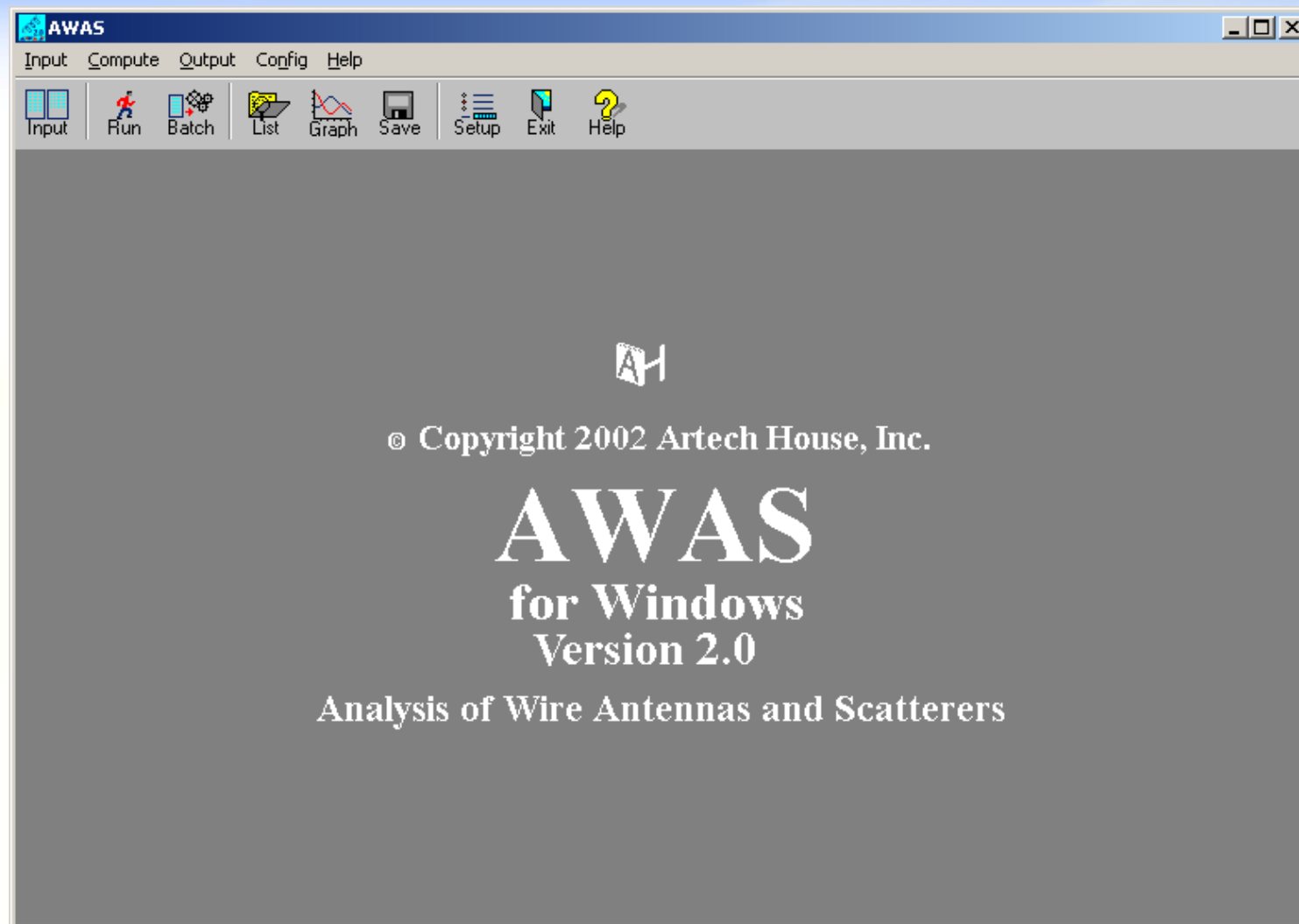
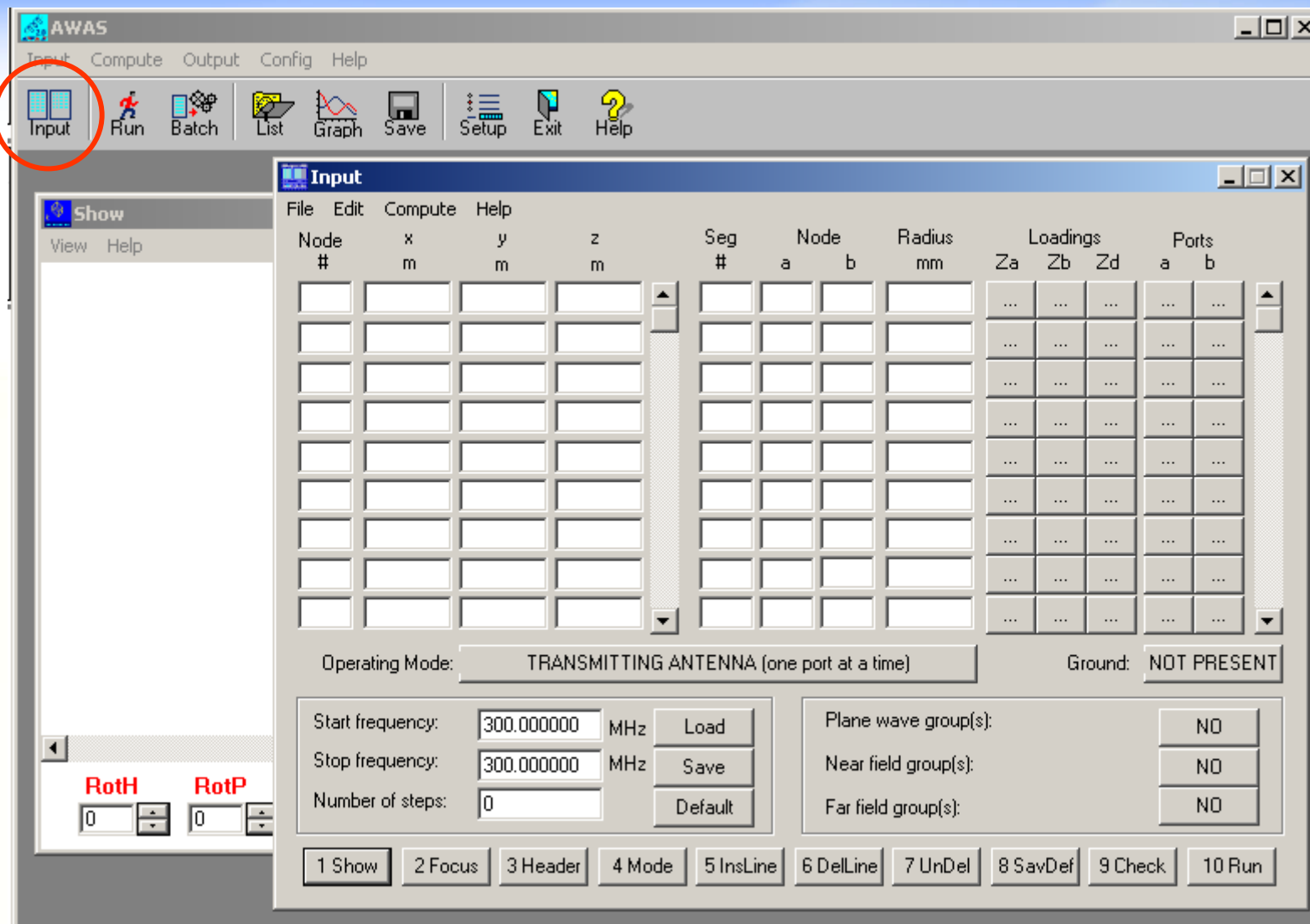


