

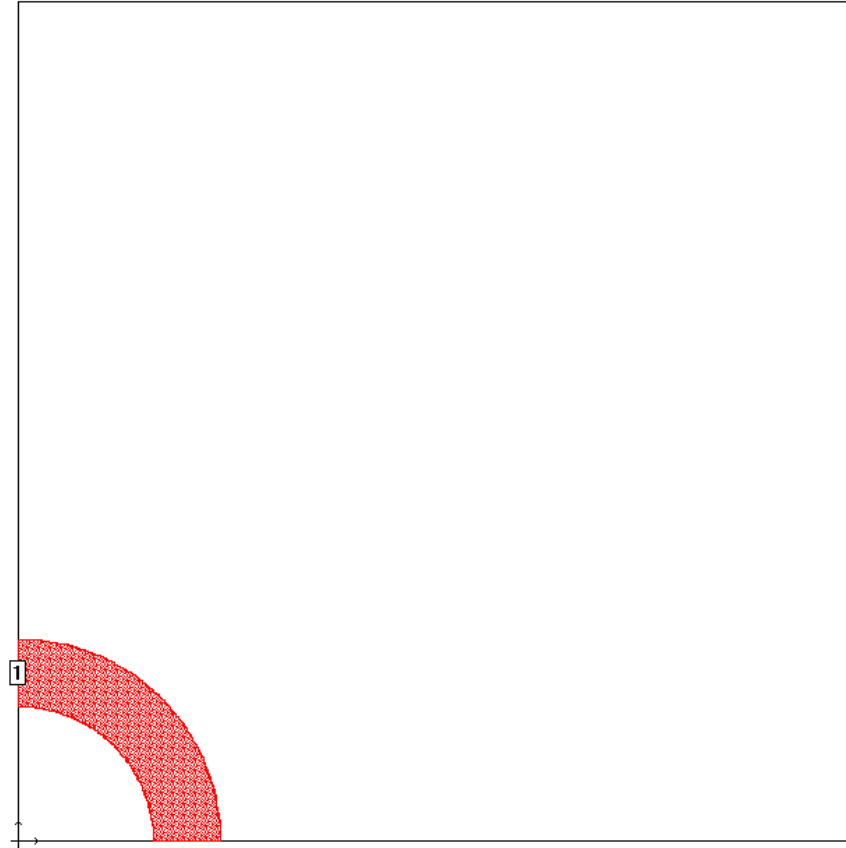
# Sonnet Simulation of a 90 Degree Loop Section

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Technical Sales and Applications

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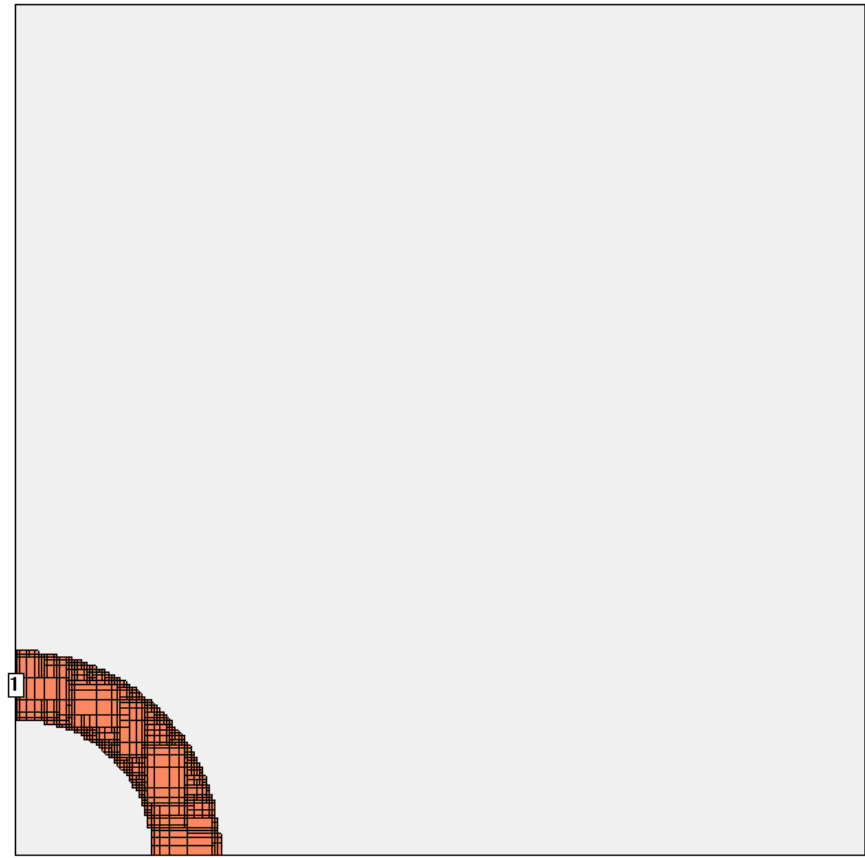
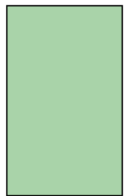
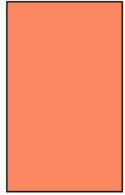
# Project Layout



