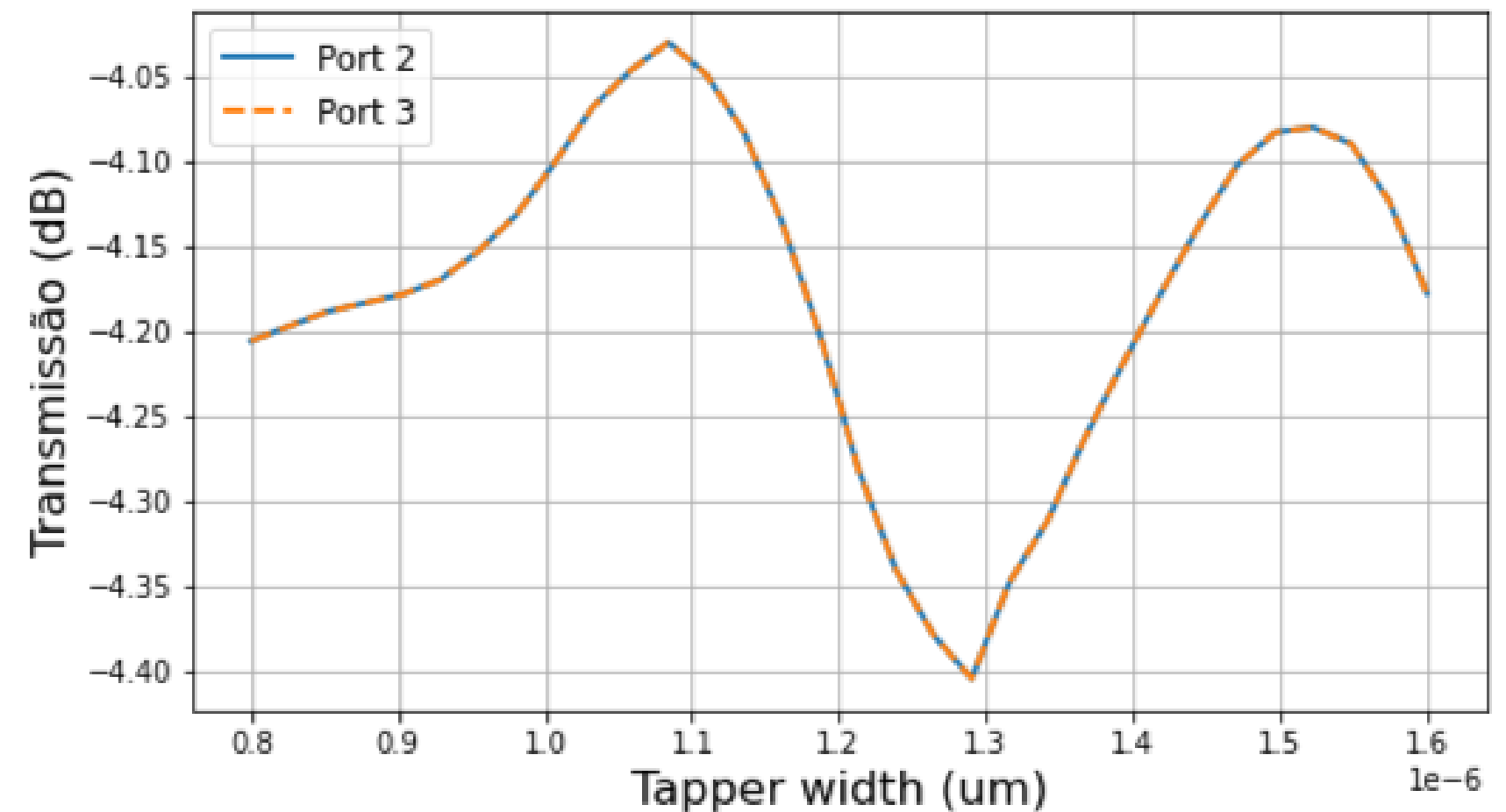
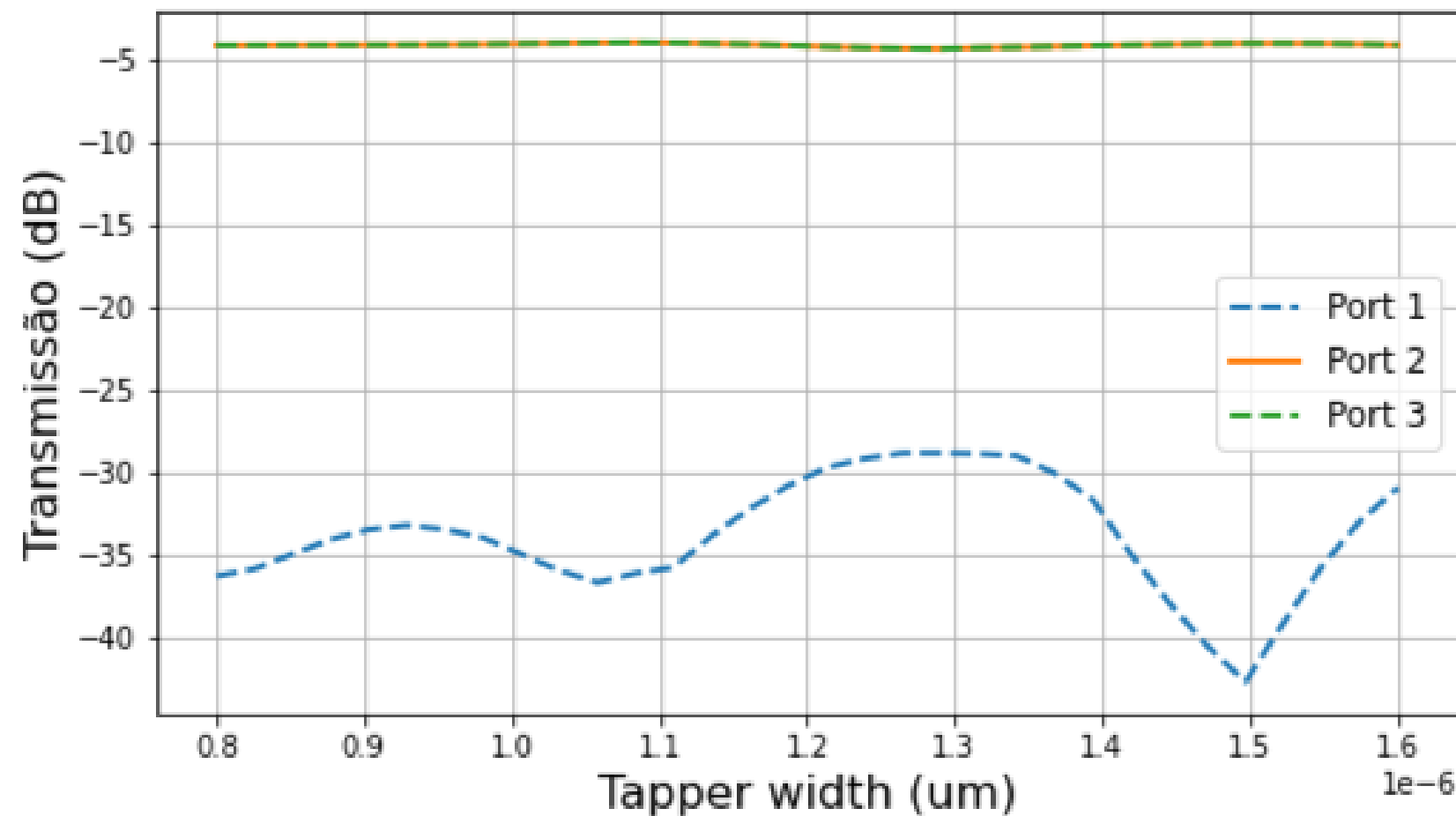
Gerações 3

