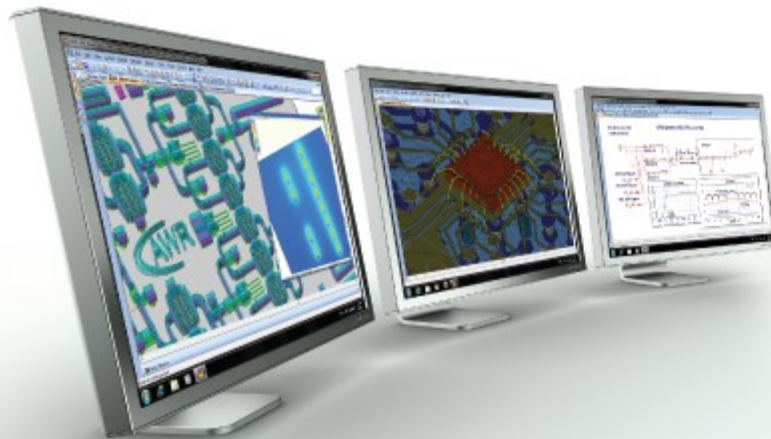


# Microwave Office (Applied Wave Research)

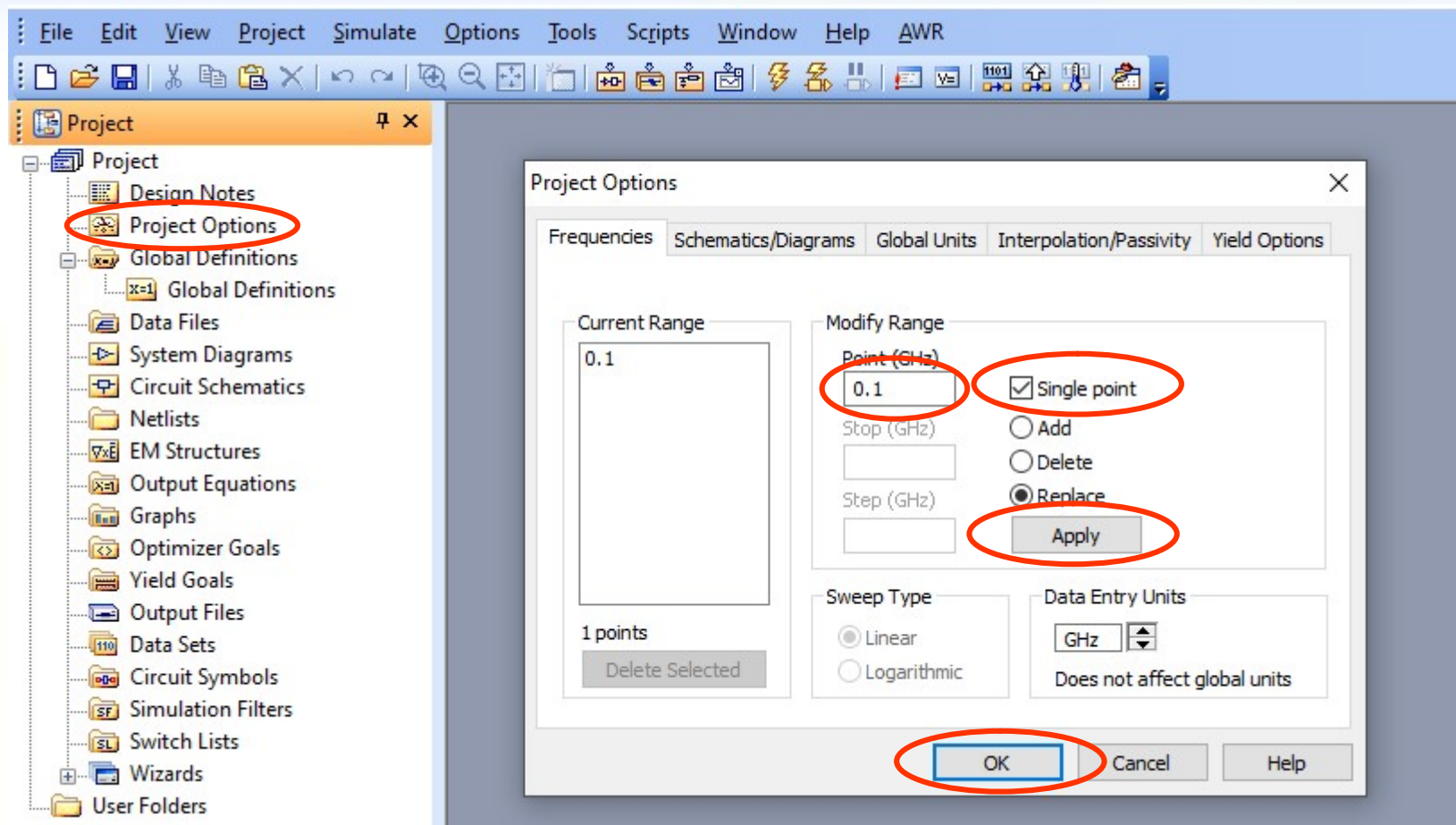
[www.awrcorp.com](http://www.awrcorp.com)



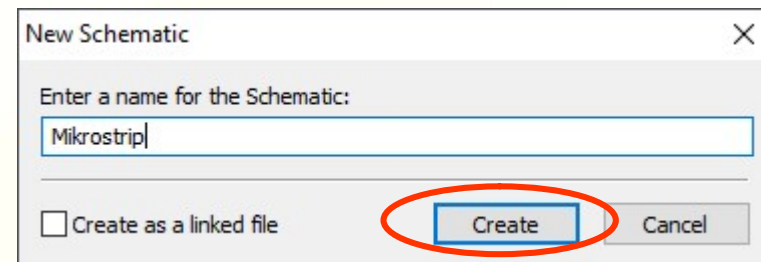
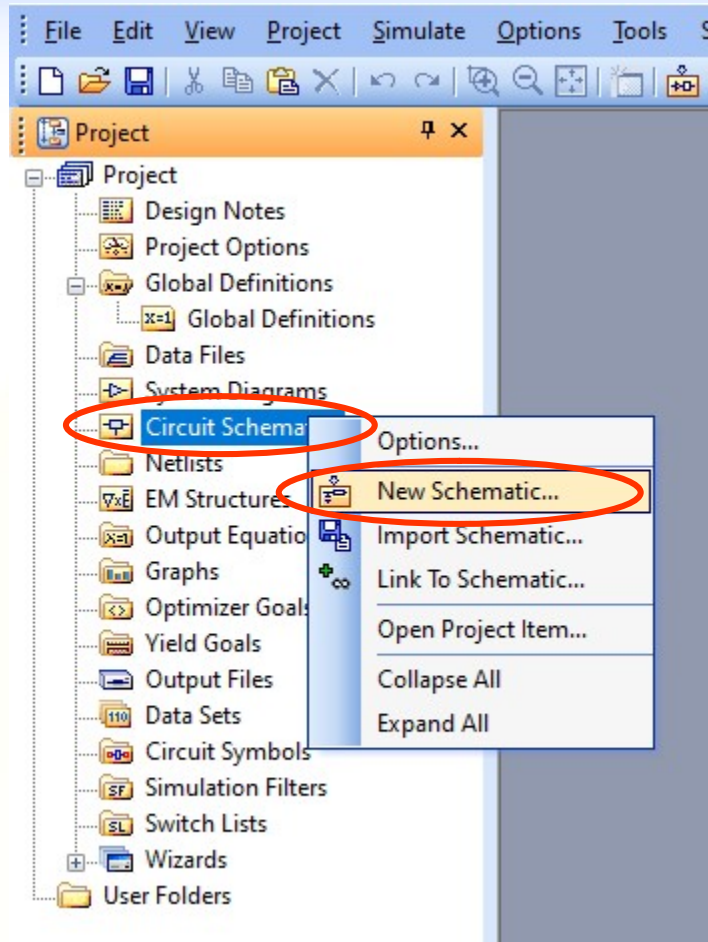
A National  
Instruments  
Company™