# SONNET Staircase Mesh – 0.27mm Grid (Original)

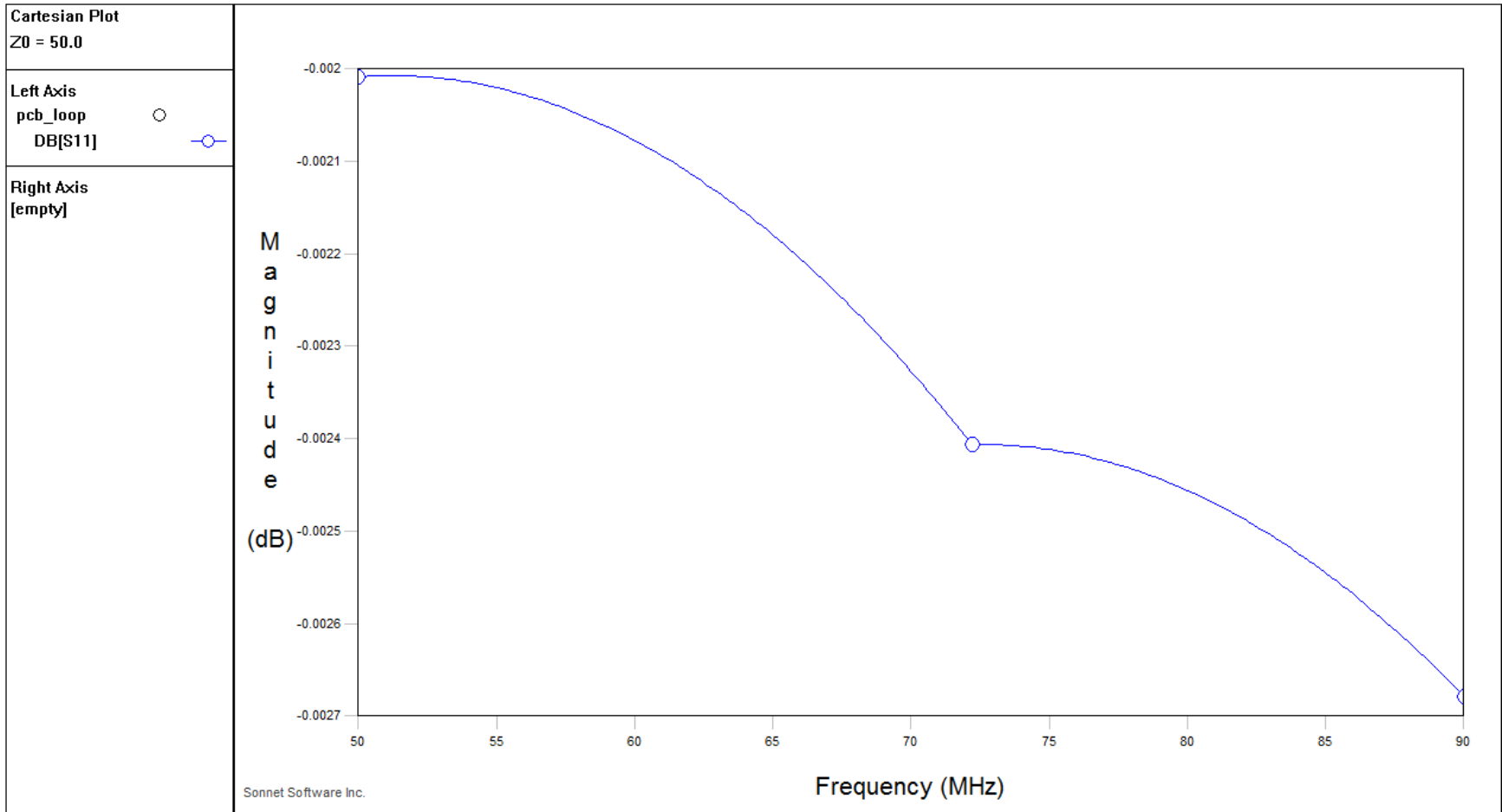
Mesh Type  
Standard

Conformal