Terceira geração de simulações



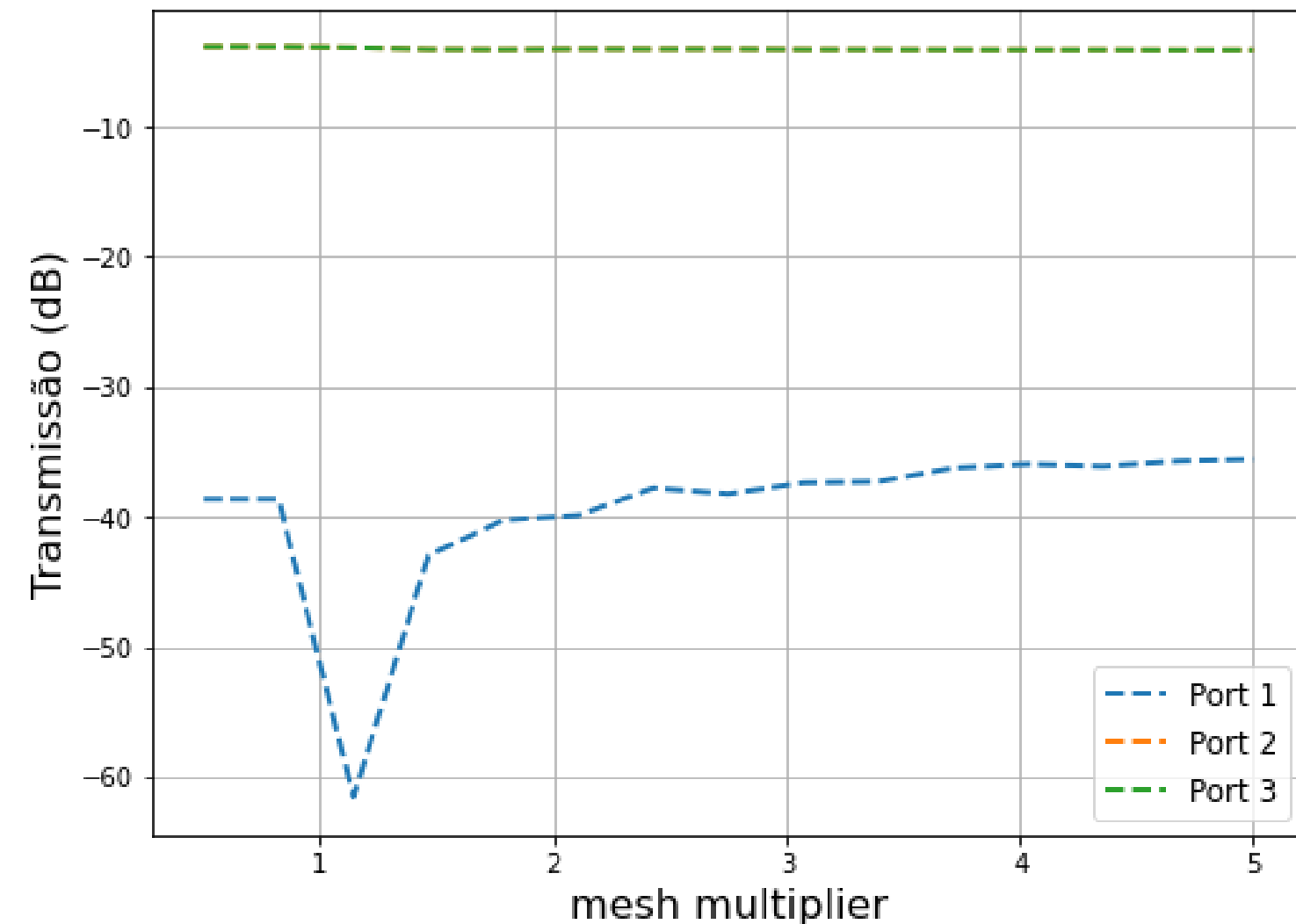
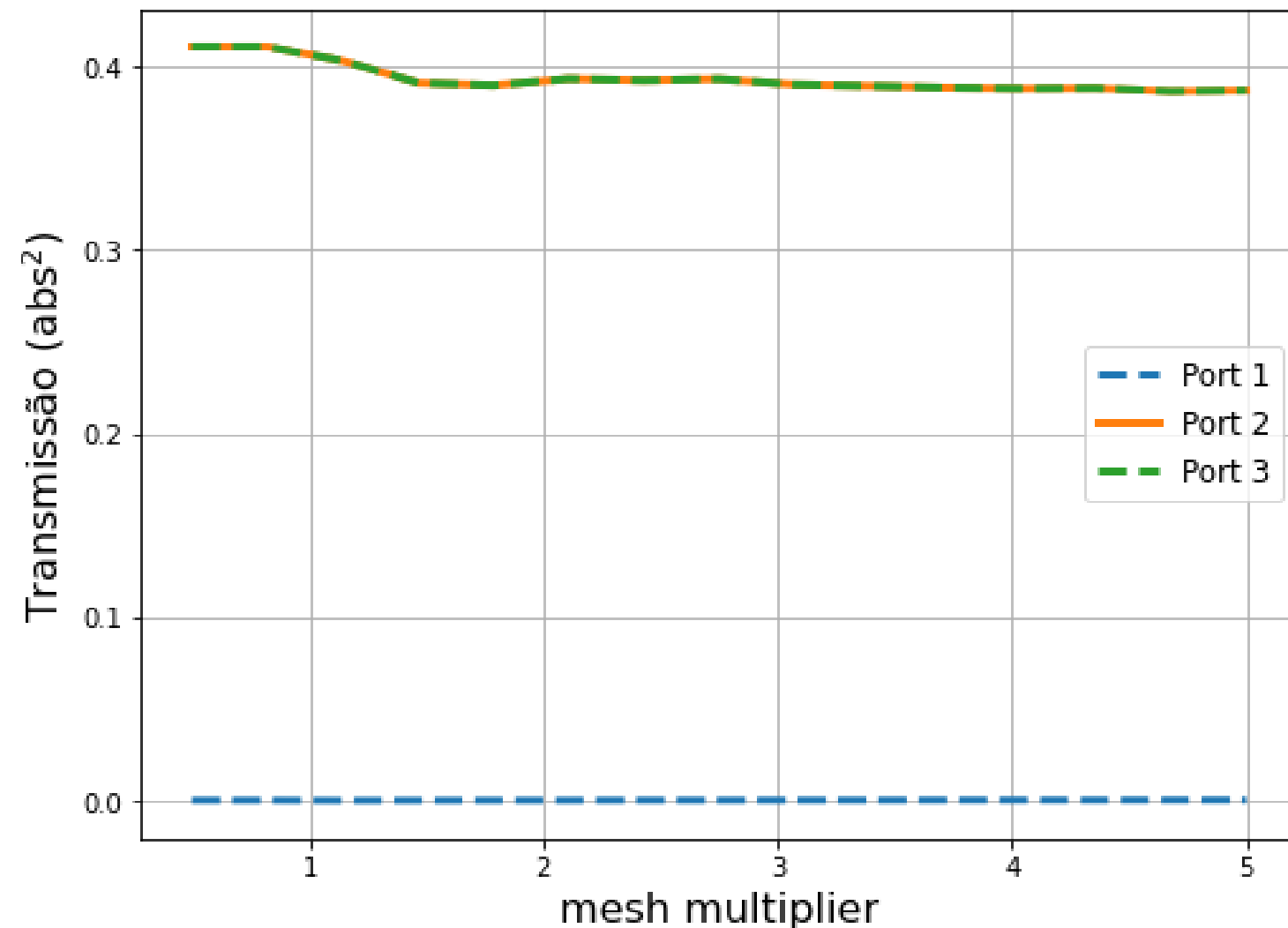
- $\lambda = 1,55 \mu\text{m}$
- Largura do MMI = $6 \mu\text{m}$
- Comprimento = $31.8 \mu\text{m}$
- Mesh total = 400

Terceira geração de simulações



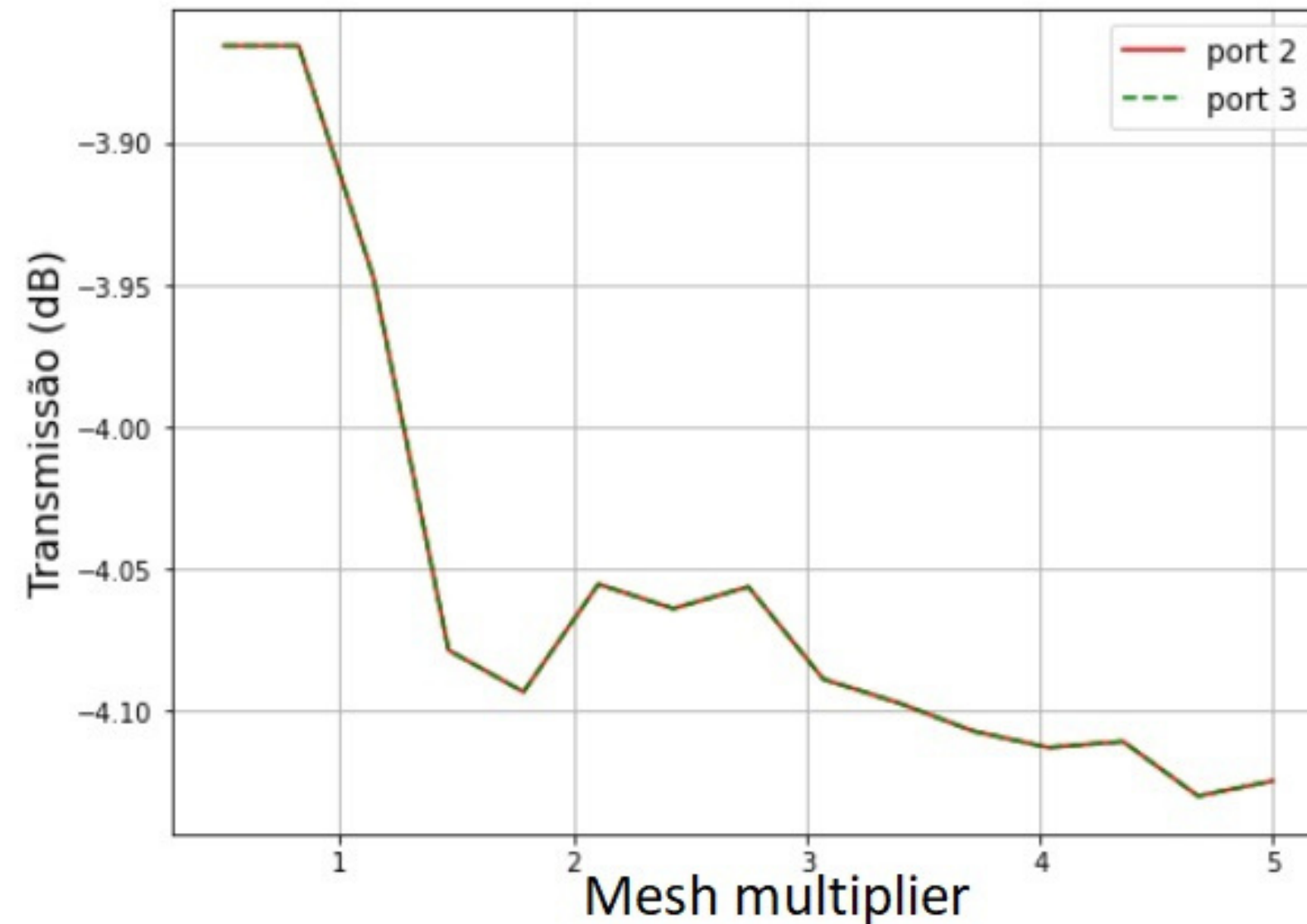
- $\lambda = 1,55 \mu\text{m}$
- Largura do MMI = $6 \mu\text{m}$
- Comprimento = $31.8 \mu\text{m}$
- Mesh total = 400