MICROWAVE OFFICE | AXIEM | VISUAL SYSTEM SIMULATOR | ANALOG OFFICE | ANALYST

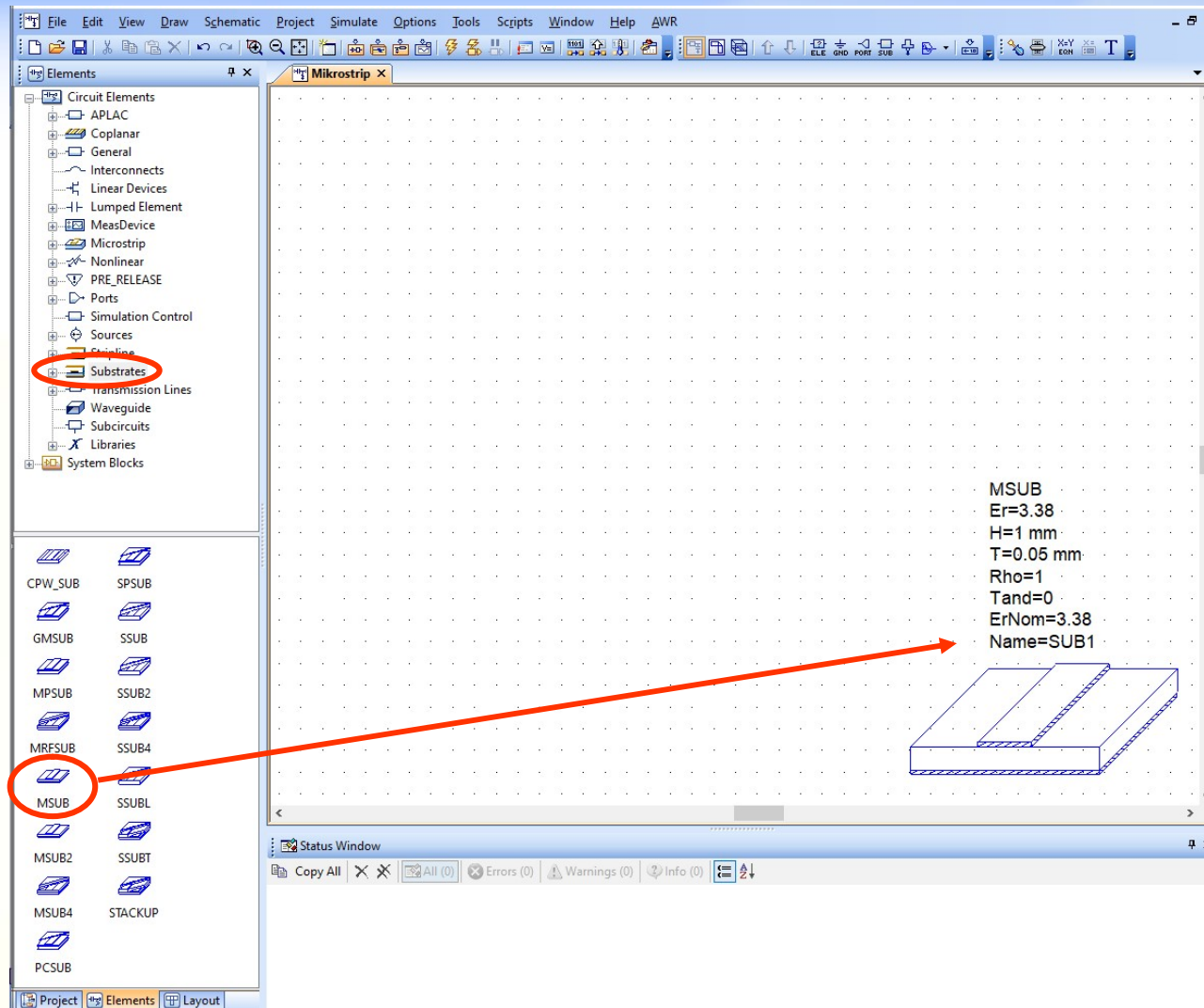
# Задавање периоде за рачунање временског одзива ( $t_{\max}=2/f$ )