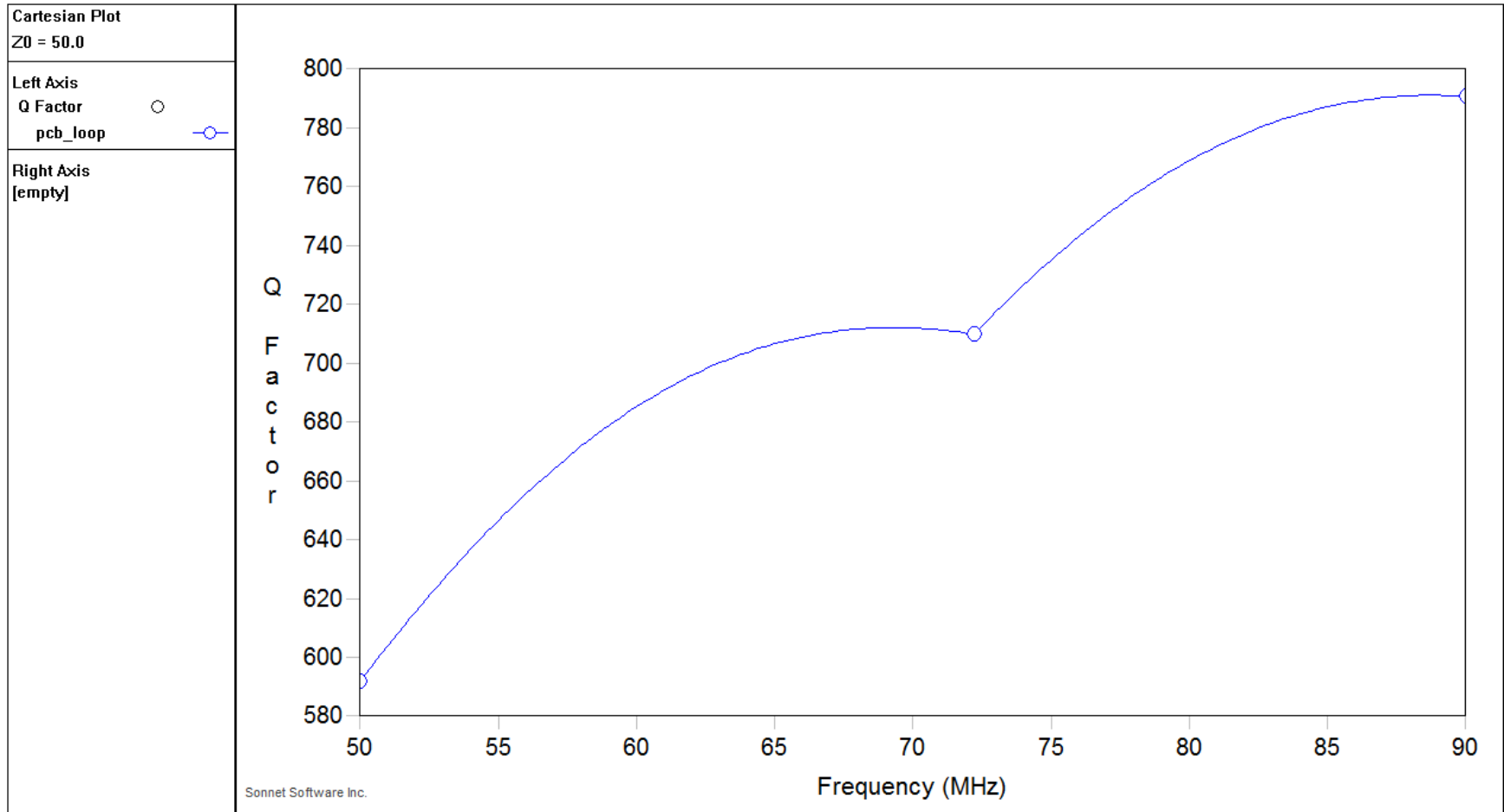


- 1169 subsections
- 16 MB Memory used for analysis

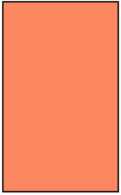