Terceira geração de simulações



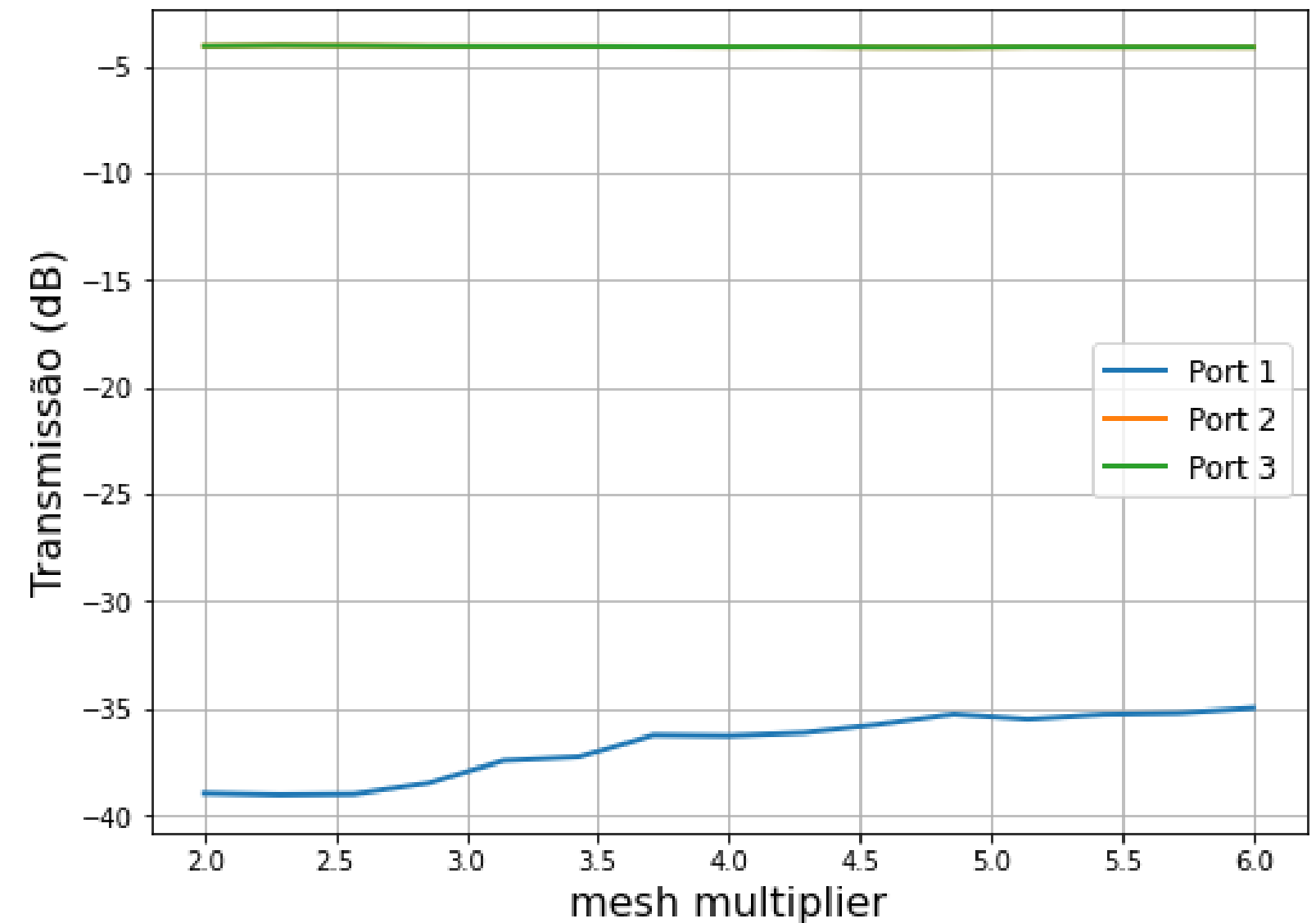
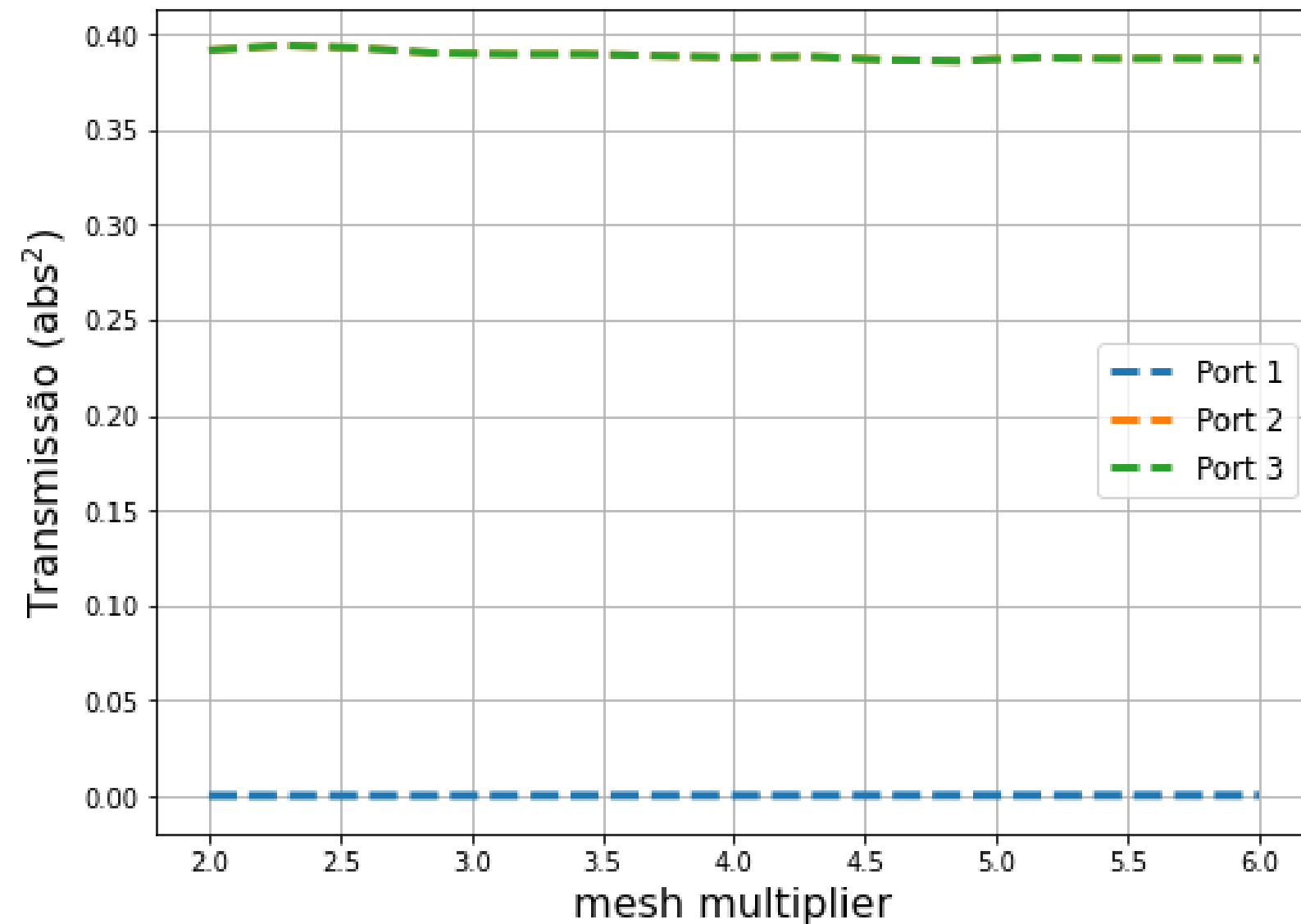
- $\lambda = 1,55\mu\text{m}$
- Largura do MMI = $6\mu\text{m}$
- Comprimento = $31.8\mu\text{m}$
- Largura dos Tappers = $1.1\mu\text{m}$

Terceira geração de simulações



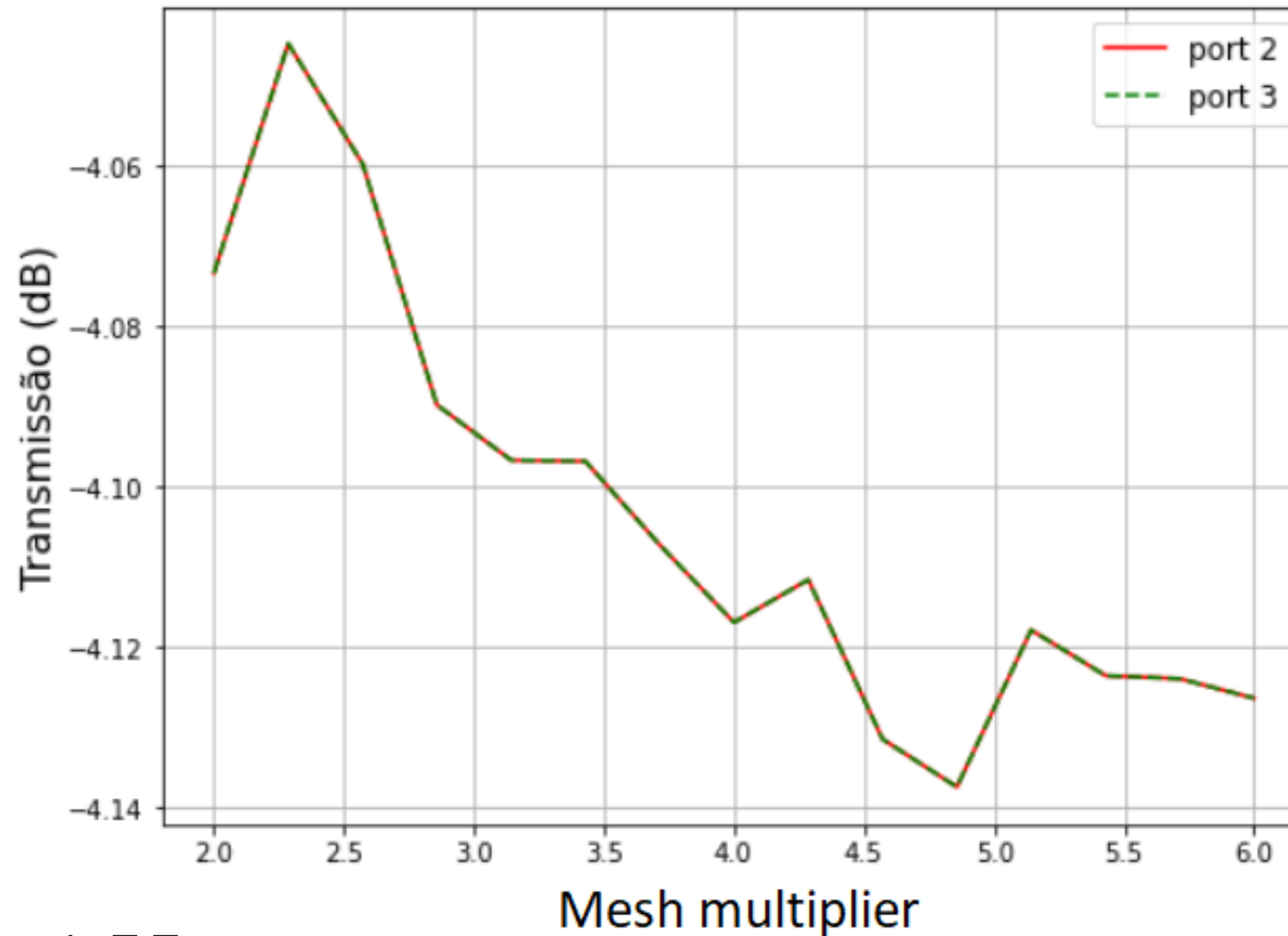
- $\lambda = 1,55\mu\text{m}$
- Largura do MMI = $6\mu\text{m}$
- Comprimento = $31.8\mu\text{m}$
- Largura dos Tappers = $1.1\mu\text{m}$