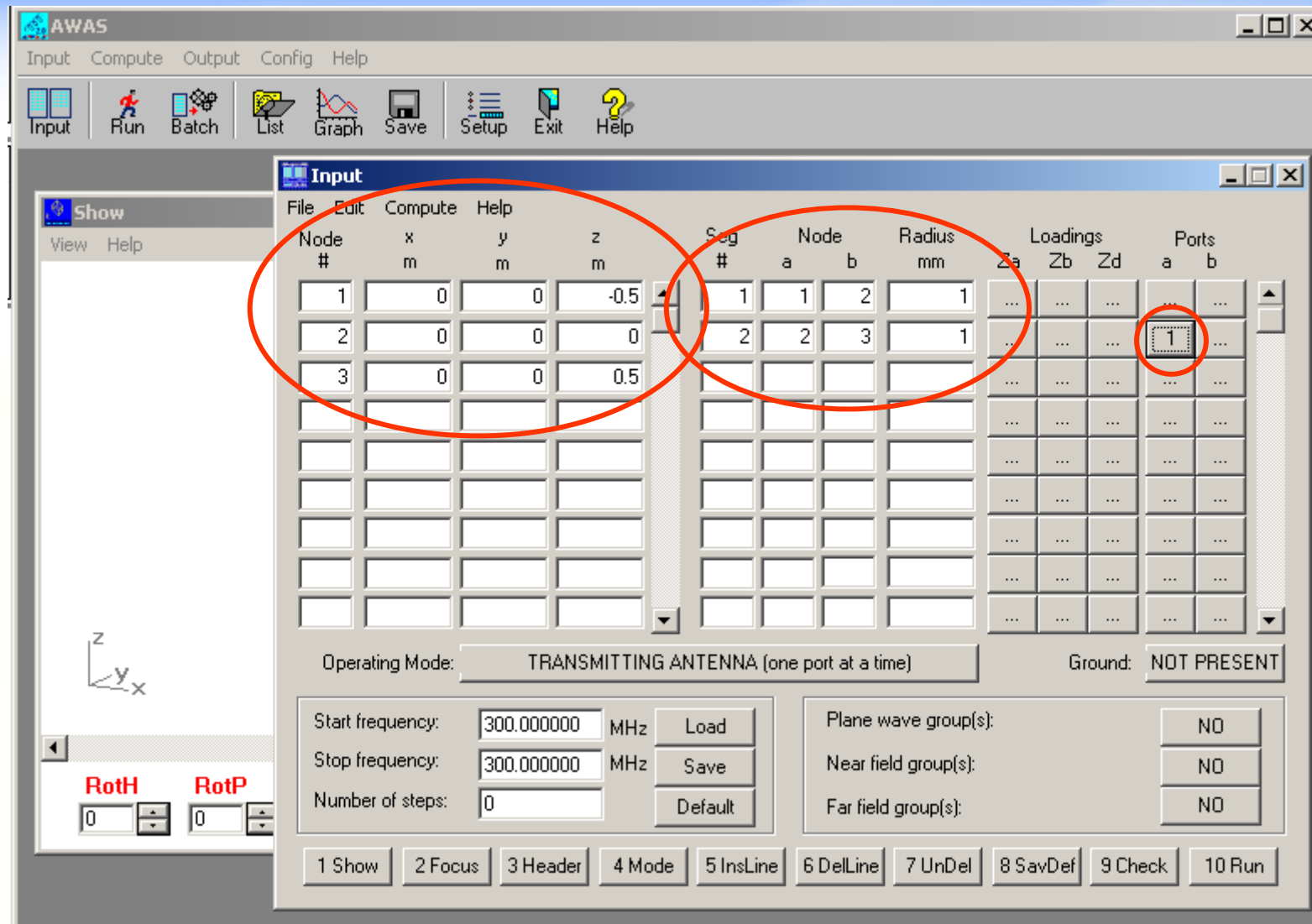
AWAS



Нови пројекат



Дипол антенна



Побудни генератор

Port Parameters

Port #

☒ Voltage Generator

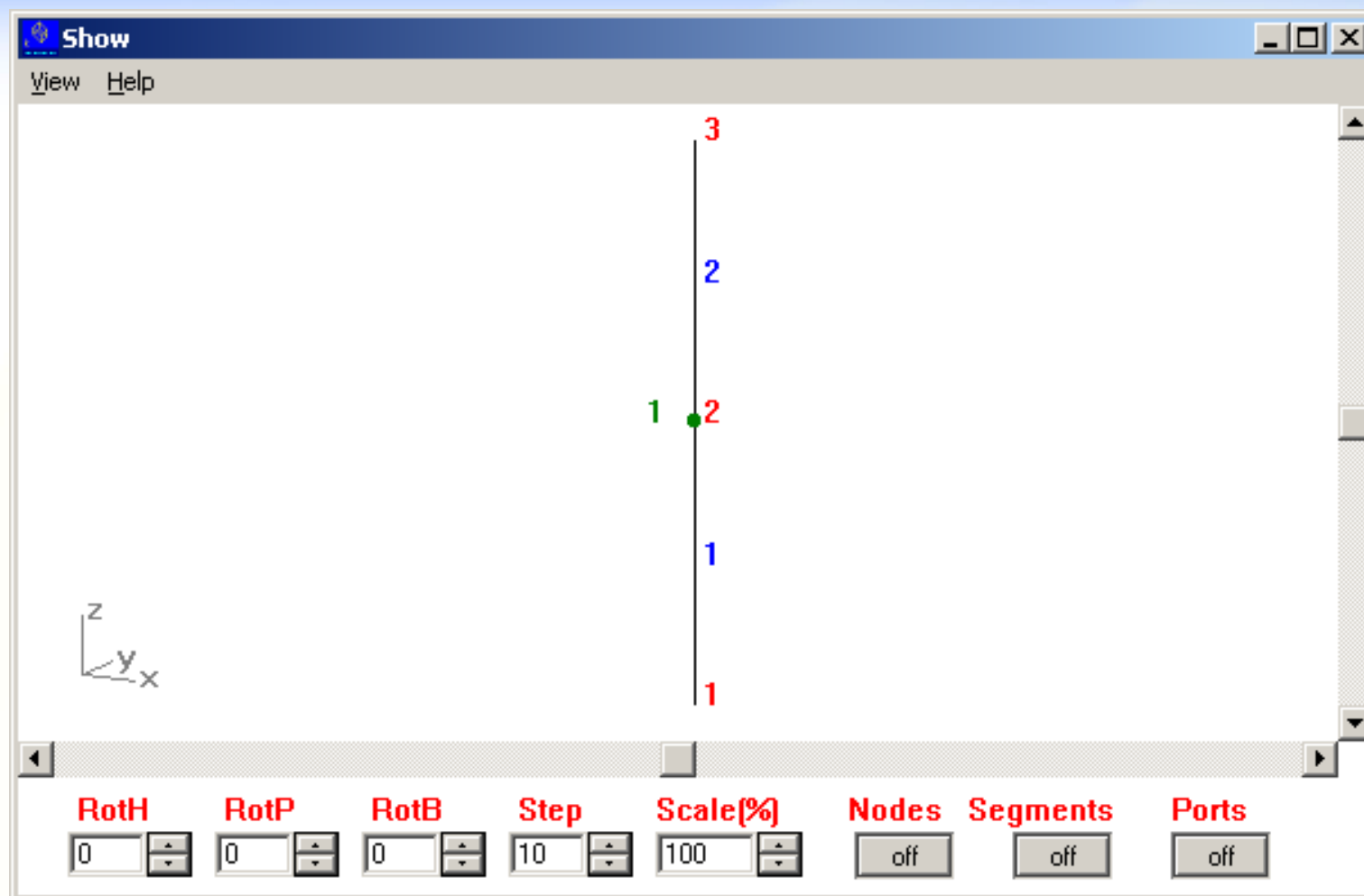
☐ Current Generator

☐ Matched Generator

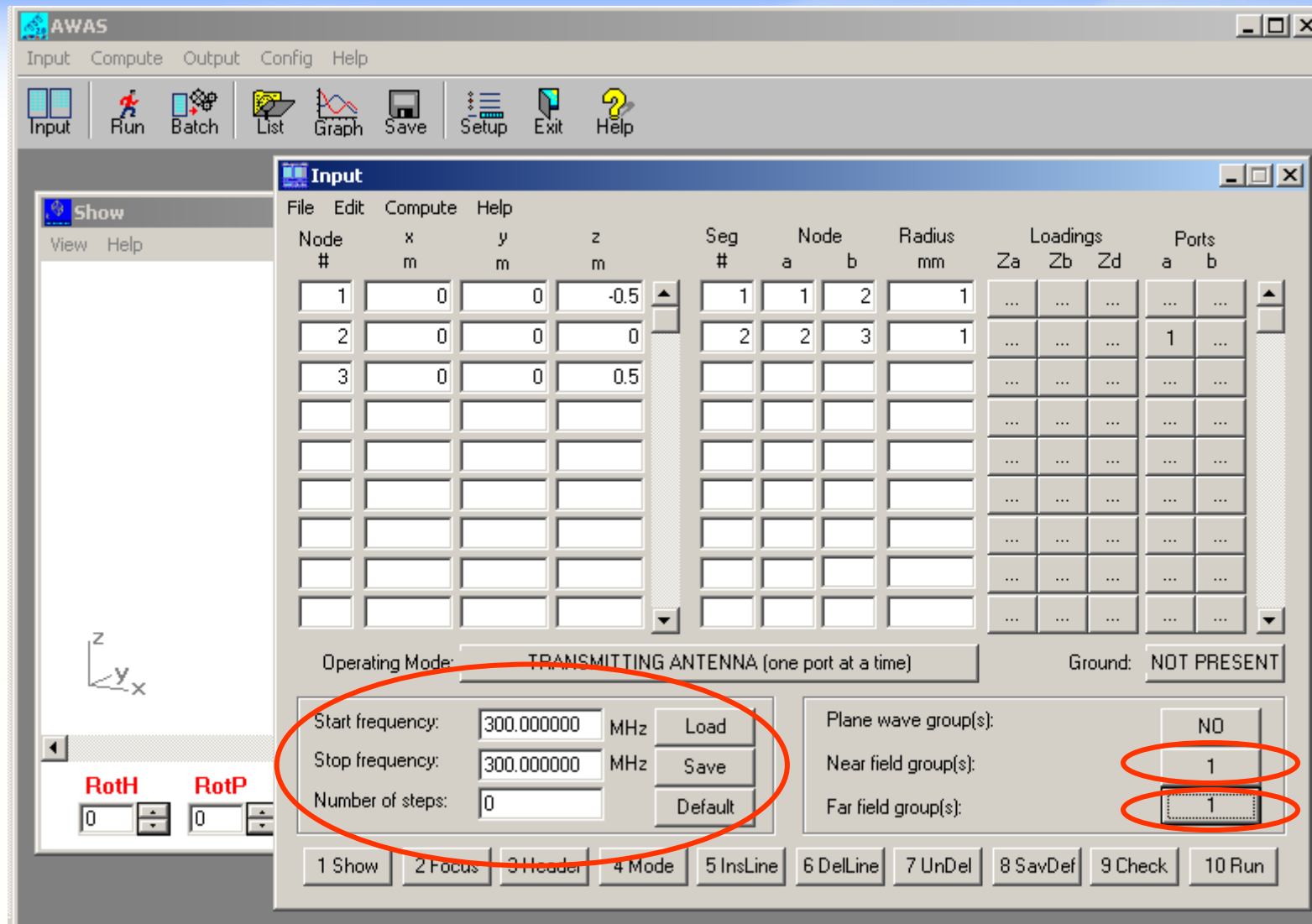
Real V Imag V

Zc Ω

Приказ структуре



Радна учестаност и резултати



Блиско поле

Near Fields

Number of Near Field Groups (Max 9)

#	xstart [m]	xstop [m]	xsteps	ystart [m]	ystop [m]	ysteps	zstart [m]	zstop [m]	zsteps
1	0.5	1	50	0.000000	0	0	0	0	0
2									
3									
4									
5									
6									
7									
8									
9									

OK

Cancel

Load...

Save...