# Results - Original Mesh S11



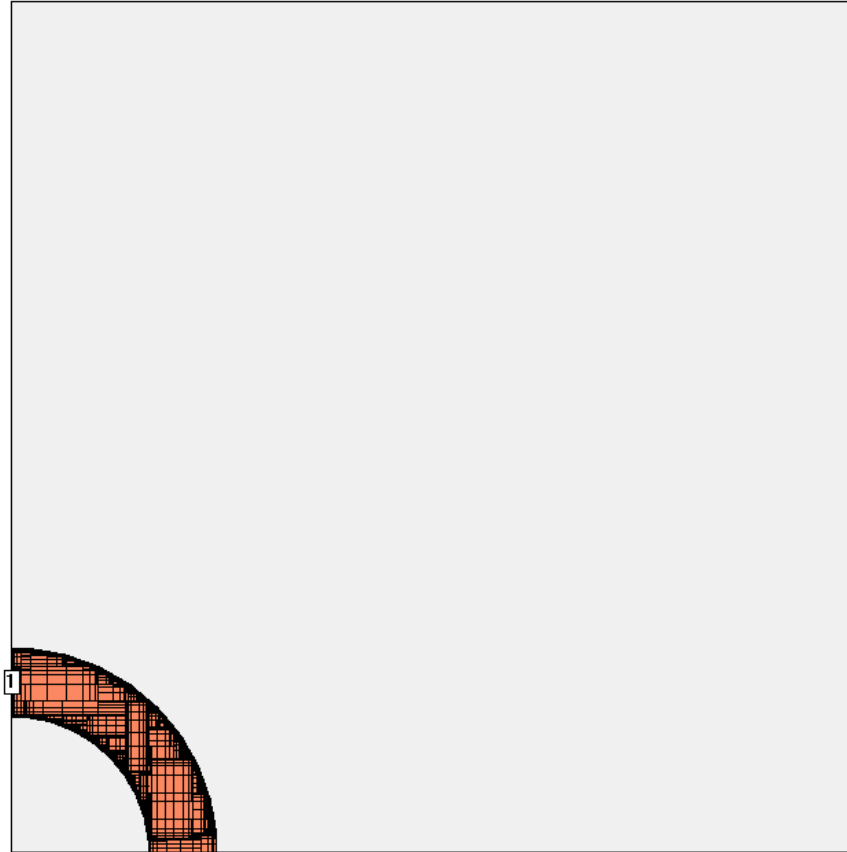
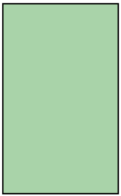
# Results – Original Mesh Q