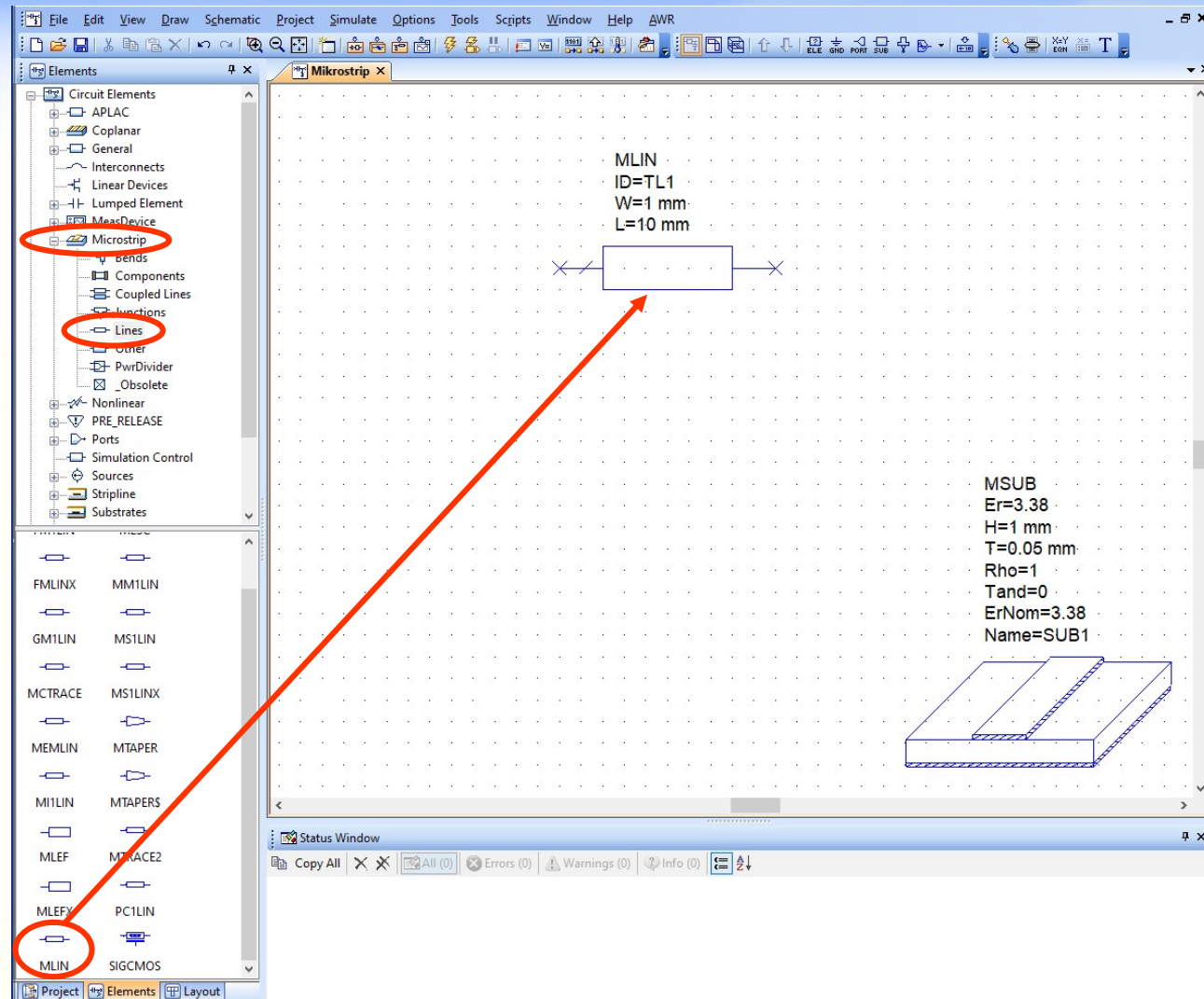
# Креирање нове шеме кола



# Додавање подлоге

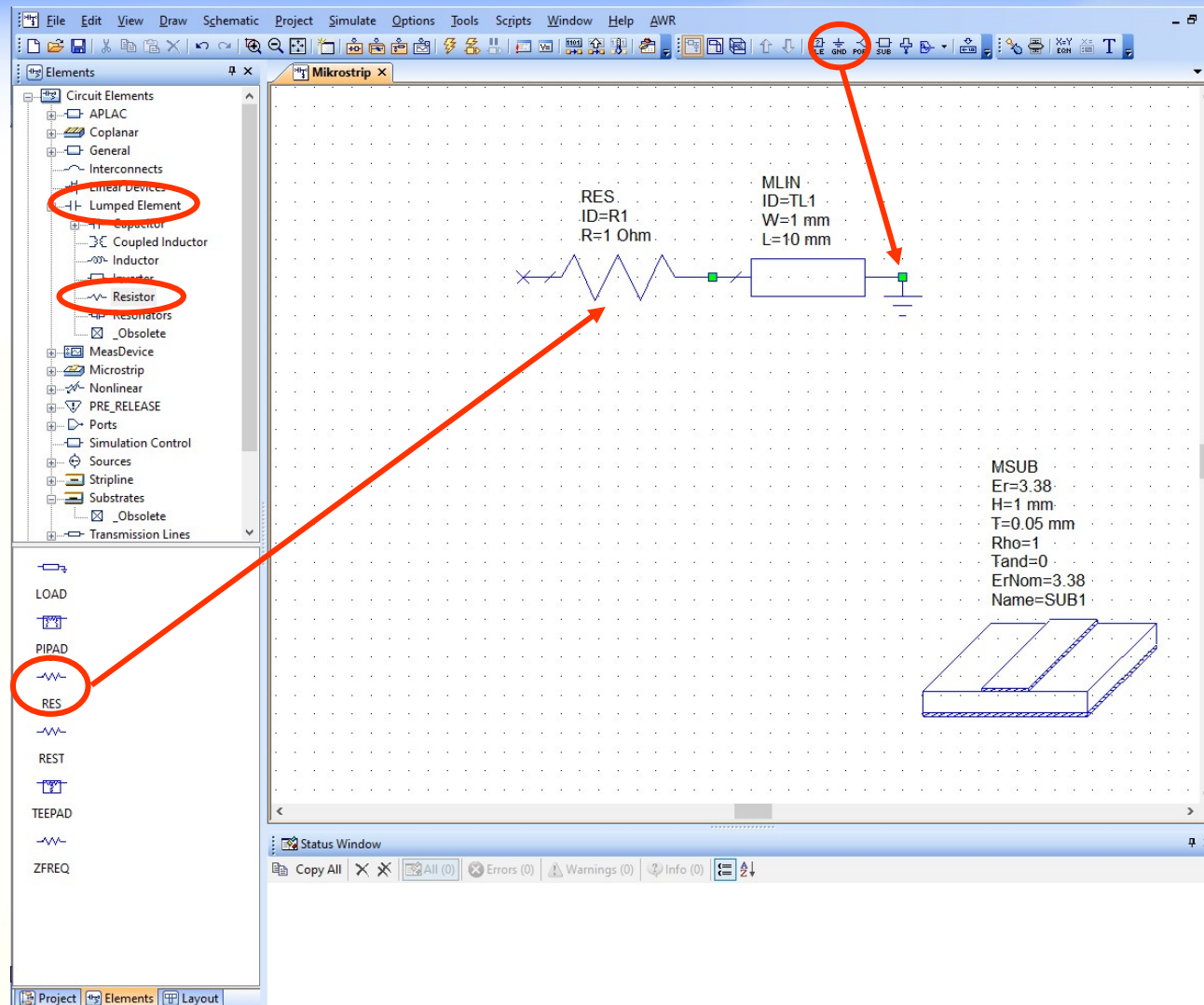


# Додавање елемената кола (микротракасти вод)

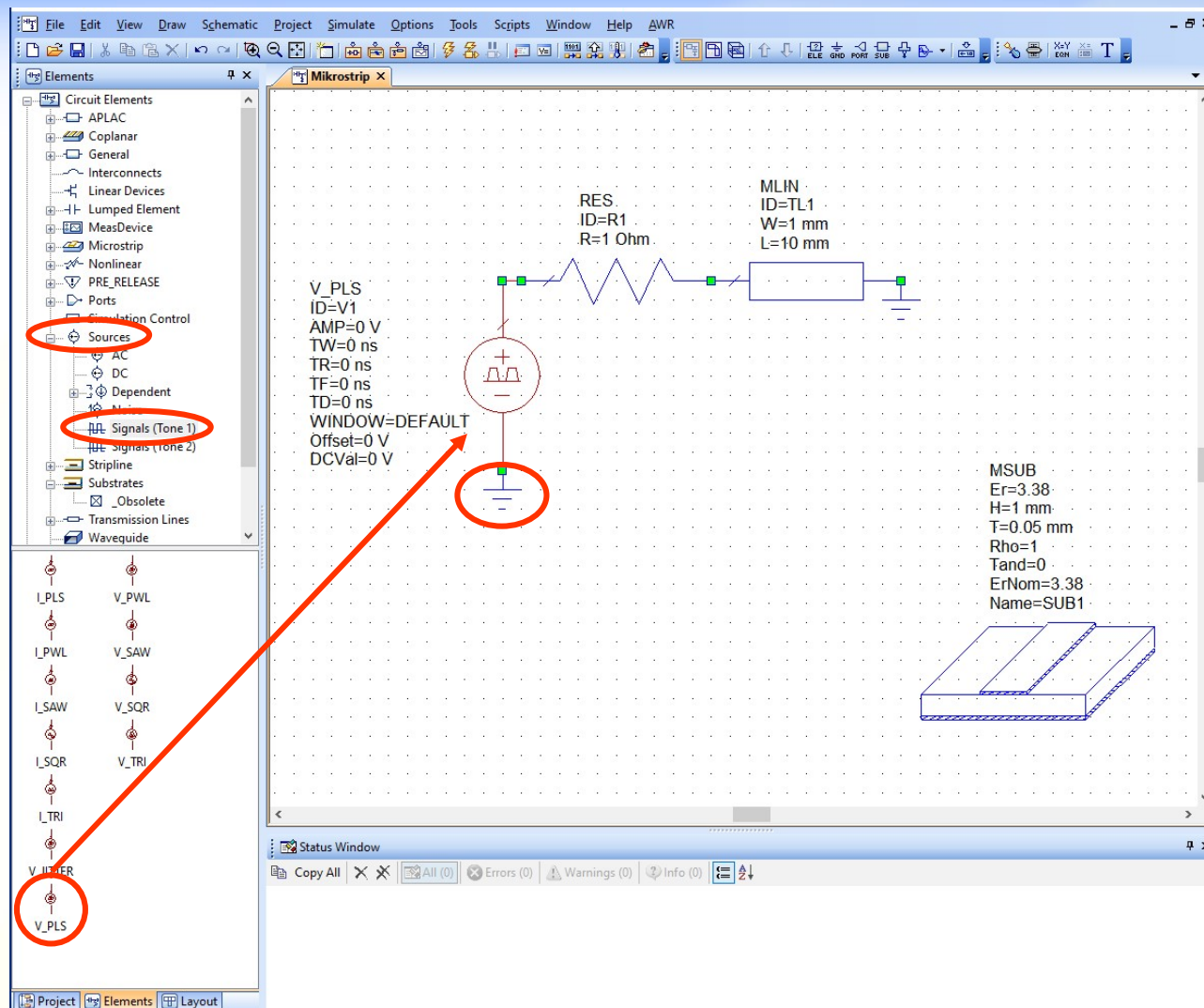




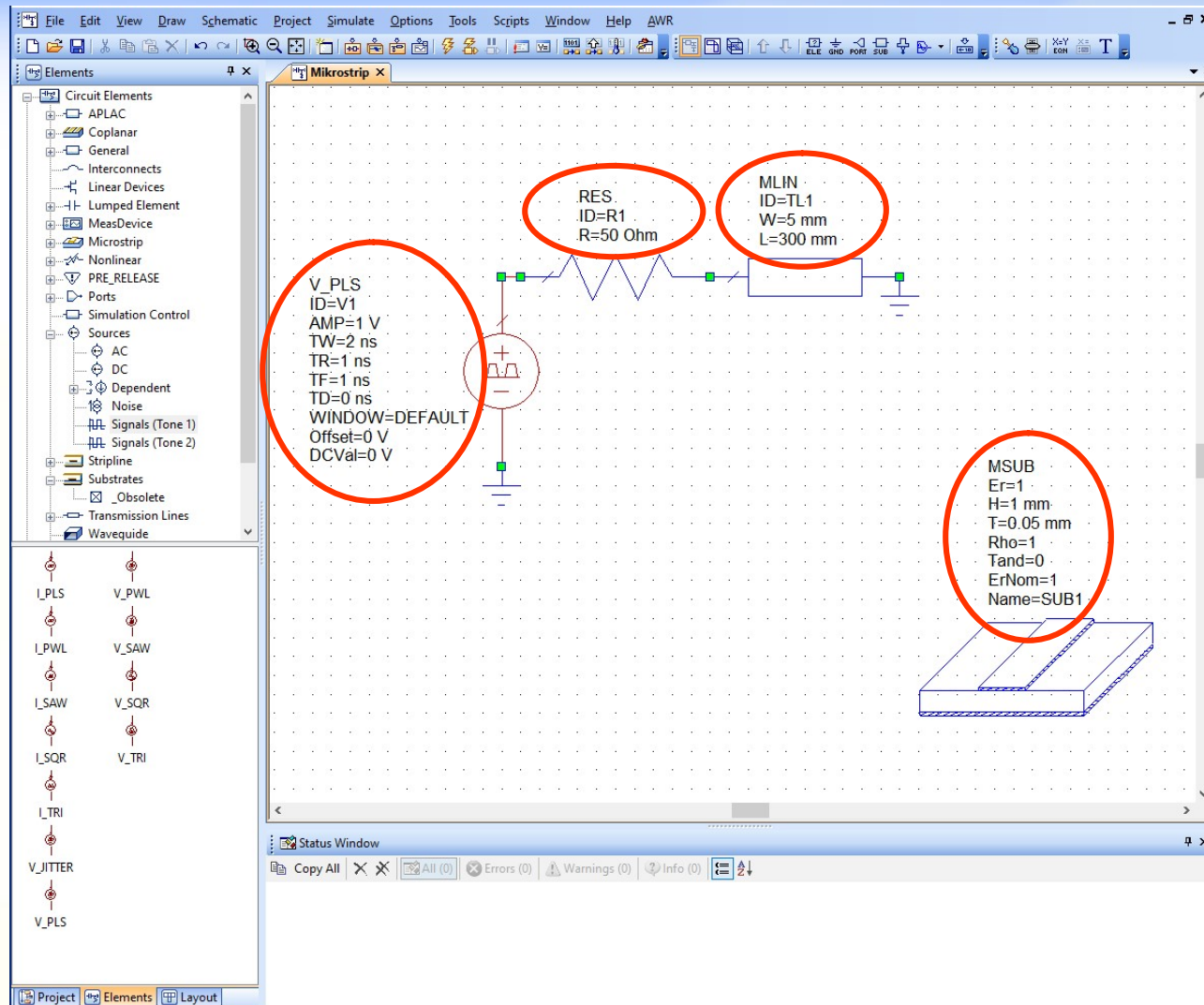
# Додавање елемената кола (отпорник и уземљење)



