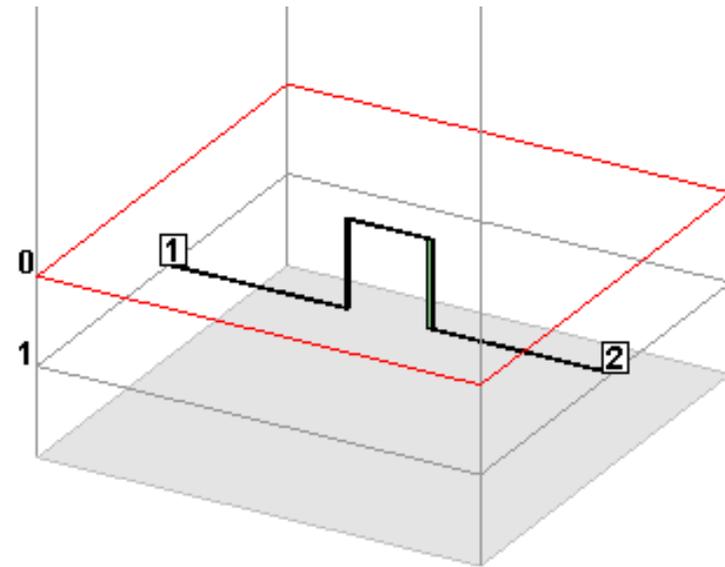
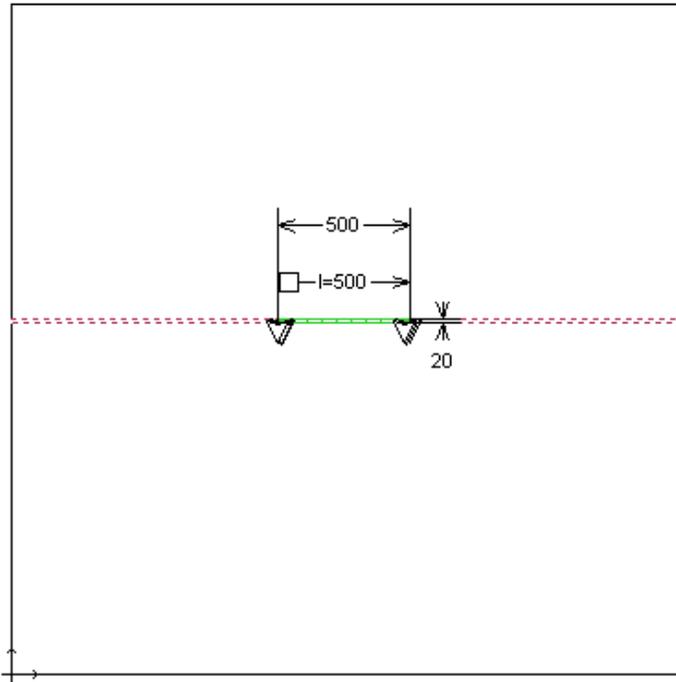