Terceira geração de simulações



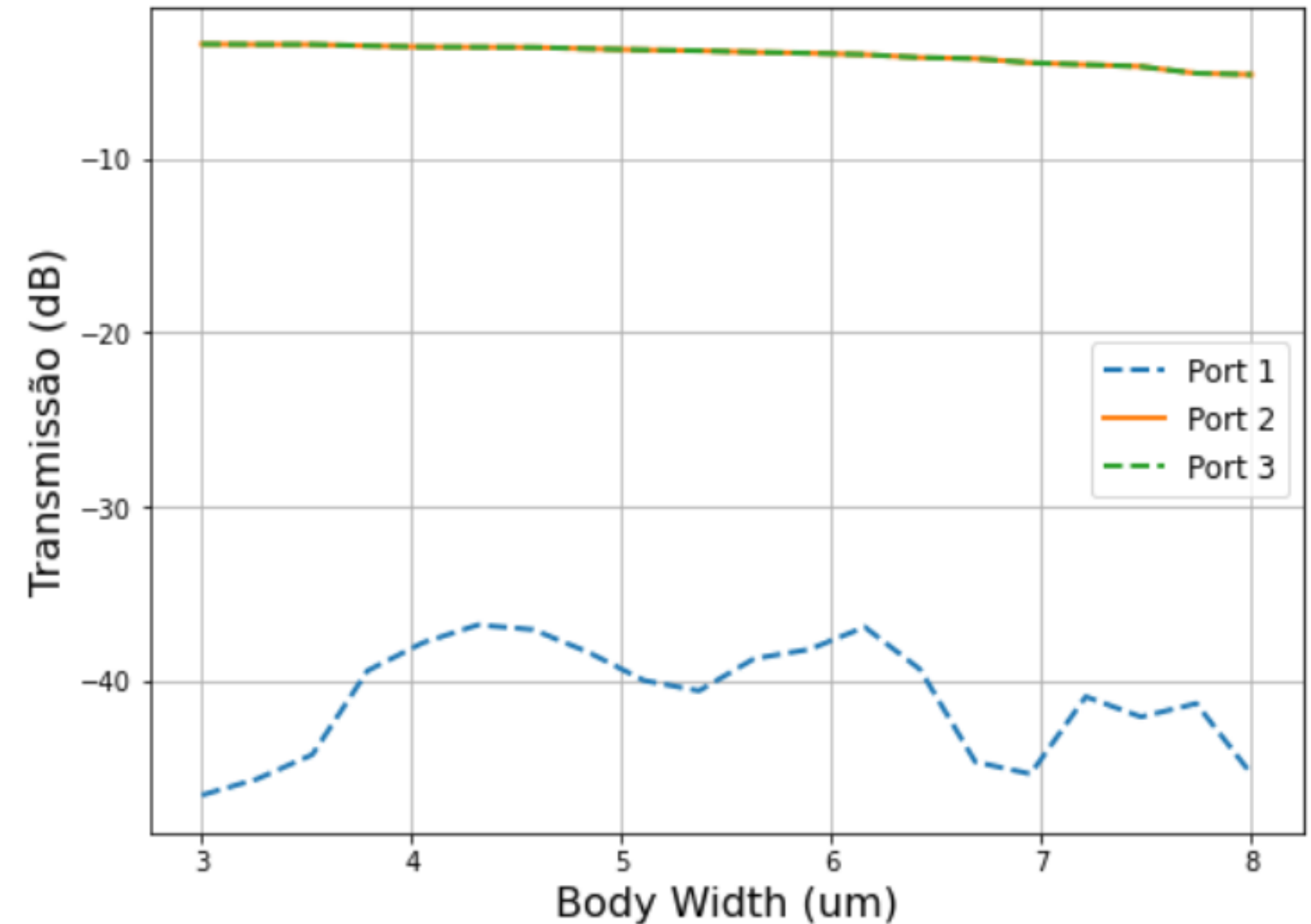
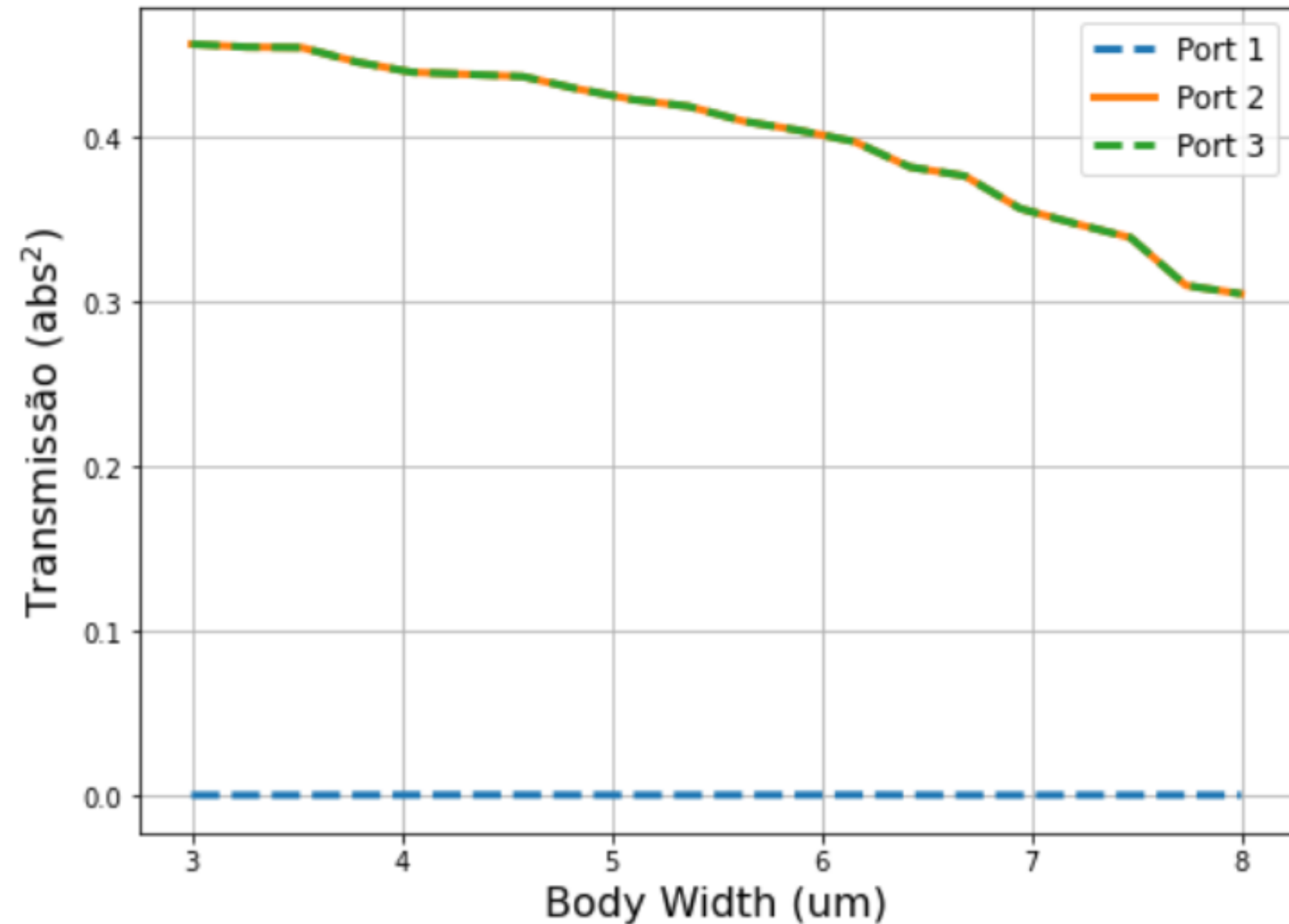
- $\lambda = 1,55\mu\text{m}$
- Largura do MMI = $6\mu\text{m}$
- Comprimento = $31.8\mu\text{m}$
- Largura dos Tappers = $1.1\mu\text{m}$

Terceira geração de simulações



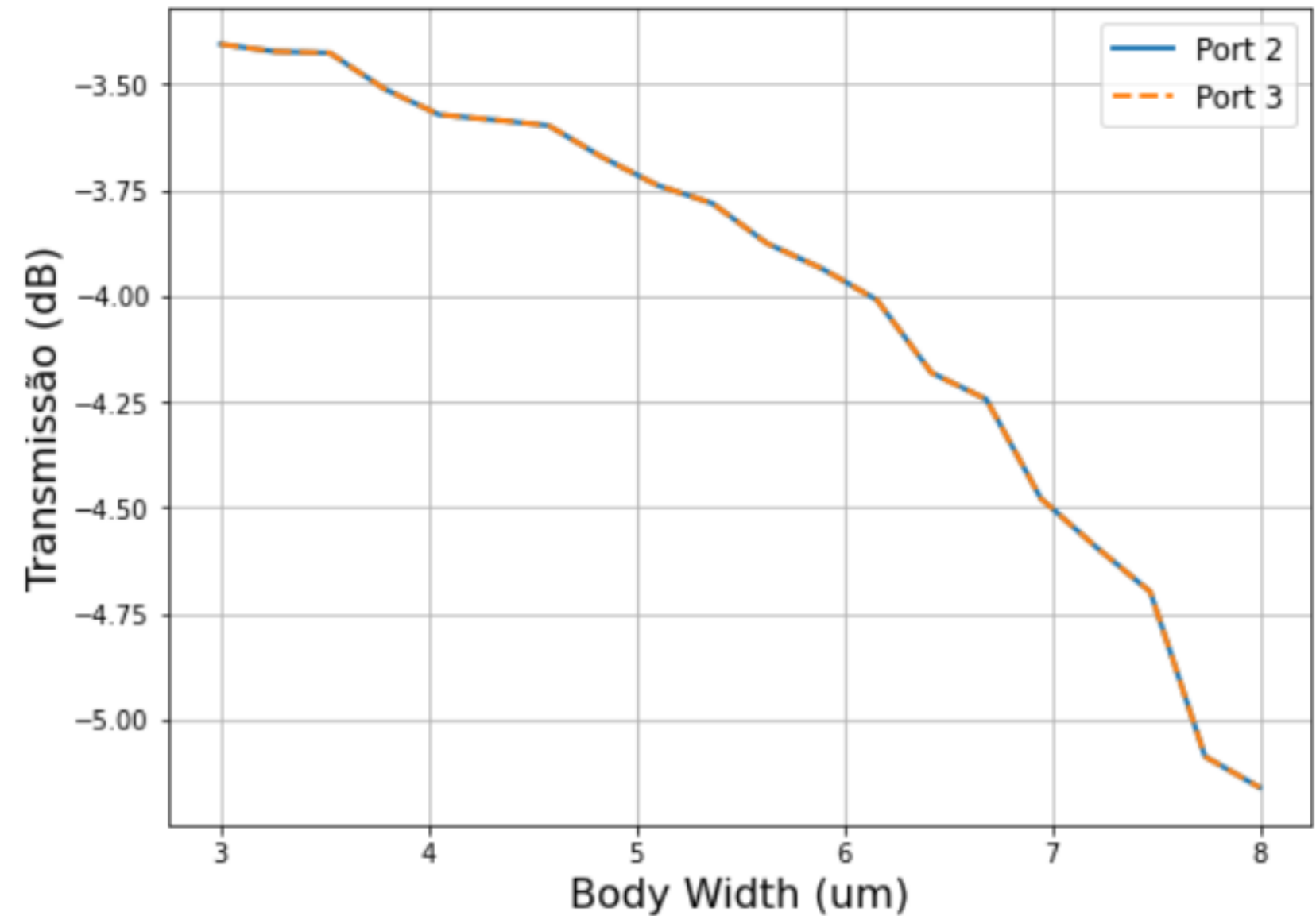
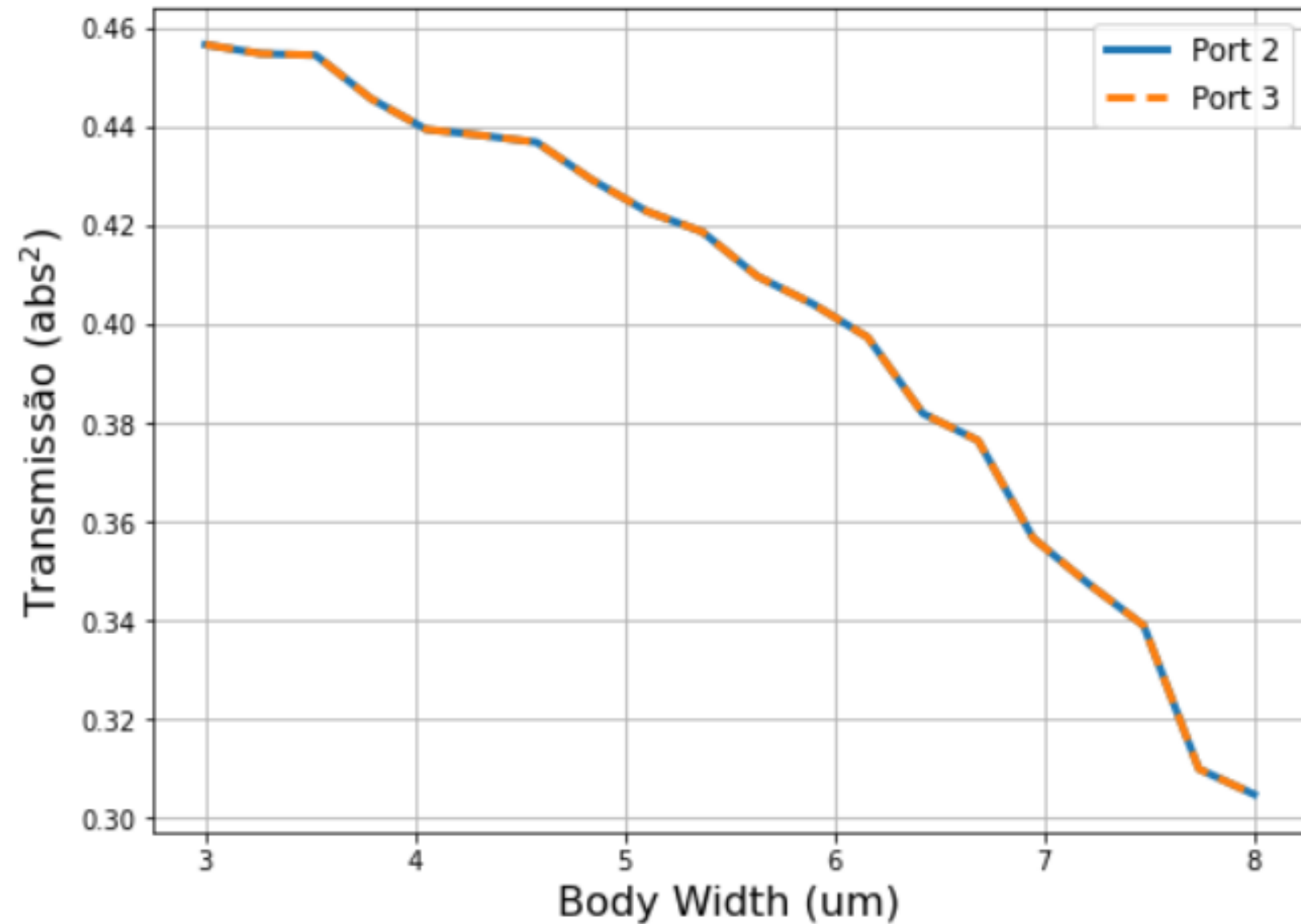
- $\lambda = 1,55\mu\text{m}$
- Largura do MMI = $6\mu\text{m}$
- Comprimento = $31.8\mu\text{m}$
- Largura dos Tappers = $1.1\mu\text{m}$