Default

Help

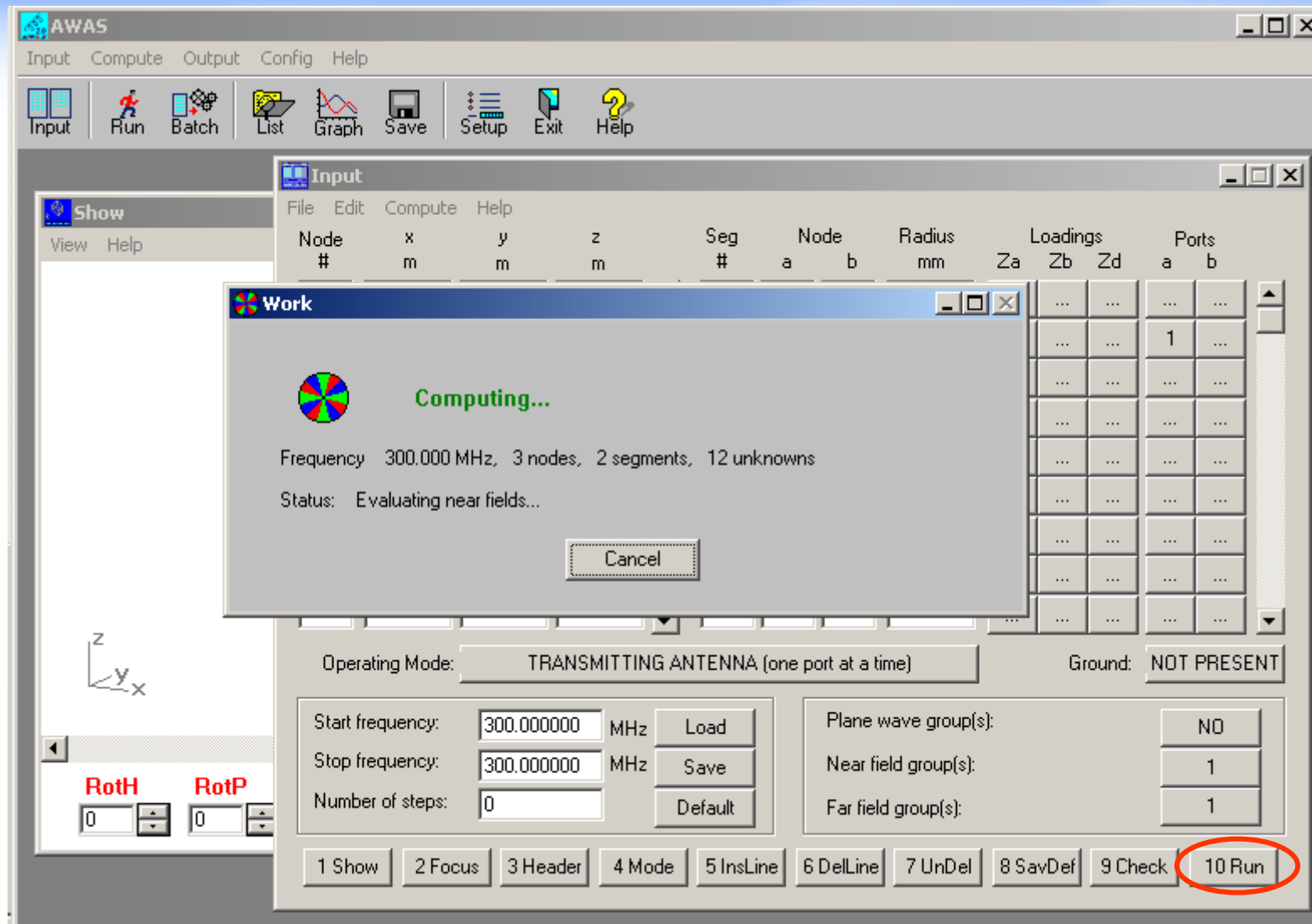
Далеко поле

Far Fields