# Sonnet

## Bond Wire Simulation

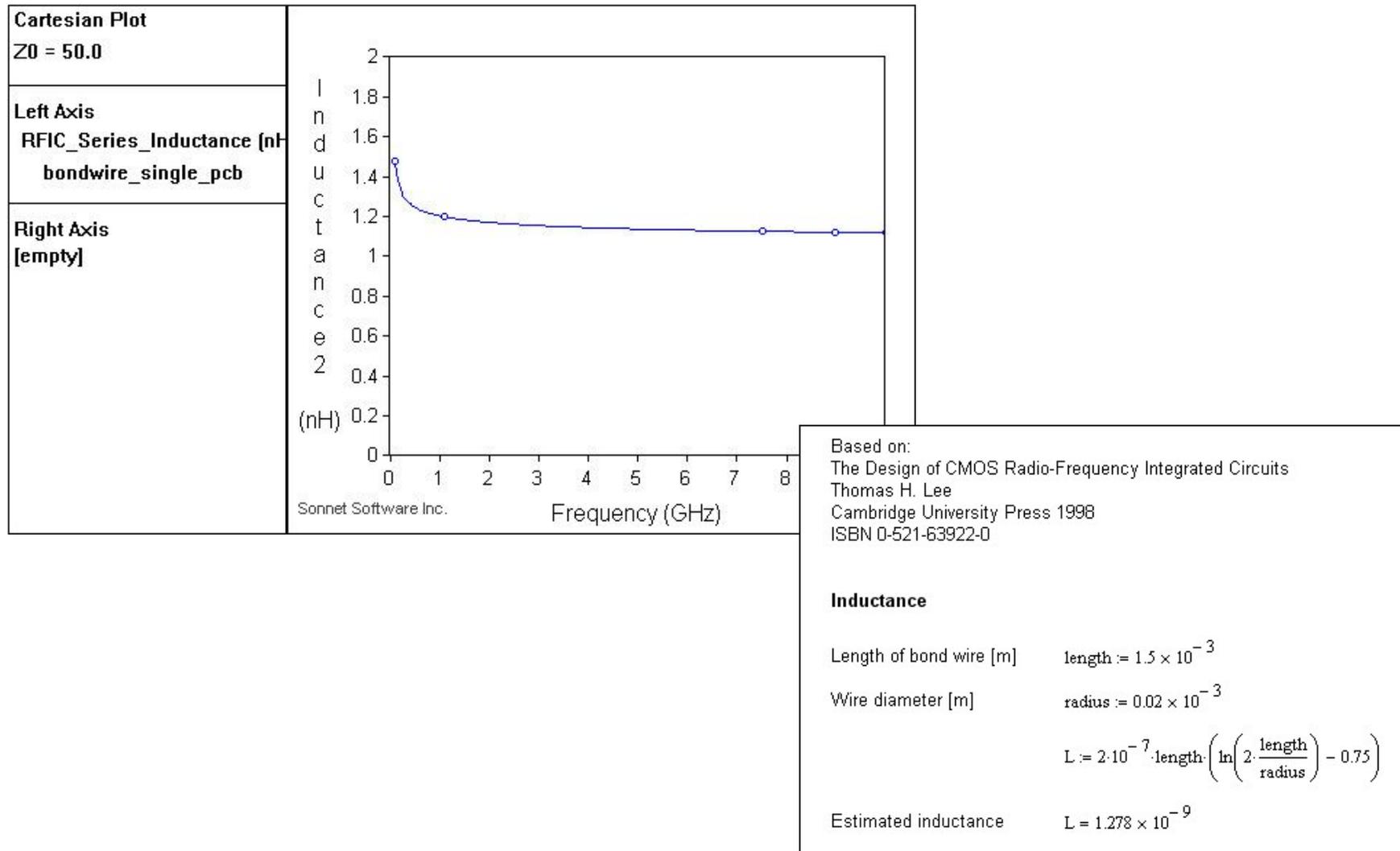
Volker Mühlhaus  
volker@muehlhaus.com

# Single Bond Wire

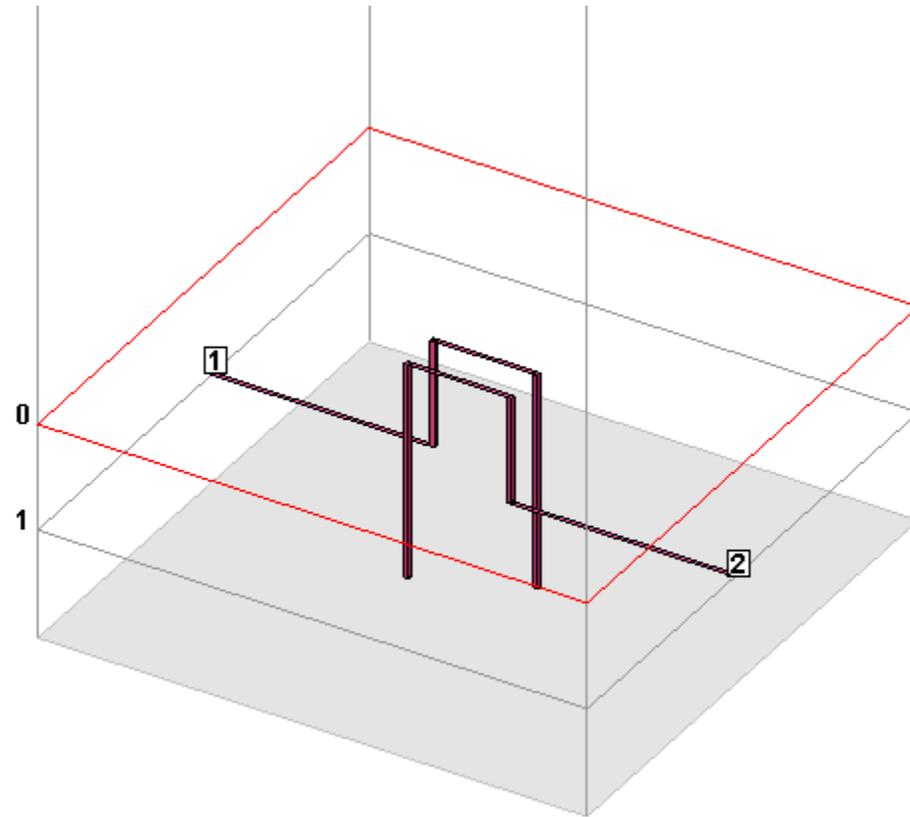