Terceira geração de simulações



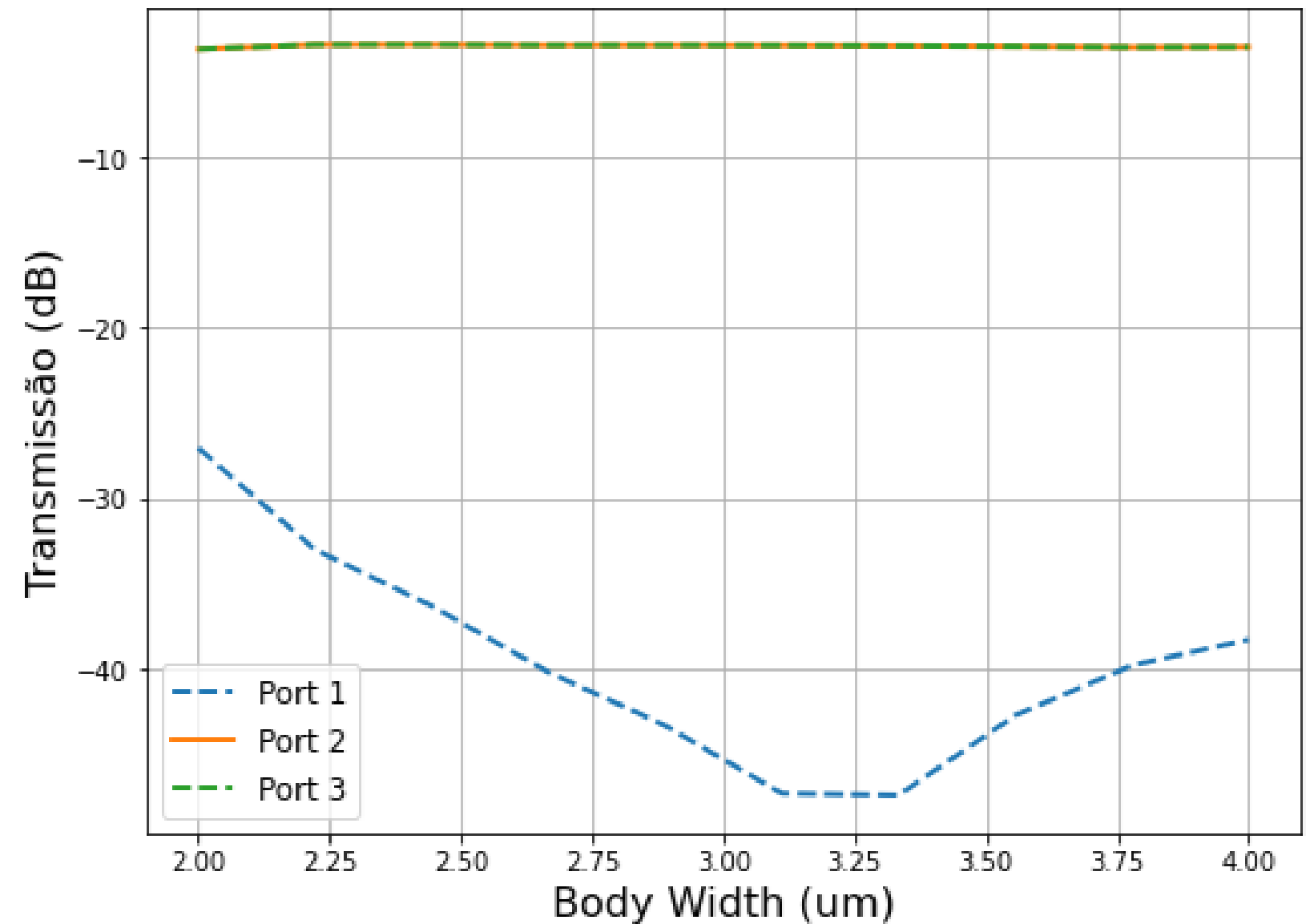
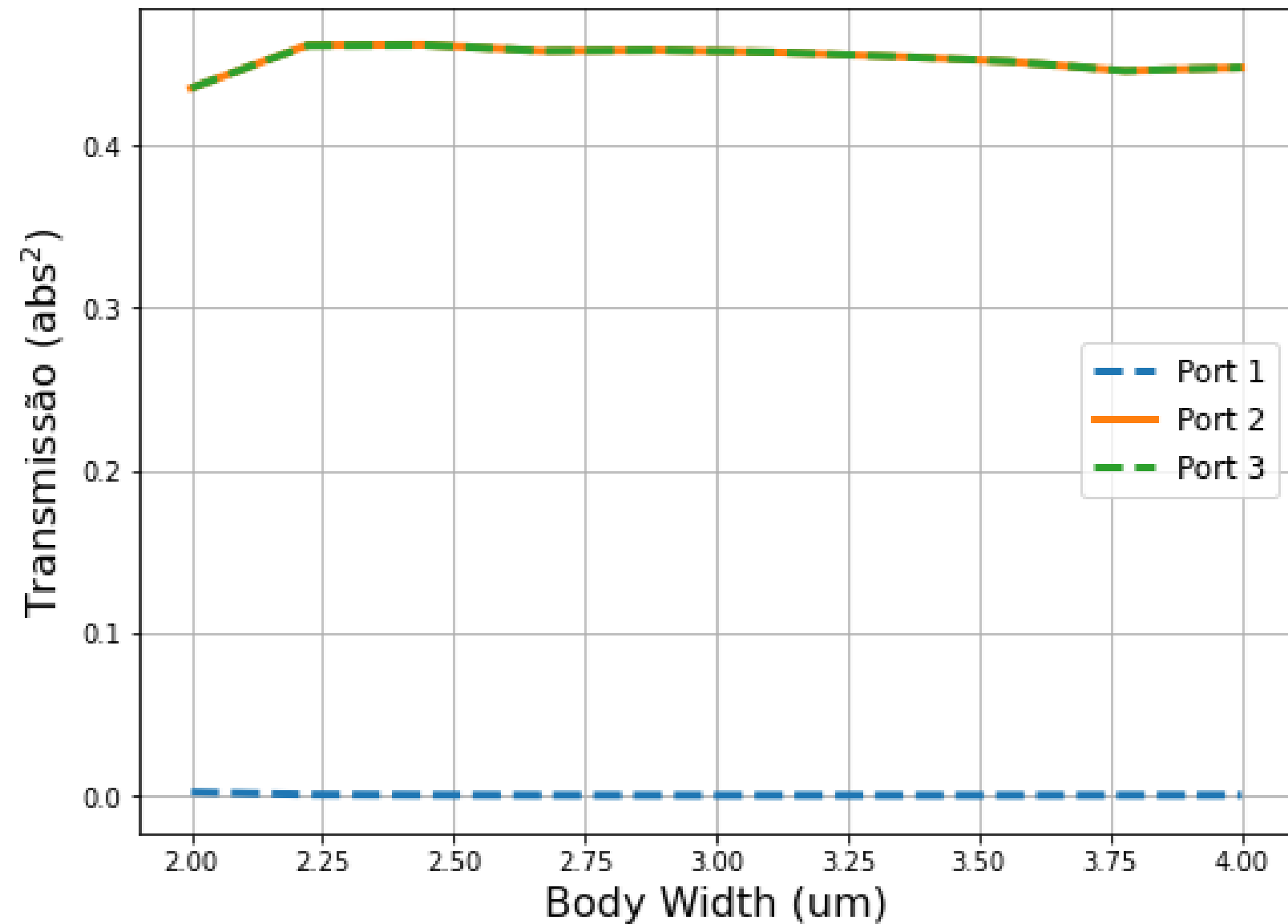
- $\lambda = 1,55\mu\text{m}$
- Mesh total = 400
- Largura dos Tappers = $1.1\mu\text{m}$

