

*** Warning ***

This software is licensed for educational purposes only.

Units settings:

Dimensions: mm
Frequency: GHz
Time: s

Boundary conditions:

YZsymmetry: none
XZsymmetry: none
XYsymmetry: none

Xmin: unit cell
Xmax: unit cell

Ymin: unit cell
Ymax: unit cell

Zmin: electric
Zmax: expanded open

Order settings:

Solver order : 2nd (constant)
Curved elements: up to order 3 (automatic)

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Frequency Domain Solver calculation cycle started

Solver started at: 03:39 AM Saturday, 01. August 2020

Module: Frequency Domain: S-Parameter (Win 64)
Version: 2018.0 Release from 2017-10-26 (change 556462)

Adaptive mesh refinement pass 1

The input reflection seems to be large at 11 GHz, Theta: 0, Phi: 0. The adaptive
mesh refinement at this sample will be stopped. A new mesh adaptation frequency
has been added for the monitor at 10 GHz. More...

Calculation 2 of 2 (Frequency: 10 GHz, Theta: 0, Phi: 0)

Adaptive mesh refinement pass 1

Calculation 3 of 3 (Frequency: 10.5 GHz, Theta: 0, Phi: 0)

Adaptive mesh refinement pass 1

The input reflection seems to be large at 10.5 GHz, Theta: 0, Phi: 0. The adaptive mesh refinement at this sample will be stopped. A new mesh adaptation frequency has been added at 10.75 GHz. More...

Calculation 4 of 4 (Frequency: 10.75 GHz, Theta: 0, Phi: 0)

Adaptive mesh refinement pass 1

The input reflection seems to be large at 10.75 GHz, Theta: 0, Phi: 0. The adaptive mesh refinement at this sample will be stopped. A new mesh adaptation frequency has been added at 10.25 GHz. More...

Calculation 5 of 5 (Frequency: 10.25 GHz, Theta: 0, Phi: 0)

Adaptive mesh refinement pass 1

The input reflection seems to be large at 10.25 GHz, Theta: 0, Phi: 0. The adaptive mesh refinement at this sample will be stopped. The mesh adaptation is performed at 11 GHz again. More...

Adaptive mesh refinement pass 2

*** Warning ***

The input reflection seems to be large at 11 GHz, Theta: 0, Phi: 0. The mesh adaptation sample will not be moved again. Please define a suitable constant adaptation frequency. More...

Adaptive mesh refinement pass 3

Delta calculation

Mesh adaptation terminated because the desired accuracy limit is reached.

Calculation 3 (Frequency: 10.5 GHz, Theta: 0, Phi: 0)

Calculation 4 (Frequency: 10.75 GHz, Theta: 0, Phi: 0)

Calculation 5 (Frequency: 10.25 GHz, Theta: 0, Phi: 0)

Calculation 2 (Frequency: 10 GHz, Theta: 0, Phi: 0)

Calculating additional frequency samples due to field monitors, equidistant
sampling interval, or single frequency sample definitions.

Calculation 6 (Frequency: 10.389 GHz, Theta: 0, Phi: 0)

Only few automatic samples have been calculated up to now. Therefore, the
frequency sweep is continued with additional automatically chosen samples.

Calculation 7 (Frequency: 10.073 GHz, Theta: 0, Phi: 0)

Calculation 8 (Frequency: 10.907 GHz, Theta: 0, Phi: 0)

 Finished the general purpose interpolative broadband frequency sweep:
 All broadband sweep convergence criteria have been satisfied after
 calculating 8 frequency samples:

Broadband sweep error threshold value :
 0.01 (All S-Parameters)
 Number of error criterion checks :
 2 (All S-Parameters)
 Minimum number of samples : 3

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 Calculating remaining monitors.

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	Peak memory used (kB)	Free physical memory (kB)	
)		At begin	Minimum

Solver start	15904	4388364	4388020
Eq. system setup	379472	4344984	4063516
Eq. system solve	379472	4313424	4028708
Mesh refinement	343052	4111800	4098376
Solver run total	379472	4388372	4028708

Computer name DESKTOP-VEQU8DL