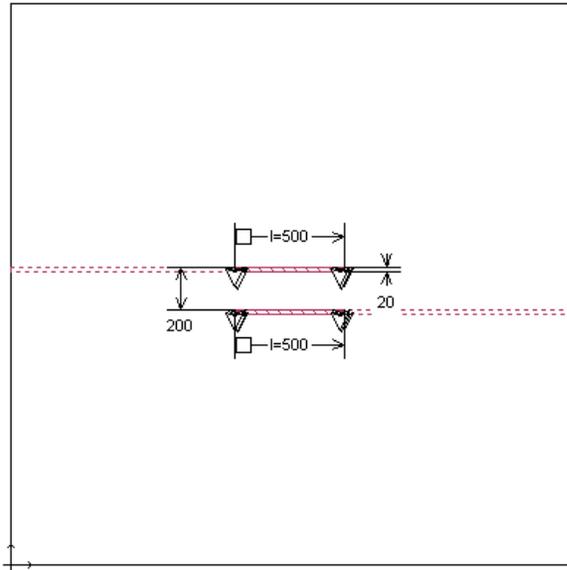


	Thickness (microns)	Mat. Name	Erel	Dielectric Loss Tan	Diel Cond (S/m)
0	5000.0	Air	1.0	0.0	0.0
1	500.0	Air	1.0	0.0	0.0
	510.0	Rogers RO4003C	3.55	0.0027	0.0