Terceira geração de simulações



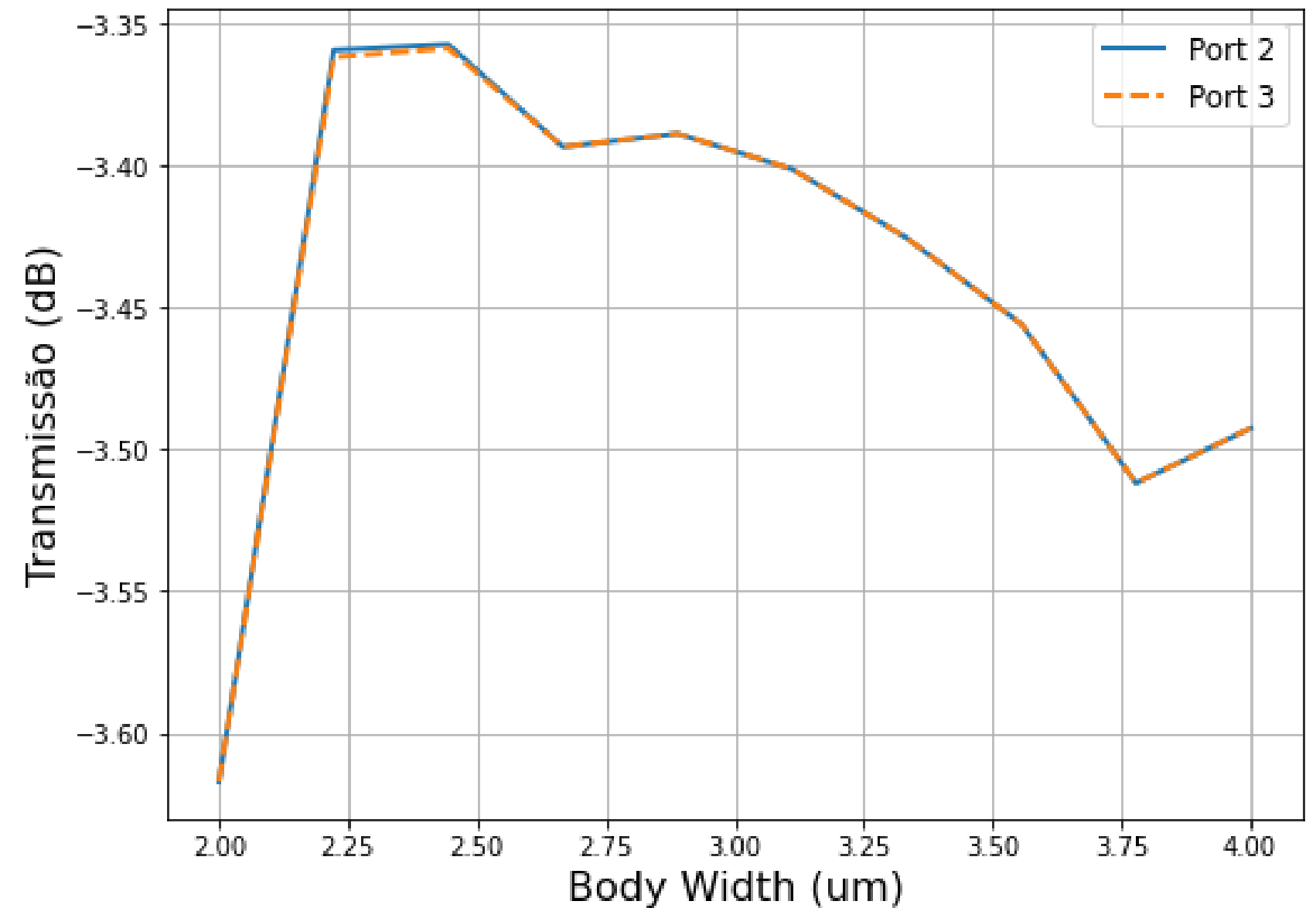
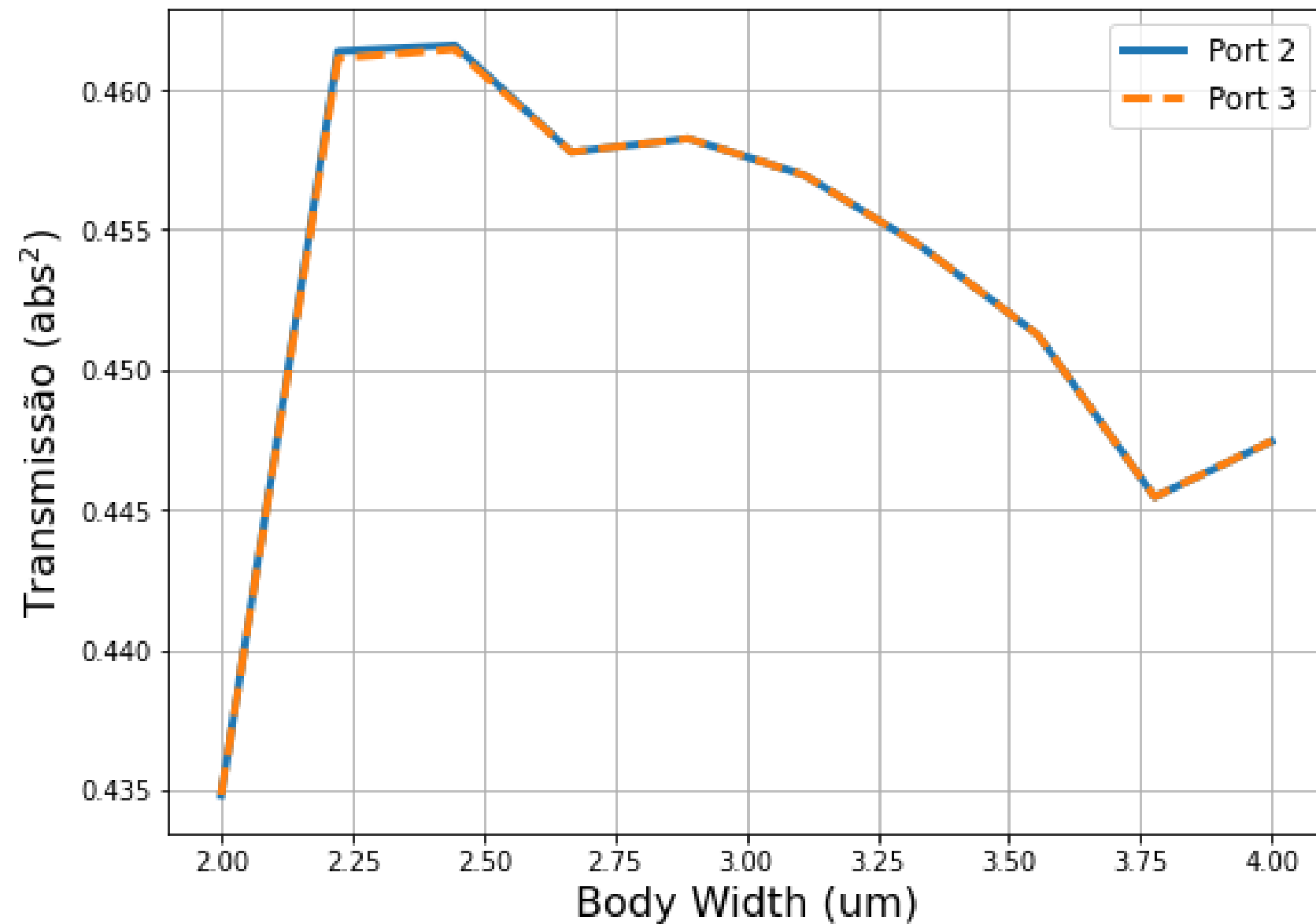
- $\lambda = 1,55\mu\text{m}$
- Mesh total = 400
- Largura dos Tappers = $1.1\mu\text{m}$

Terceira geração de simulações



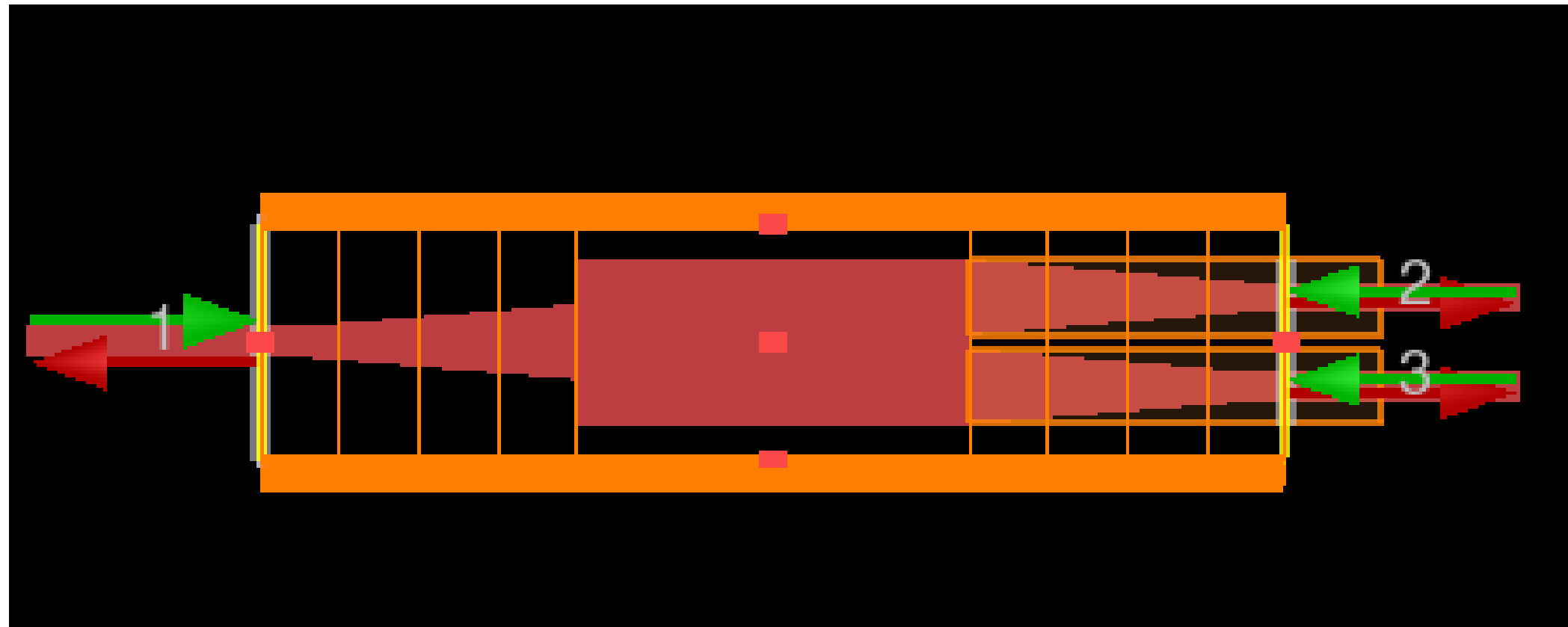
- $\lambda = 1,55\mu\text{m}$
- Mesh total = 400
- Largura dos Tappers = $1.1\mu\text{m}$