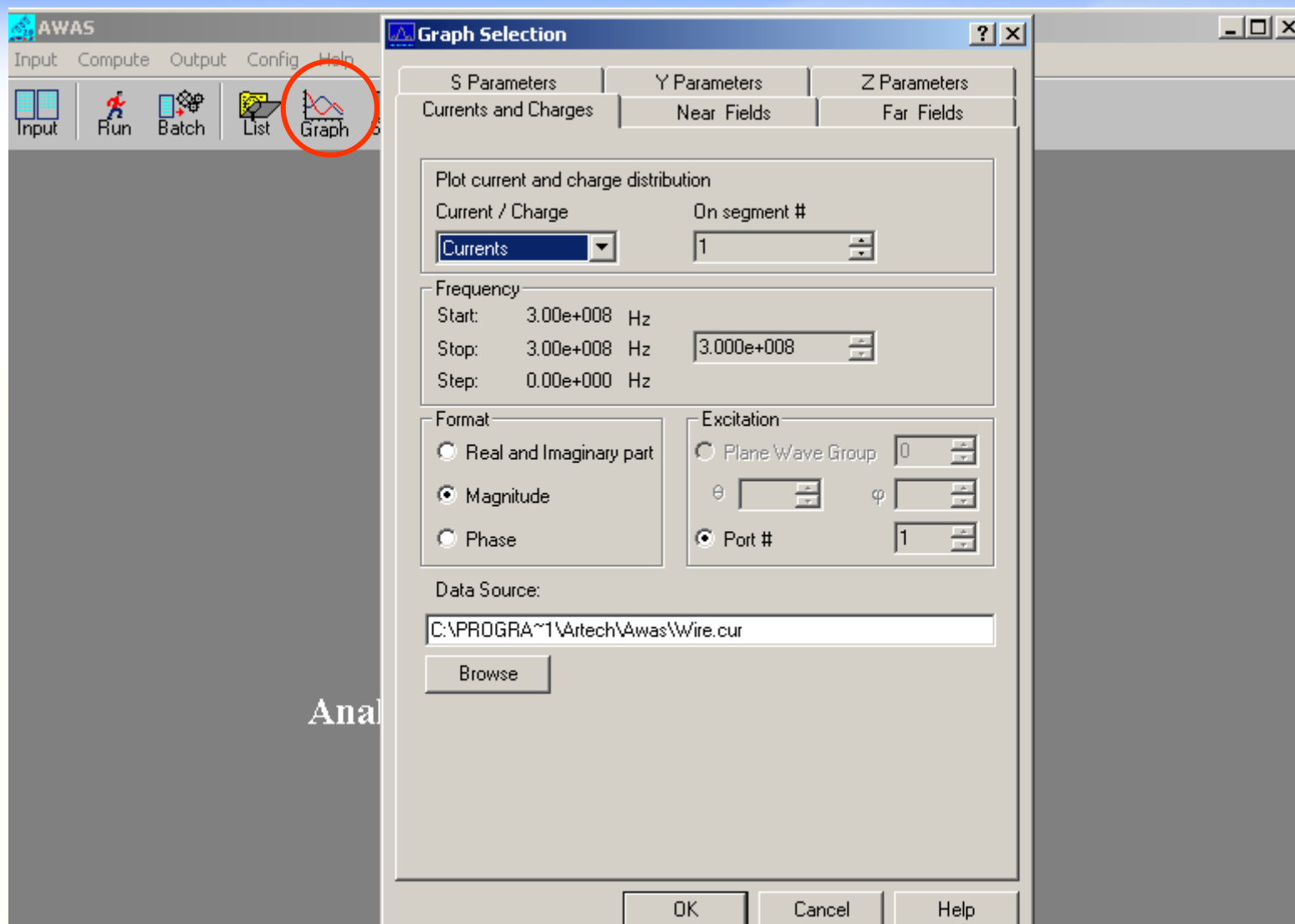
Number of Far Field Groups (Max 9)