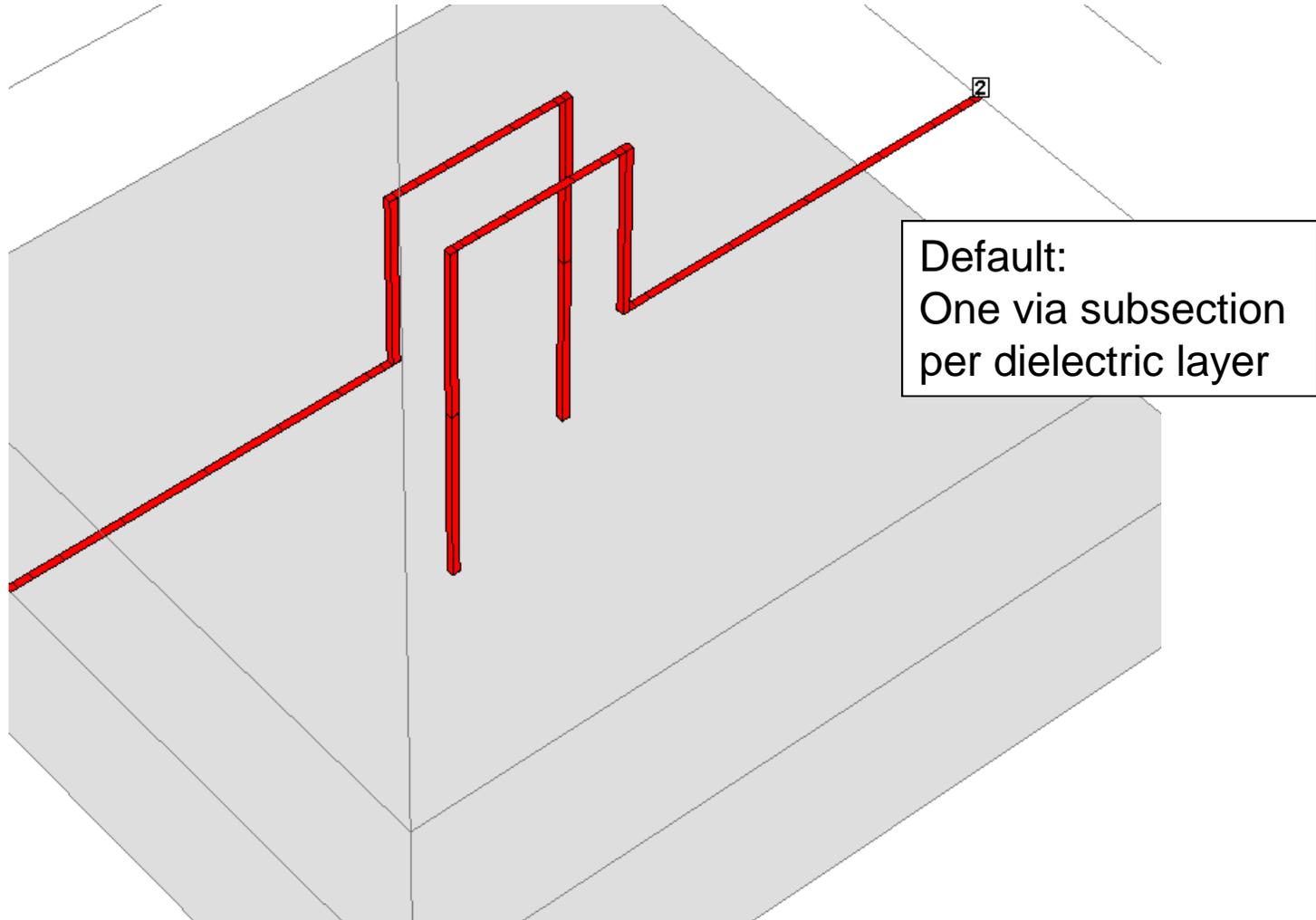
# Compare Result



# Double Bond Wire



# Subsections



# Add more vertical subsections

The image shows a PCB design software interface with a main workspace and several dialog boxes. The main workspace displays a diagram of a 'Dummy Dielectric Brick' with a red arrow pointing to a small black dot. The diagram shows a horizontal line with two vertical dashed lines extending upwards and downwards, and a small black dot at the top center. The text 'Dummy Dielectric Brick' is written in red above the diagram.

The 'Dielectric Layers' dialog box is open, showing a table with the following data:

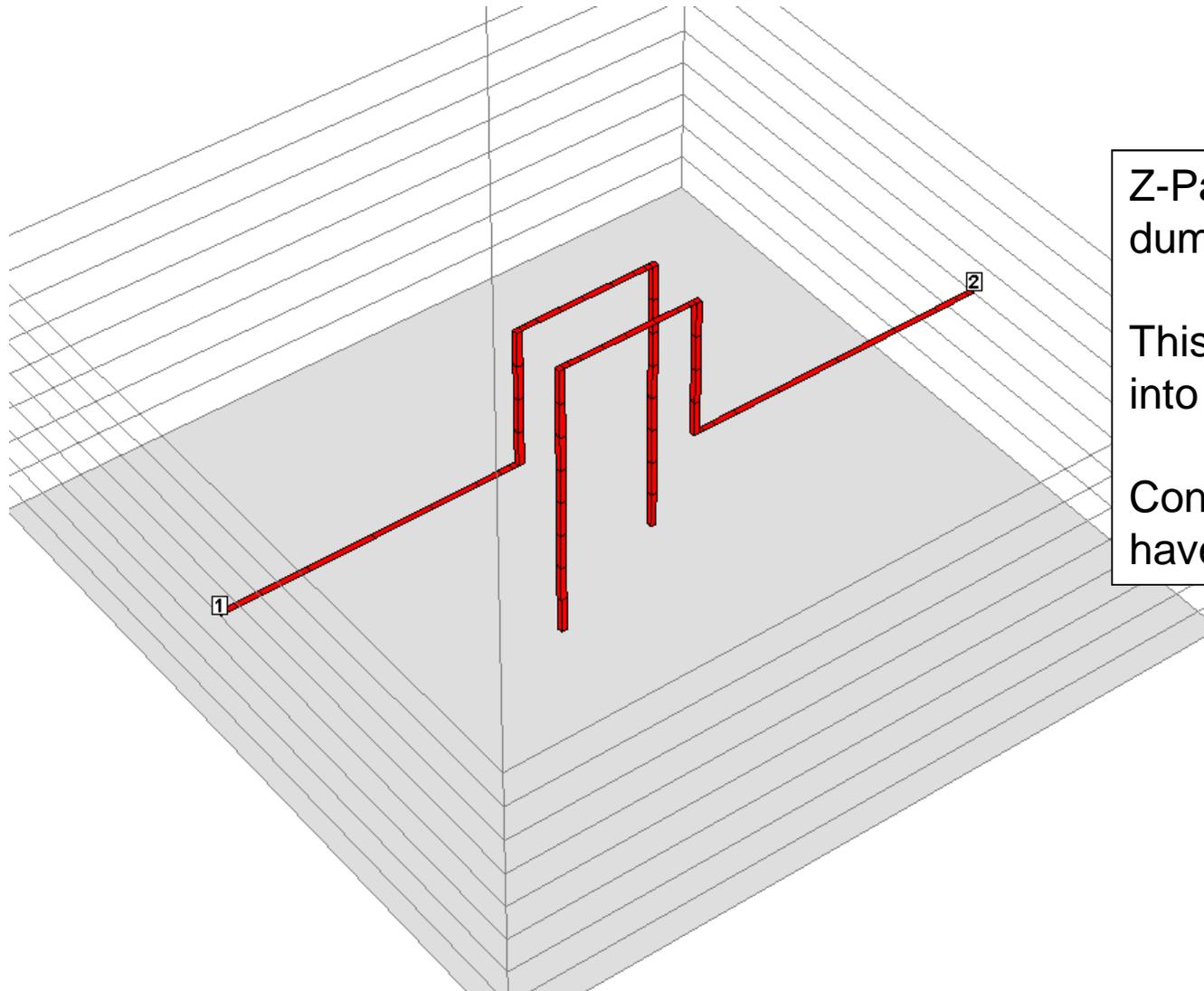
Level Num	Thickness (microns)	Mat. Name	Erel	Dielectric Loss Tan	Diel Cond (S/m)
0	5000.0	Air	1.0	0.0	0.0
1	500.0	Air	1.0	0.0	0.0
	510.0	Rogers RO4003C	3.55	0.0	0.0

The 'Z Partitions' dialog box is also open, showing a table with the following data:

Level Num	Mat. Name	Z-Parts
0	Air	0
1	Air	4
GND	Rogers RO40	4

The 'Z-Parts' column values for levels 1 and GND are circled in red. The 'Z-Parts...' button in the 'Dielectric Layers' dialog box is also circled in red.