# Додавање импулсног генератора

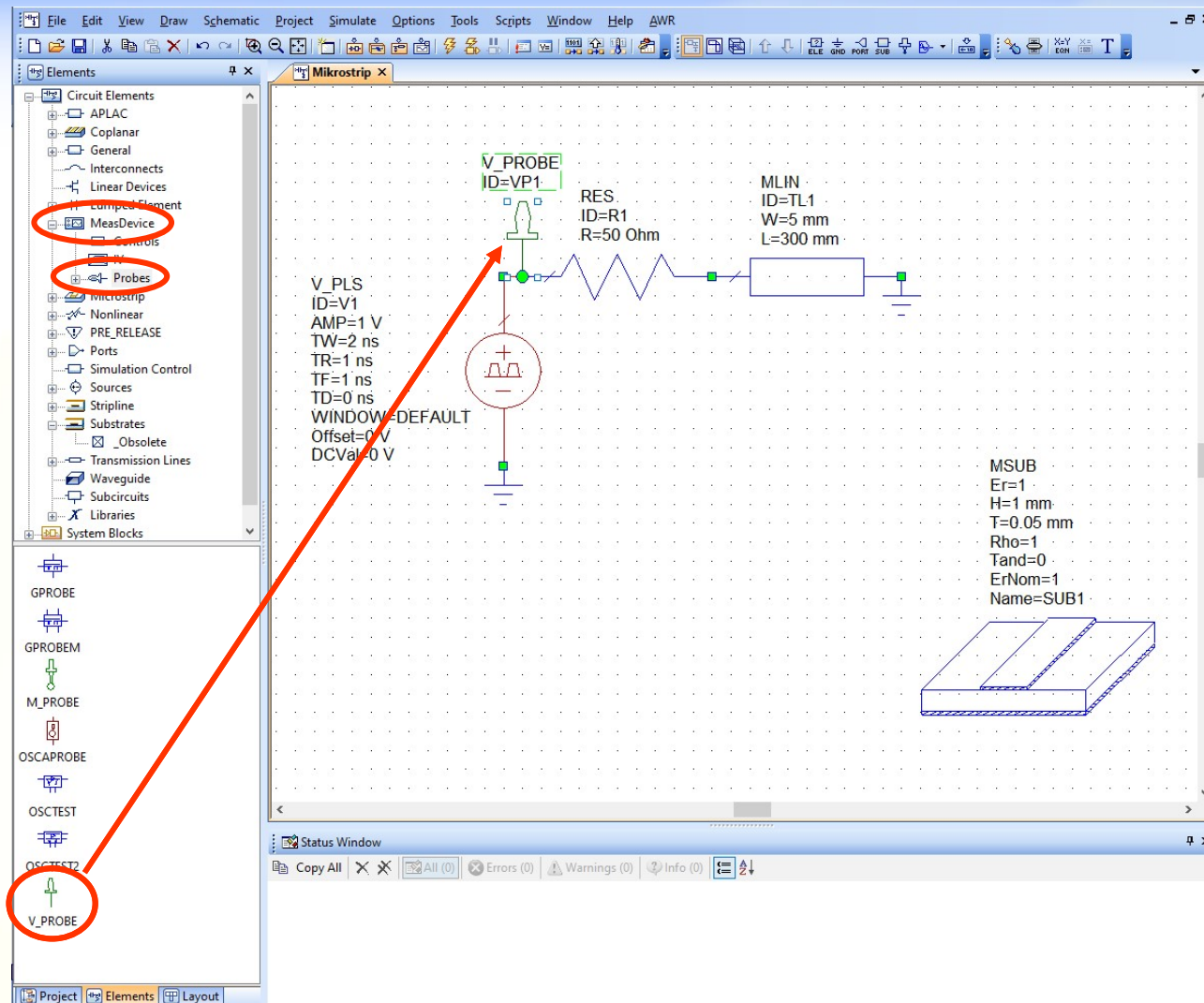


# Подешавање елемената кола

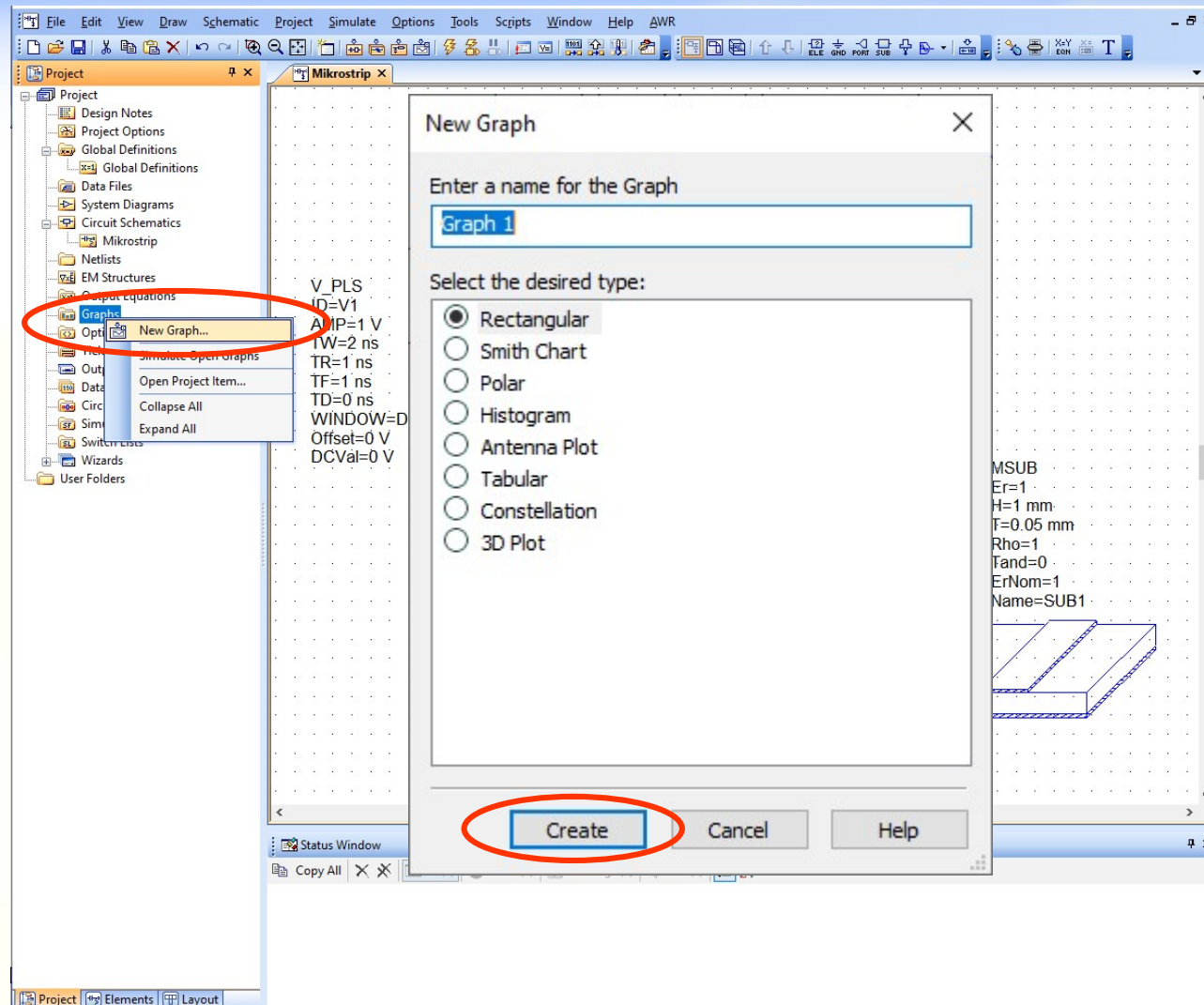




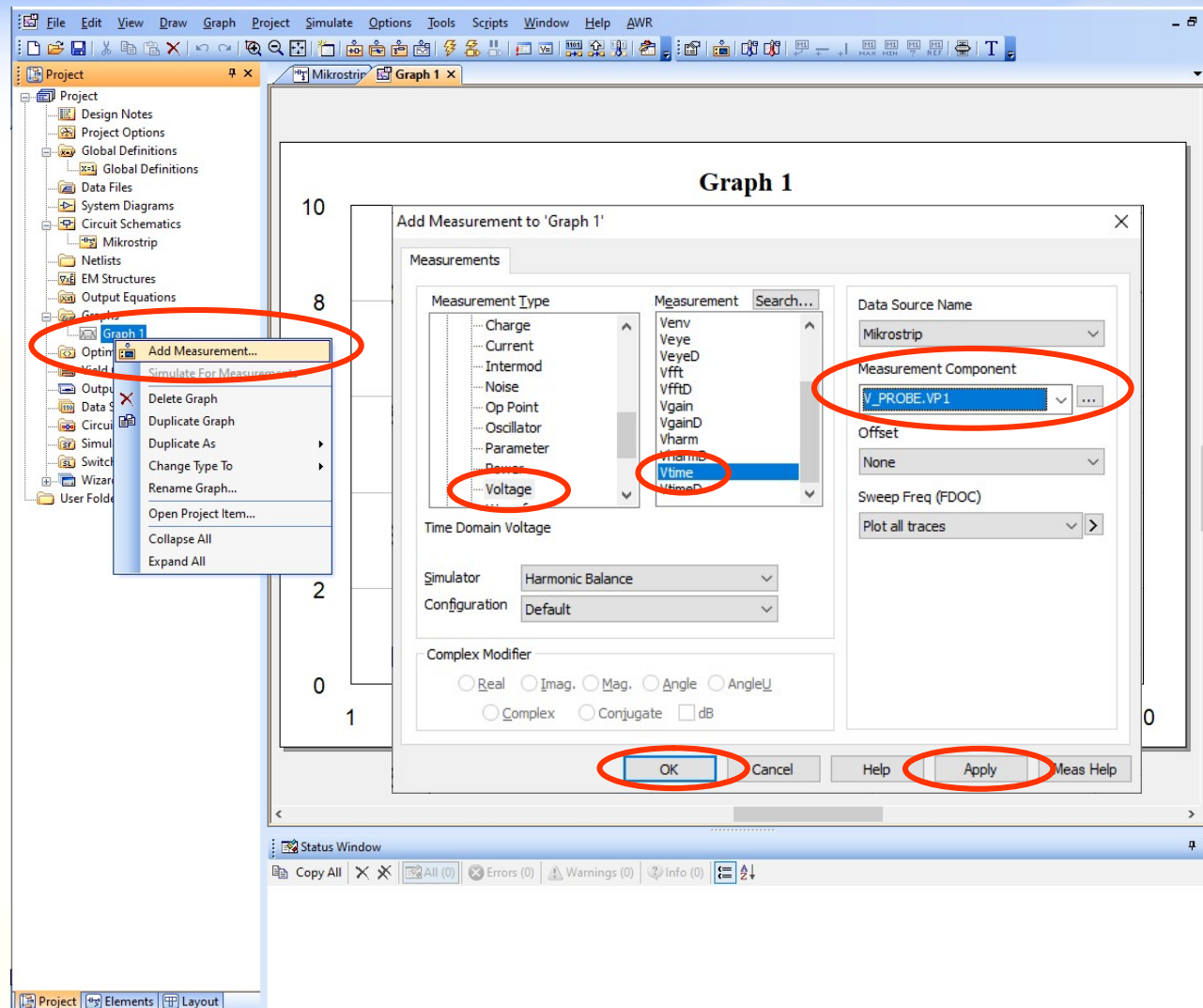
# Дефинисање тачака у којима се рачуна напон