#	θ start [°]	θ stop [°]	θ steps	φ start [°]	φ stop [°]	φ steps
1	0.000000	180.000000	30	-180.000000	180.000000	30
2						
3						
4						
5						
6						
7						
8						
9						

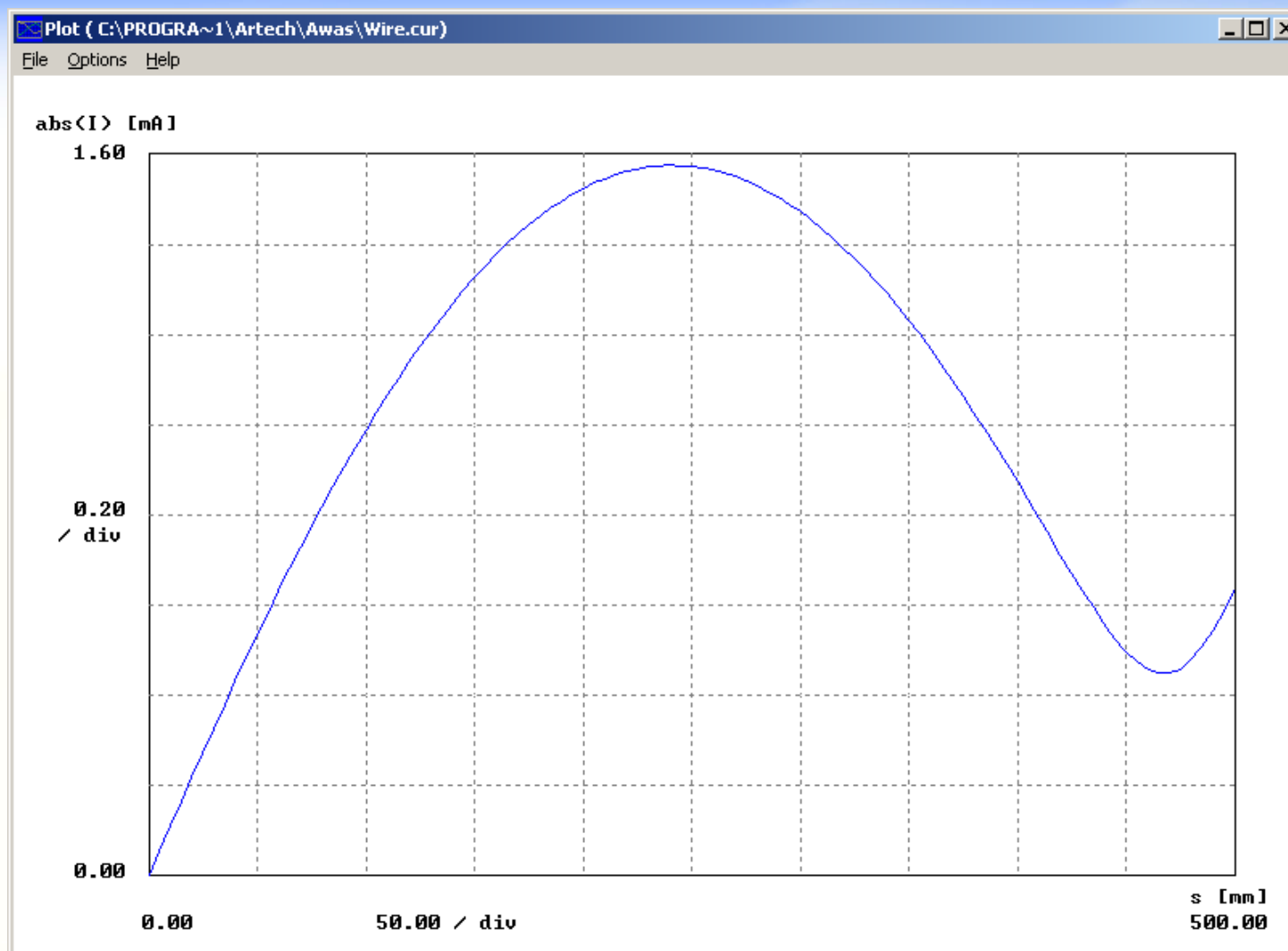
Симулација



Резултати симулације



Расподела струја



Блиско поле

Graph Selection [?] [X]

S Parameters Y Parameters Z Parameters
Currents and Charges Near Fields Far Fields