Terceira geração de simulações



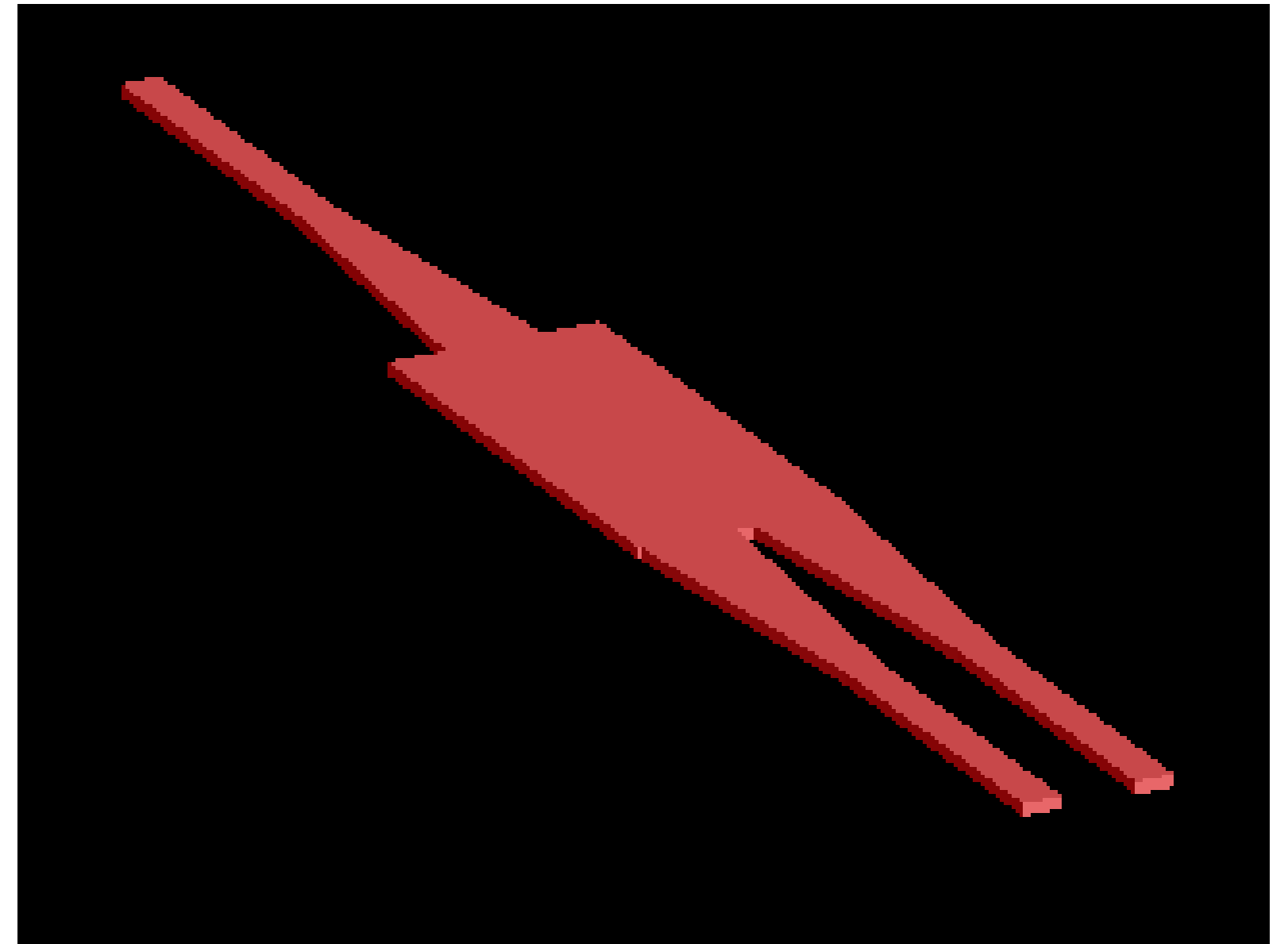
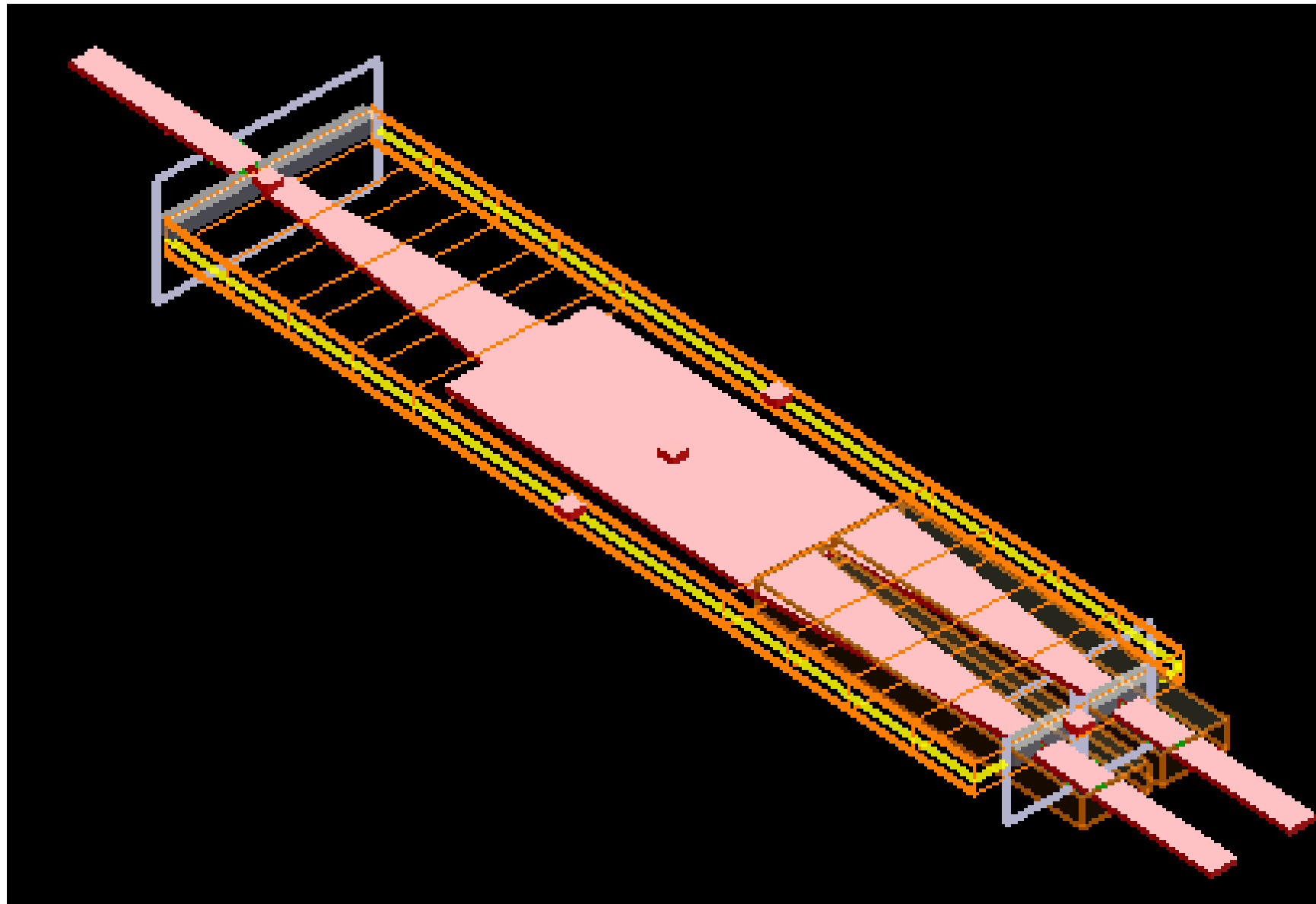
- $\lambda = 1,55 \mu m$
- Mesh total = 400
- Largura dos Tappers = $1.1 \mu m$

Terceira geração de simulações



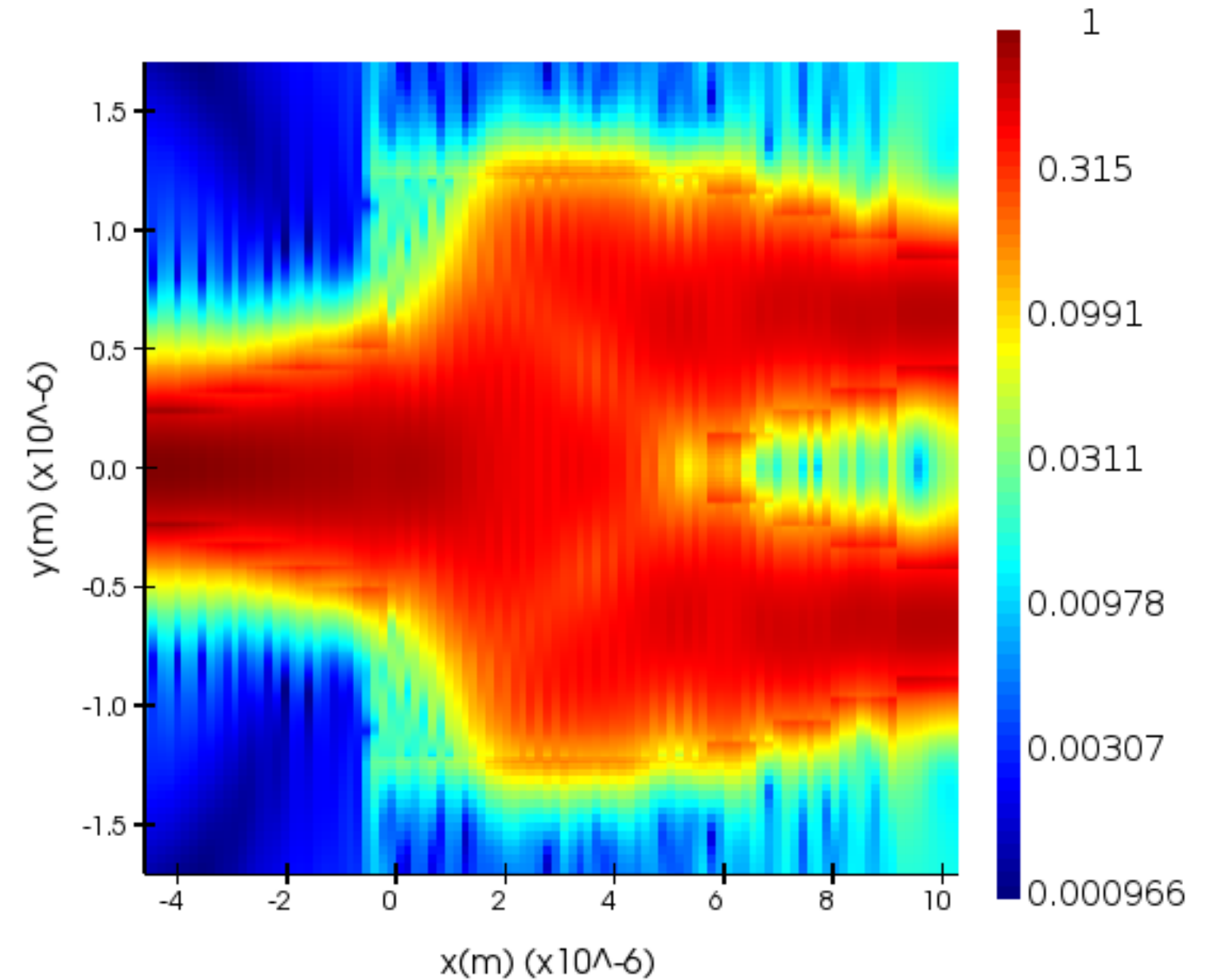
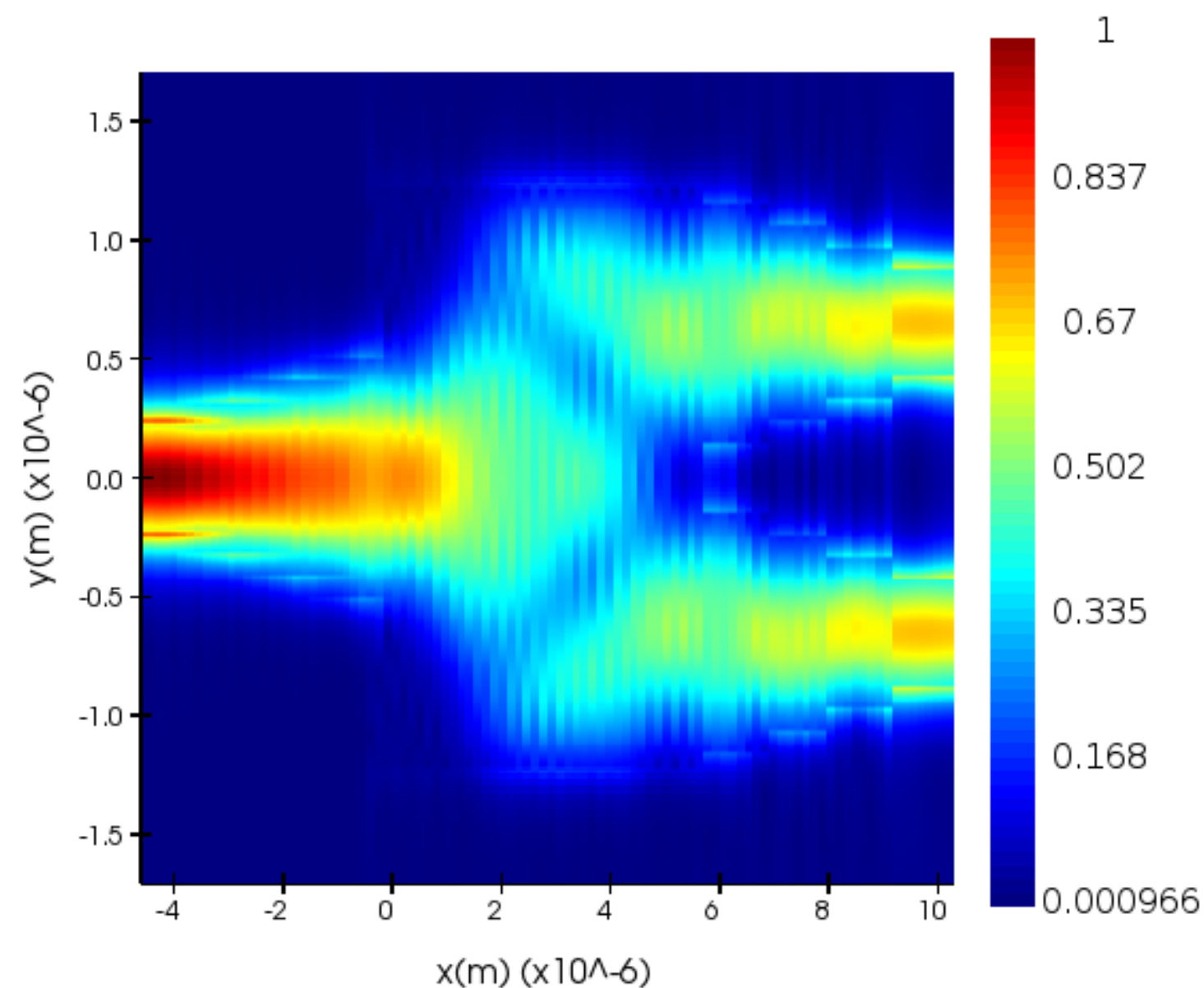
- Largura do MMI = $2.4\mu\text{m}$
- $\lambda = 1,55\mu\text{m}$
- Mesh total = 400
- Largura dos Tappers = $1.1\mu\text{m}$