Mesh Type  
Standard



Conformal



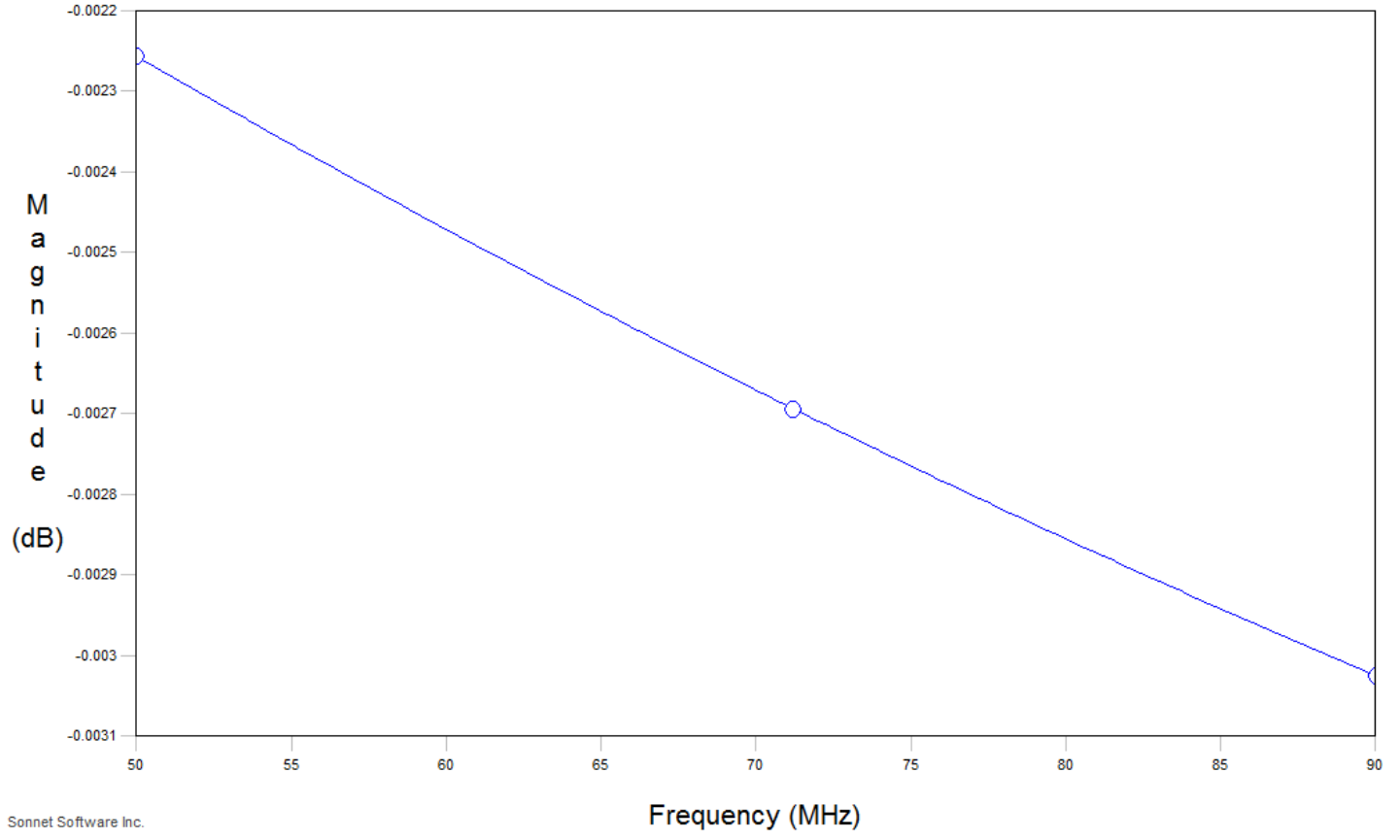
- 12751 subsections
- 1.3 GB Memory used for analysis