Plot Near Fields
E / H component
Ez

Variable:
☒ x ☐ y ☐ z

Near Field Group
Near Field Group 1

x 5.000e-001
y 0.000e+000
z 0.000e+000

Excitation
☐ Plane Wave Group 0
 θ ϕ
☒ Port # 1

Frequency
Start: 3.000e+008 Hz
Stop: 3.000e+008 Hz 3.000e+008 Hz
Step: 0.000e+000 Hz

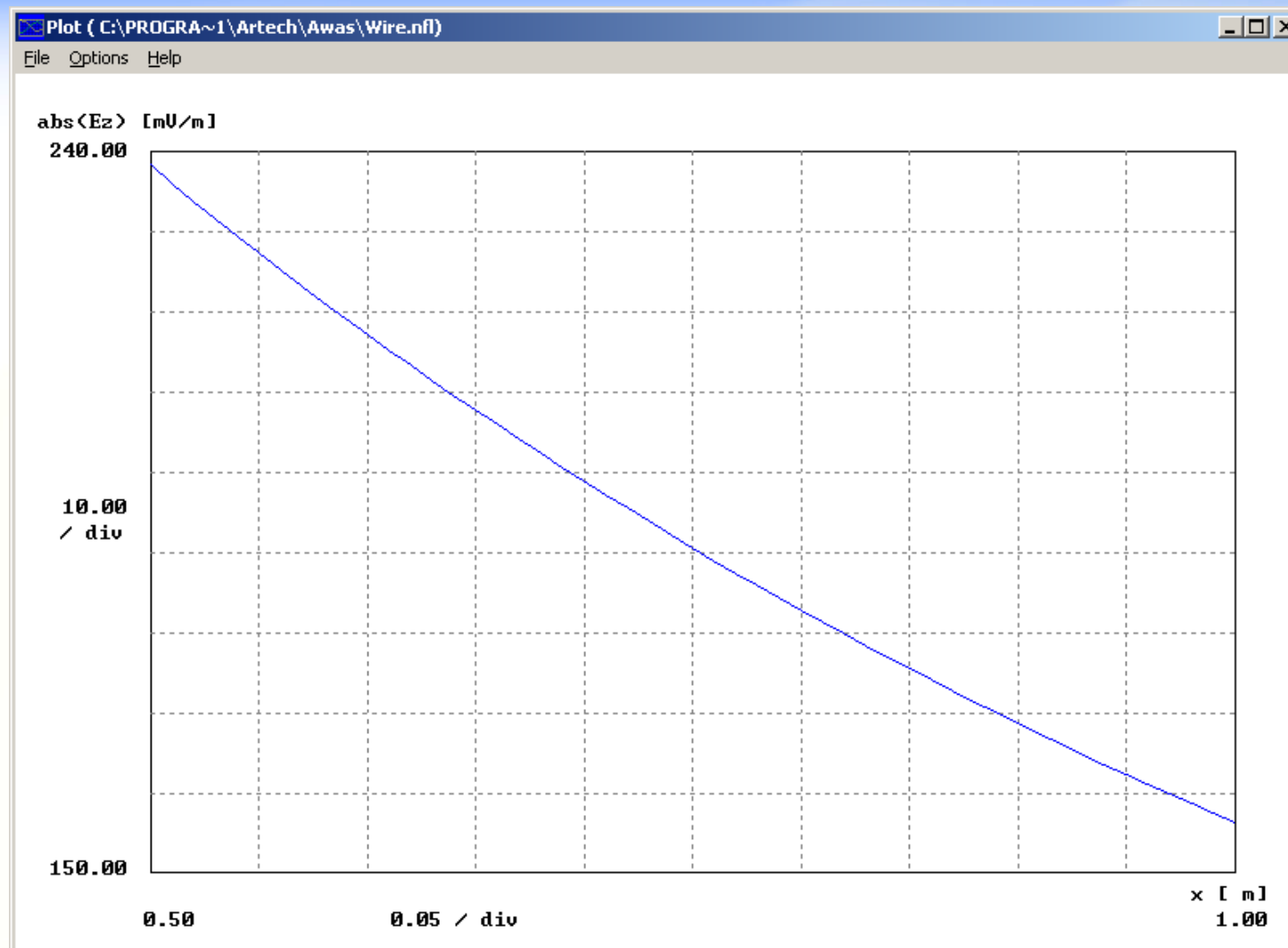
Format
☐ Real and Imaginary part
☒ Magnitude
☐ Phase