Terceira geração de simulações



- Largura do MMI = $2.4\mu\text{m}$
- $\lambda = 1,55\mu\text{m}$
- Mesh total = 400
- Largura dos Tappers = $1.1\mu\text{m}$

Terceira geração de simulações



- Largura do MMI = $2.4\mu m$
- $\lambda = 1,55\mu m$
- Mesh total = 400
- Largura dos Tappers = $1.1\mu m$

Terceira geração de simulações

	1	2	3
1	0.000102449	0.472337	0.472337
2	0.468171	7.55346e-05	2.72684e-05
3	0.468171	2.72684e-05	7.55346e-05

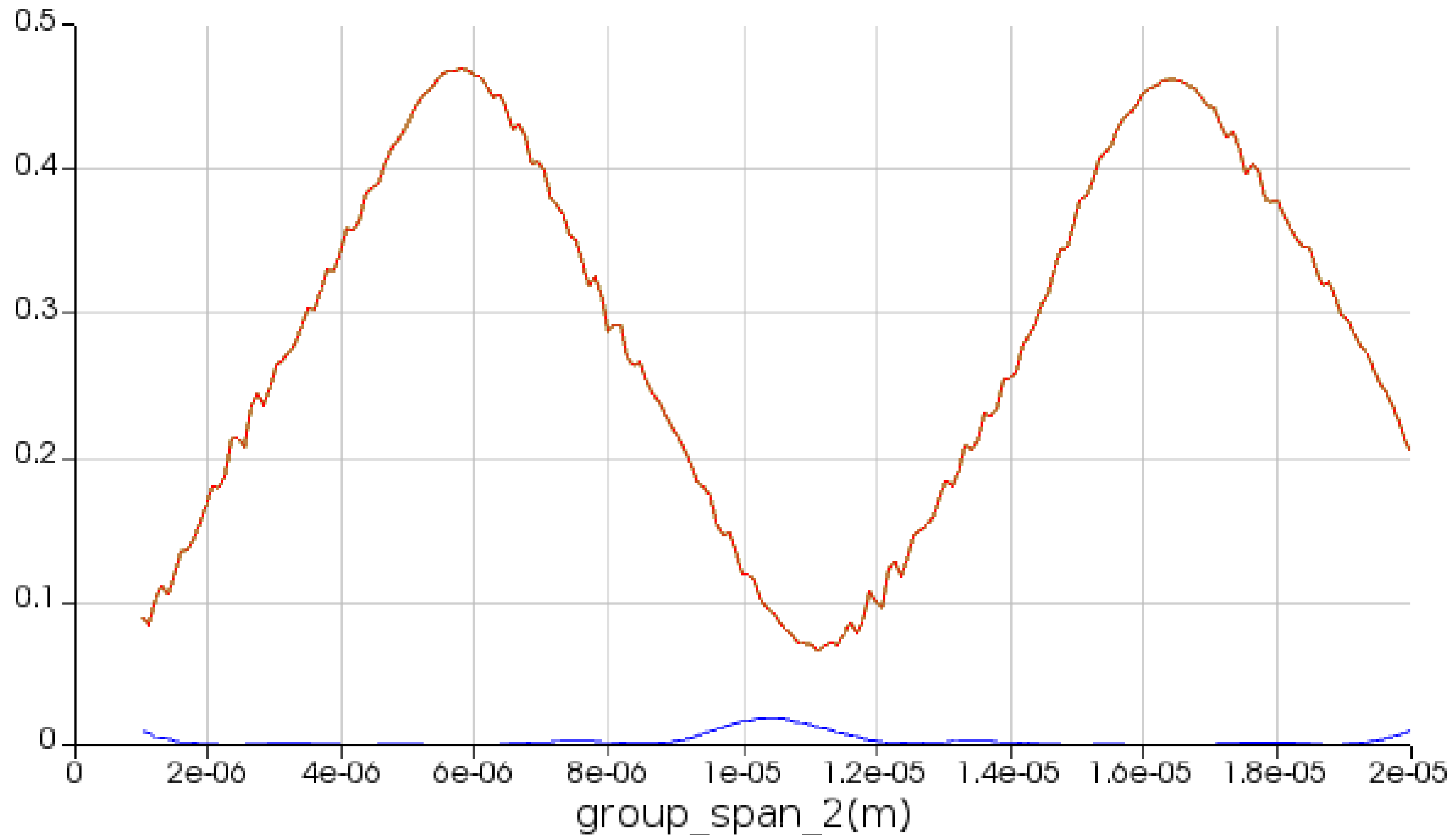
	1	2	3
1	5.11743e-05	0.412162	0.412162
2	0.40489	0.000134174	0.000535217
3	0.40489	0.000535217	0.000134174

Geração 1

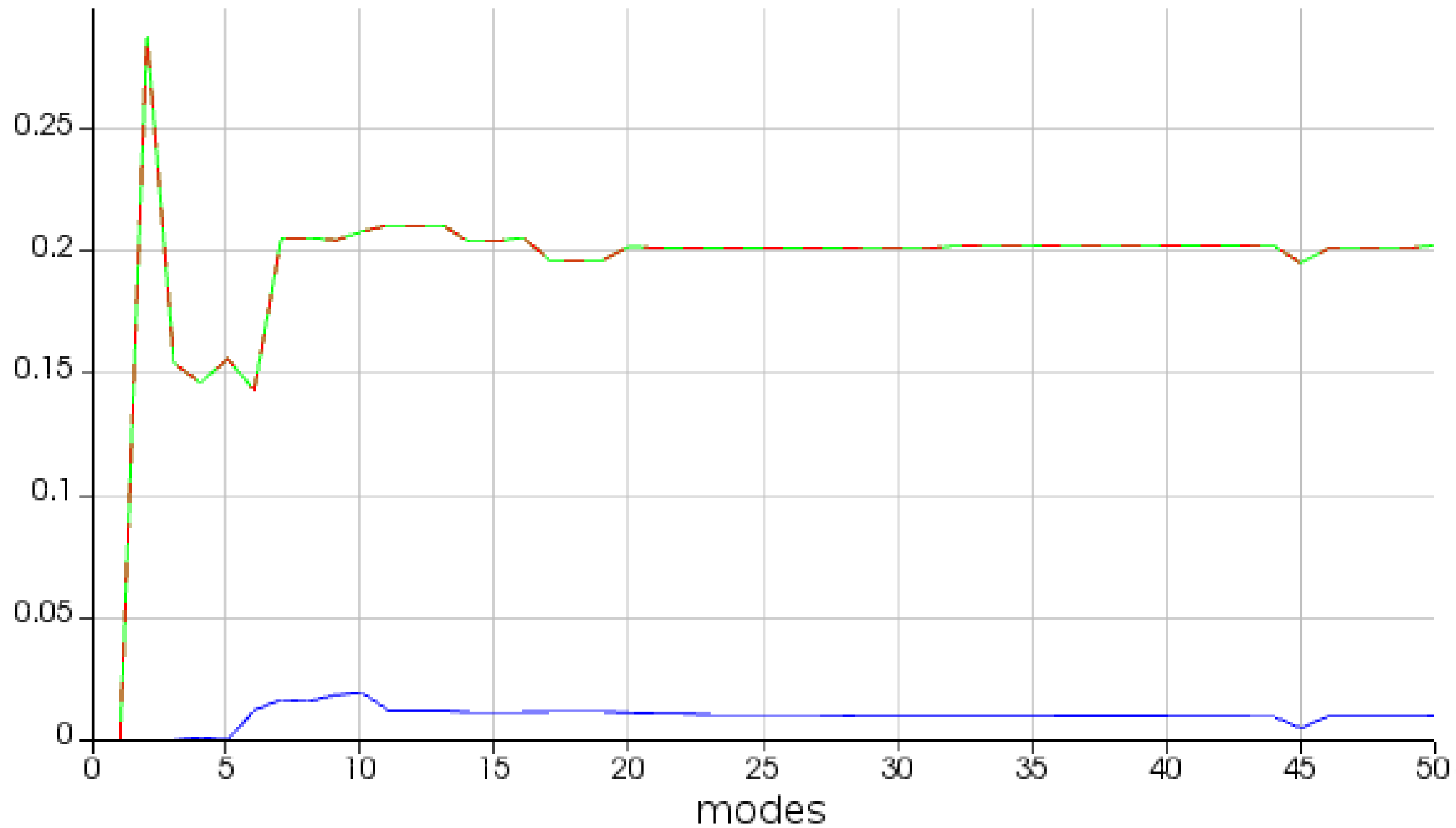
	1	2	3
1	1.12796e-07	0.429404	0.429404
2	0.429735	0.000487448	0.000483599
3	0.429735	0.000483599	0.000487448

Geração 2

Terceira geração de simulações



Terceira geração de simulações



Terceira geração de simulações