# More Subsections

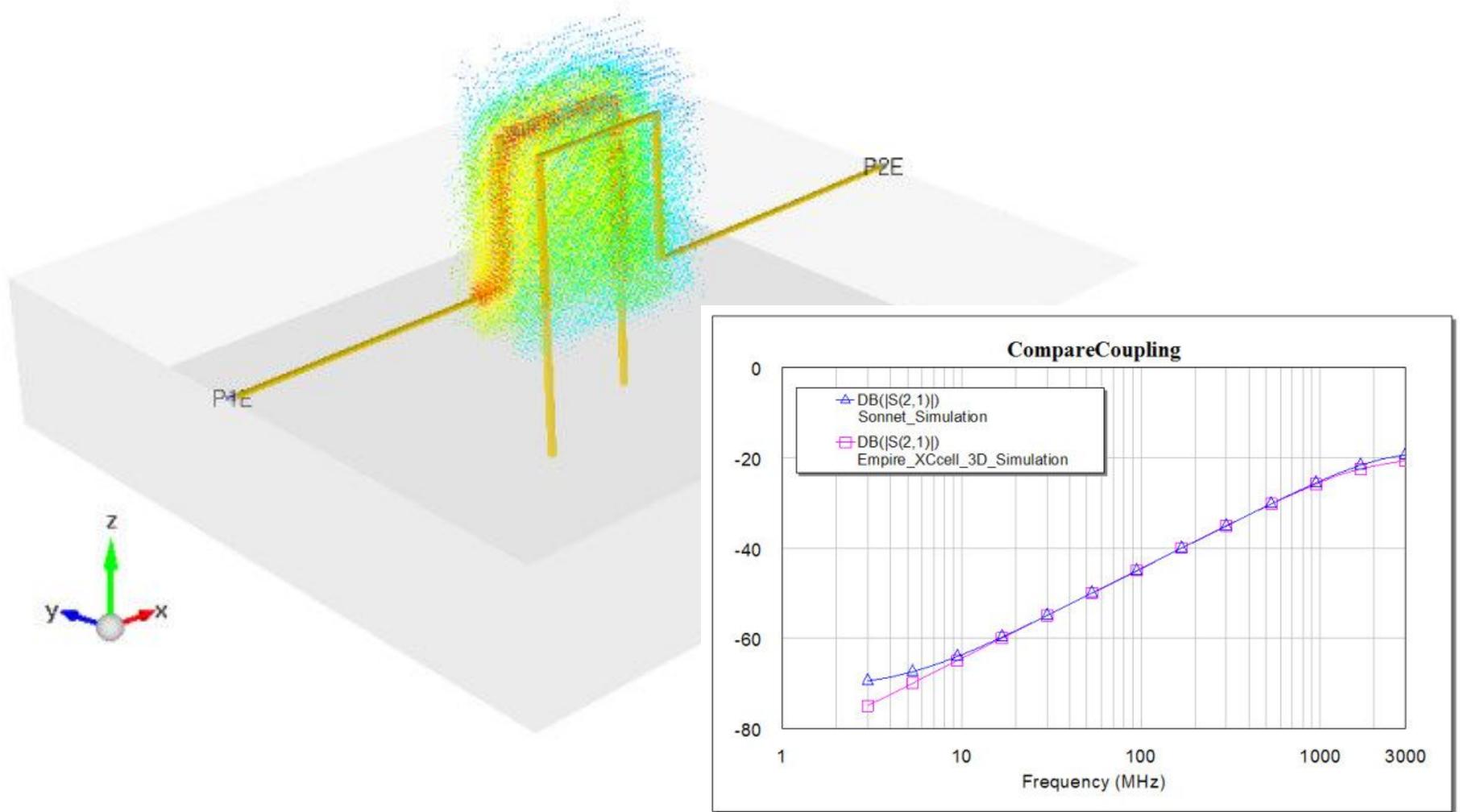


Z-Parts = 4 for layers with dummy brick:

This divides dielectric layer into 4 pieces for the solver.

Consequently, vias also have more segments.

# Compare to Empire 3D FDTD



# Curved with same Length