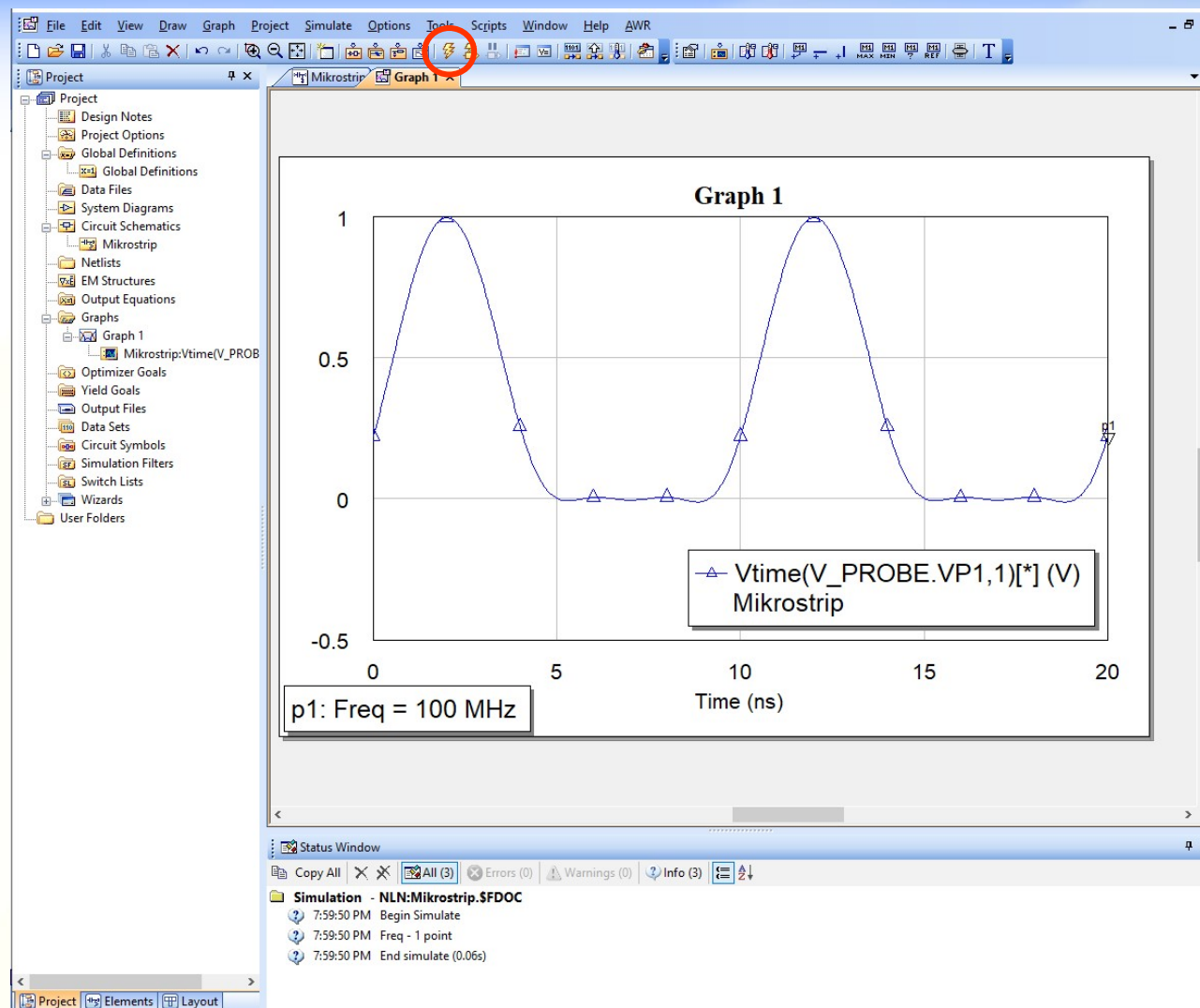
# Цртање резултата симулације



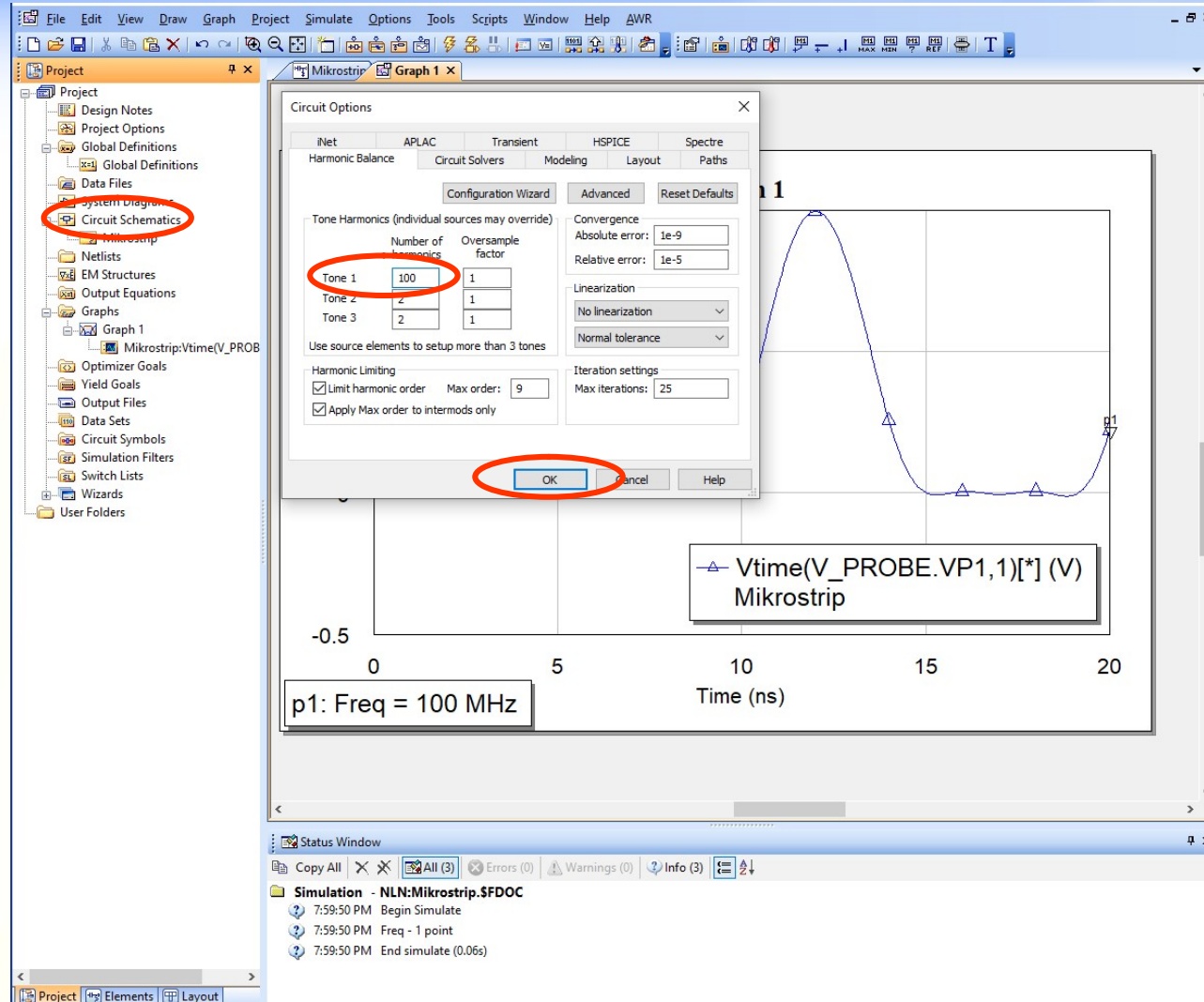
# Избор резултата који се црта



# Симулација (где је поворка импулса?)

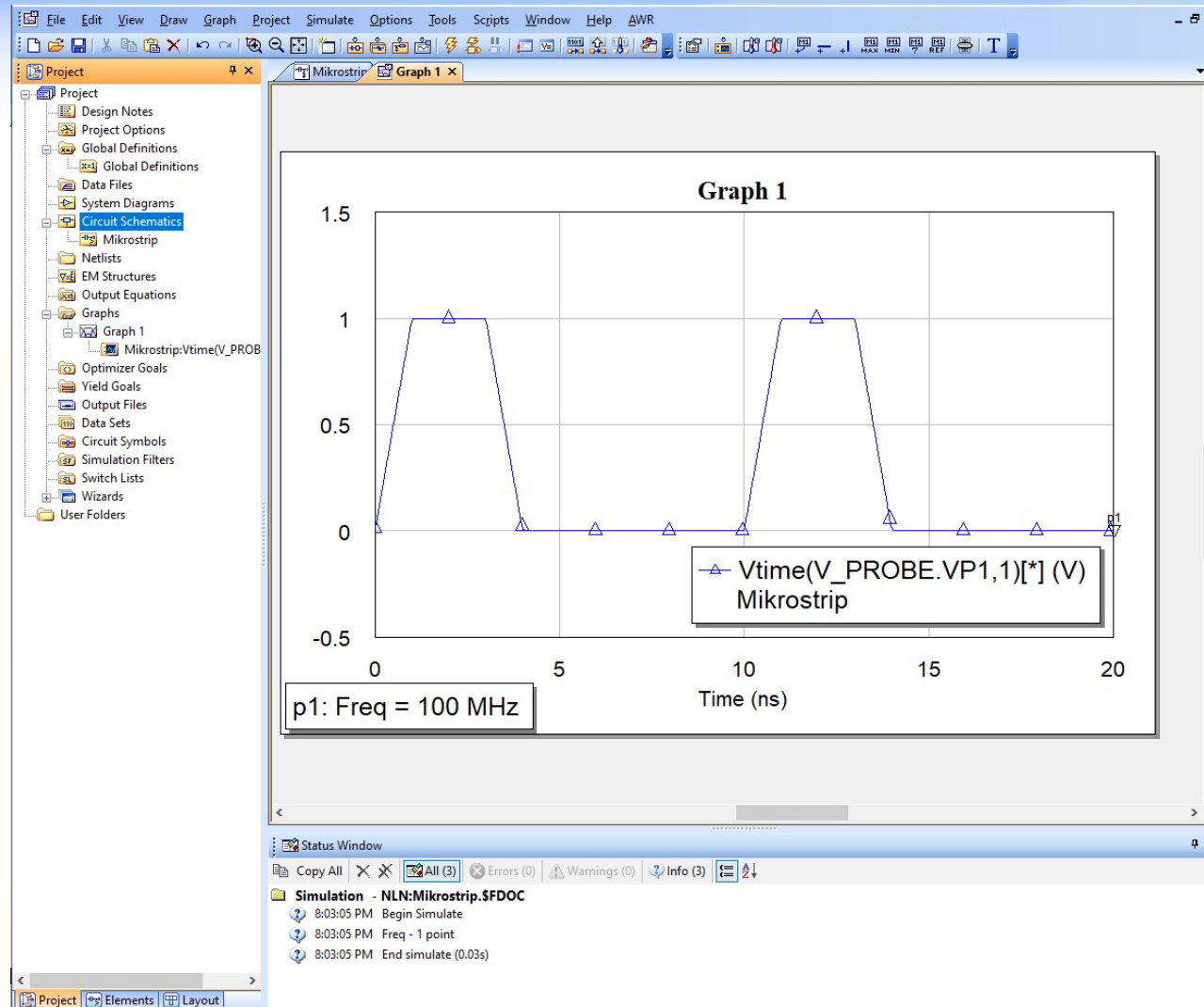


# Подешавање параметара временске анализе

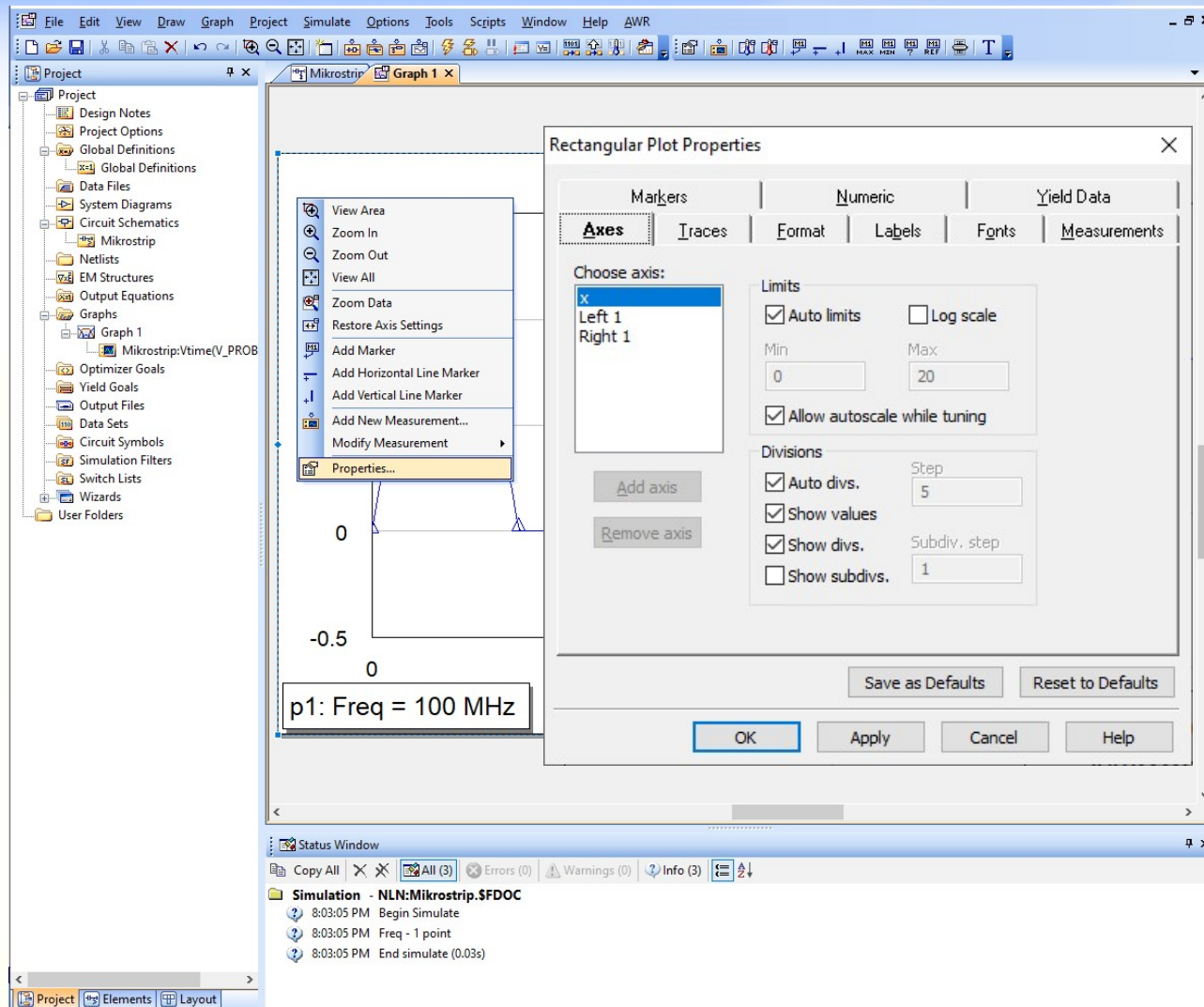




# Результати



# Подешавање графика



# 50-омски вод променљиви параметар

The image displays the AWR Microwave Office software interface, illustrating the setup of a 50-ohm transmission line project with a variable width parameter.

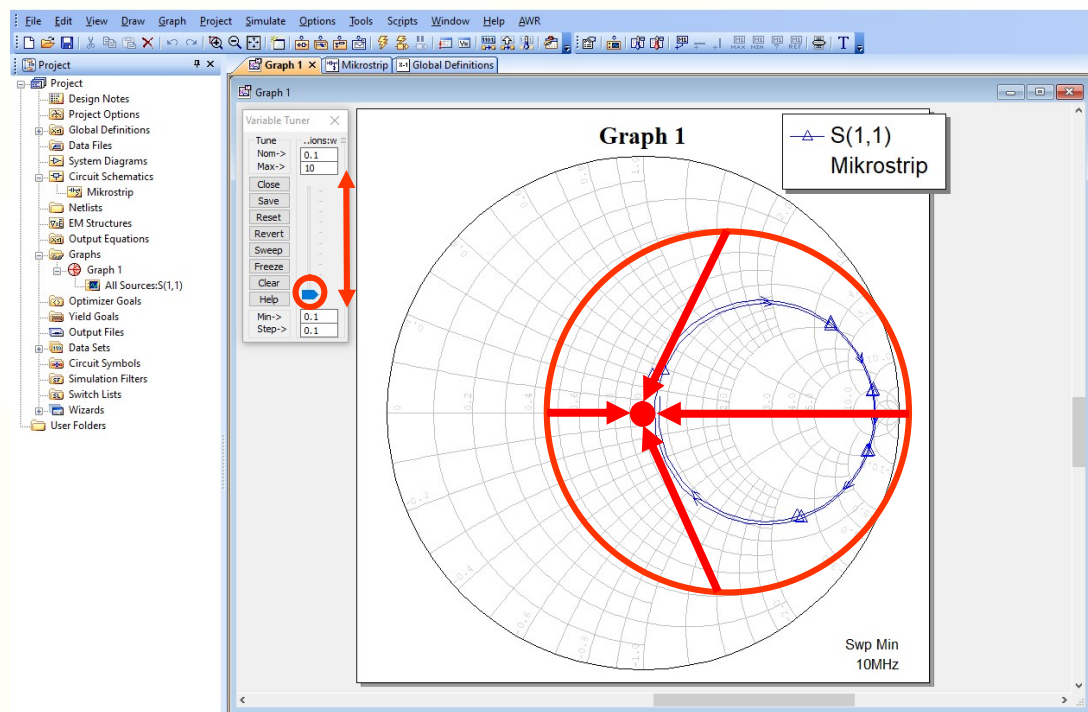
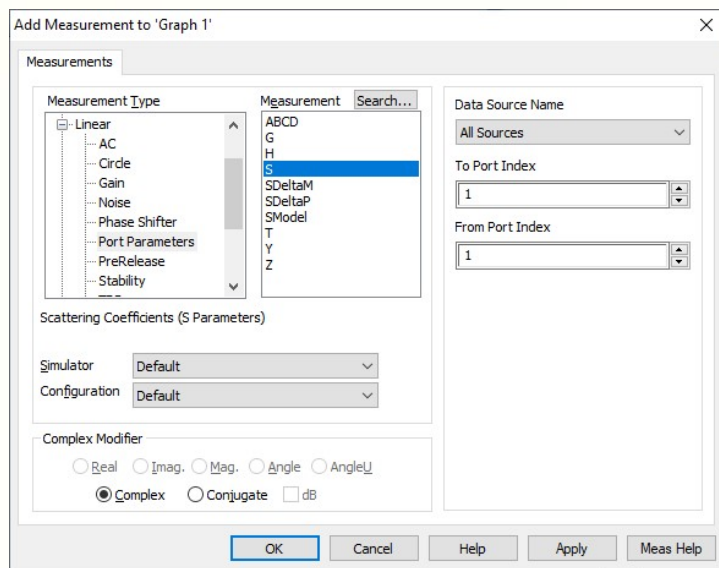
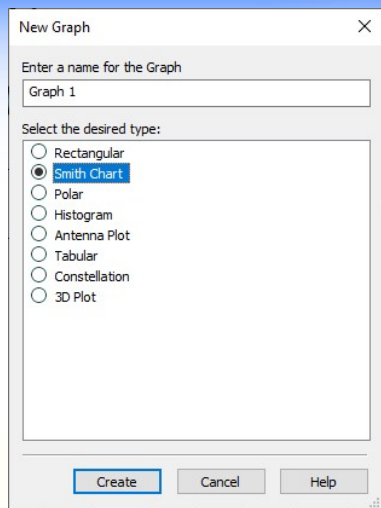