# Results – 0.025mm Grid S11

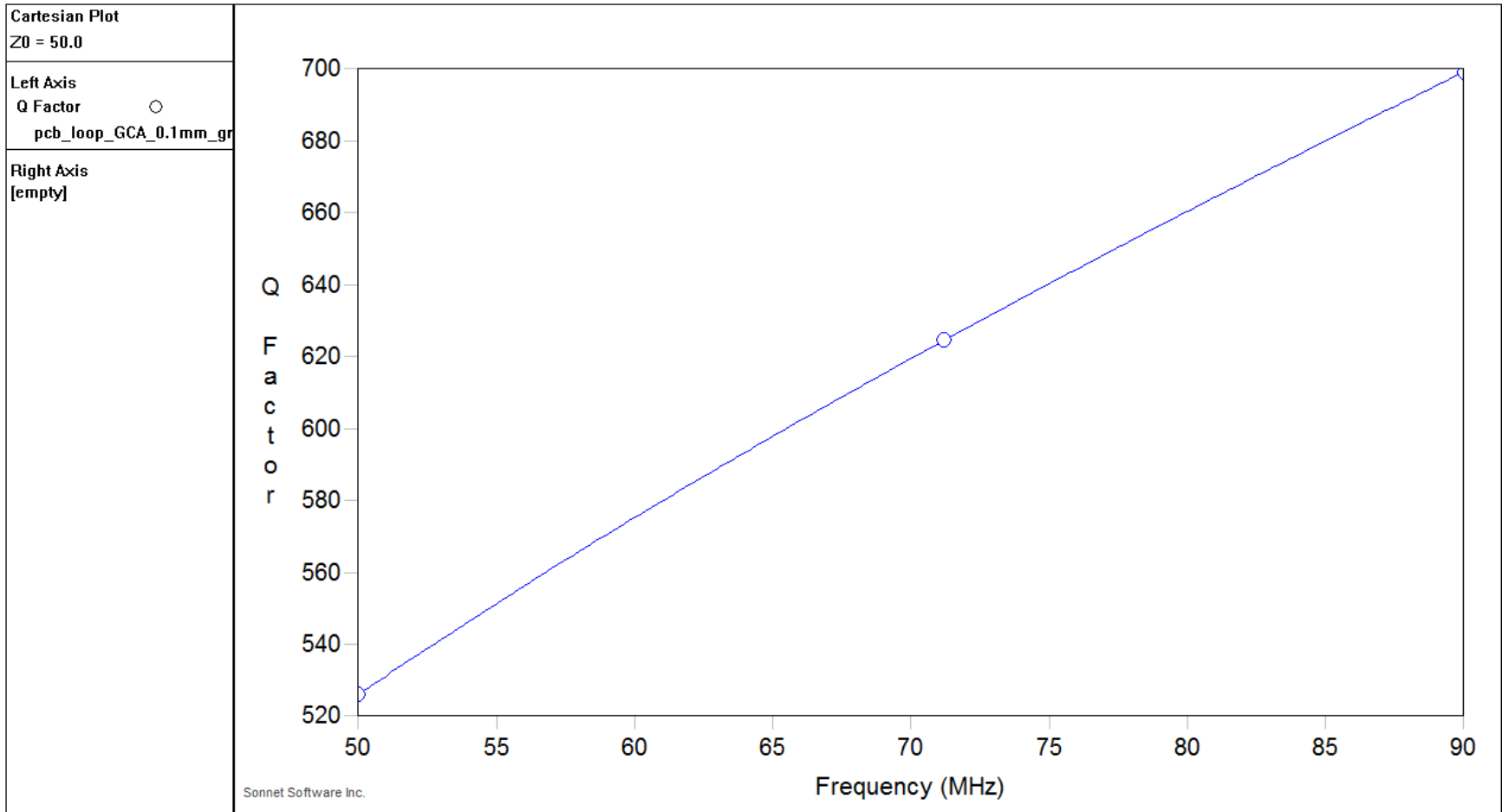
Cartesian Plot  
Z0 = 50.0

Left Axis  
pcb\_loop\_GCA\_0.1mm\_grid  
DB[S11]