**Main Window:** The central workspace shows a schematic diagram of a transmission line structure. Key components include a PORT (P=1, Z=50 Ohm), a microstrip line (MLIN, ID=TL1, W=w mm, L=300 mm), a microstrip substrate (MSUB, Er=1, H=1 mm, T=0.05 mm, Rho=1, Tand=0, ErNom=1, Name=SUB1), and a resistor (RES, ID=R1, R=50 Ohm). The variable width  $w$  is highlighted with a red circle.

**Global Definitions:** A red arrow points from the "Global Definitions" button in the Project panel to the "Global Definitions" window. This window shows the definition of the variable  $w$  as  $w=1$ .

**Project Options:** A red arrow points from the "Project Options" button in the Project panel to the "Project Options" dialog box. The "Frequencies" tab is active, showing the "Current Range" (0.01 to 0.11 GHz) and "Modify Range" settings (Start: 0.01 GHz, Stop: 1 GHz, Step: 0.01 GHz). The "Sweep Type" is set to "Linear".

**Edit Equation:** A red arrow points from the "Properties..." button in the Global Definitions window to the "Edit Equation" dialog box. This dialog shows the variable  $w$  defined as  $w=1$ . The "Variable Type" is set to "Variable definition". The "Tuning/Optimization" section is highlighted with a red circle, showing the "Tune" checkbox checked, with a "Lower bound" of 0.1 and an "Upper bound" of 10. The "Step Size" is set to 0.1.

# 50-омски вод подешавање параметра (“*tune*”)





# Пројектован 50-омски вод