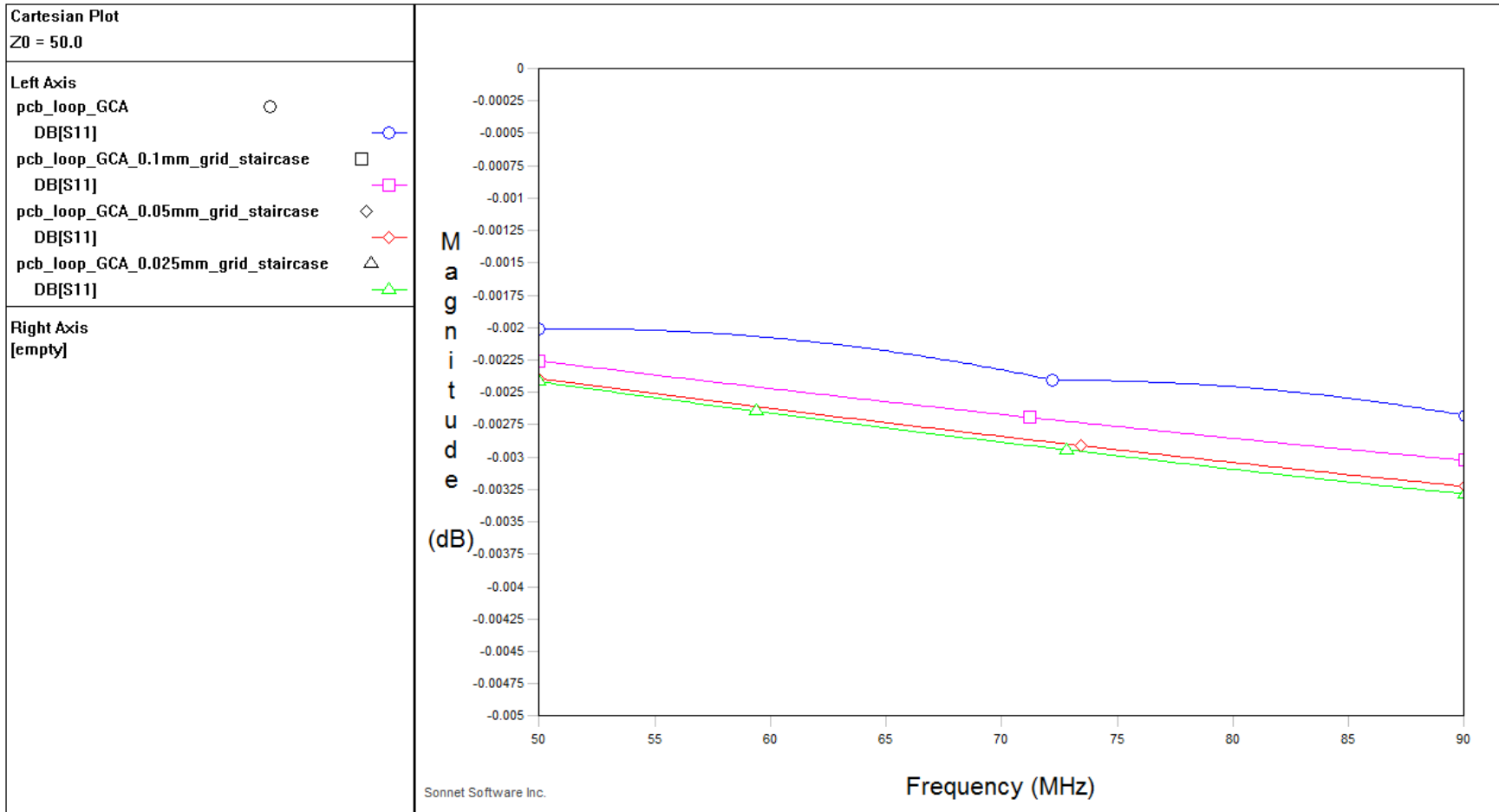
Right Axis  
[empty]



# Results – 0.025mm Q Factor



# Composite Results – S11



# Composite Results – Q Factor