Data Source:
C:\PROGRA~1\Artech\Awave\Wire.nfl

Browse

OK Cancel Help

Блиско поле



Далеко поле

Graph Selection [?] [X]

S Parameters Y Parameters Z Parameters
Currents and Charges Near Fields Far Fields

Plot Far Fields
Electric Field / Gain
gain

Variable:
☐ frequency ☒ θ ☐ φ

Far Field Group
Far Field Group # 1

θ 0.000e+000
 φ -1.800e+002

Excitation
☐ Plane Wave Group # 0
 θ 0.00 φ 0.00
☒ Port # 1

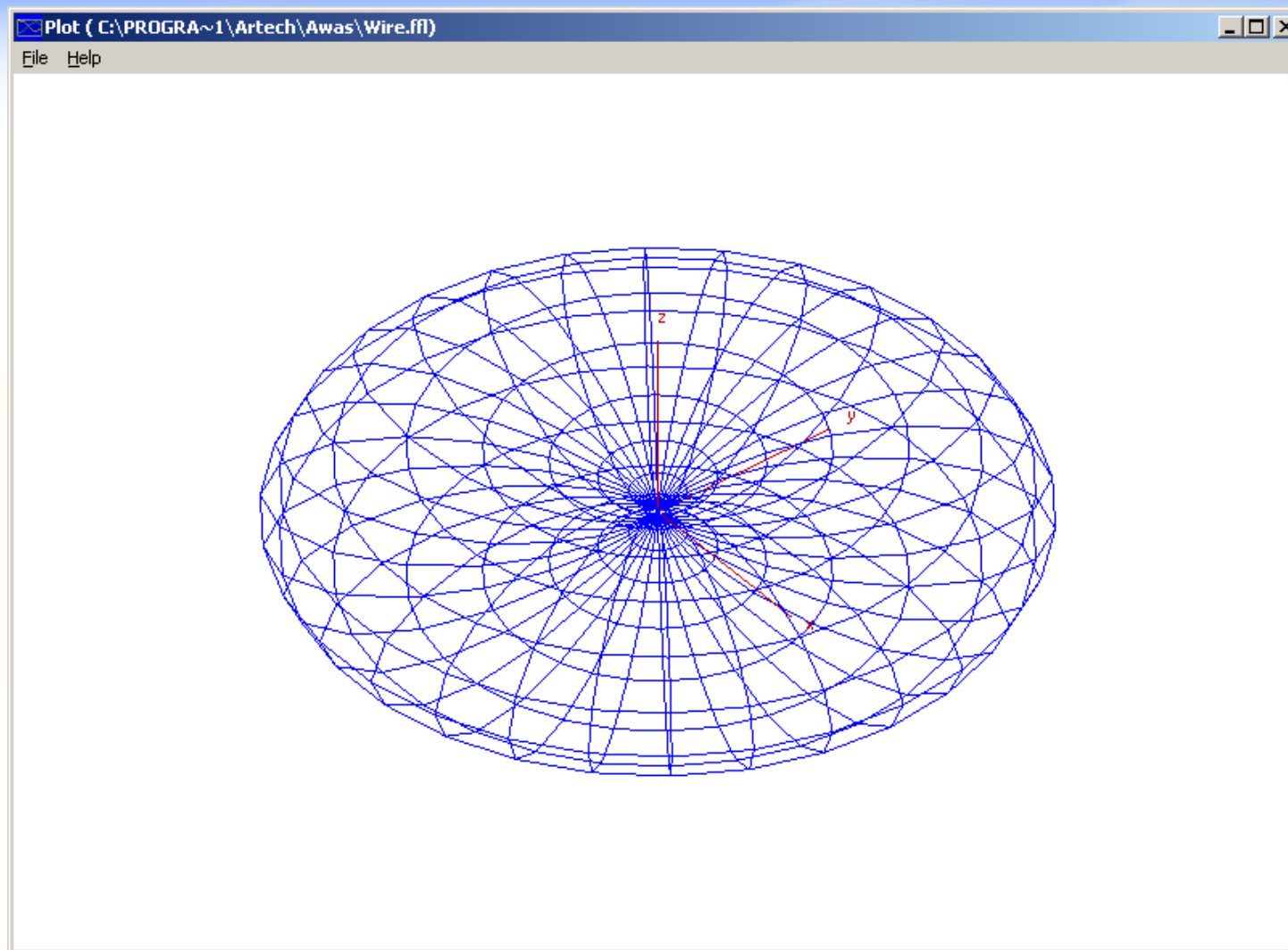
Frequency
Start: 3.000e+008 Hz
Stop: 3.000e+008 Hz 3.000e+008 Hz
Step: 0.000e+000 Hz

Format
☐ Real and Imaginary part ☐ Polar plot in dB
☐ Magnitude ☒ 3D Spherical
☐ Phase ☐ 3D Rectangular
☐ Magnitude in dB
☐ Polar plot

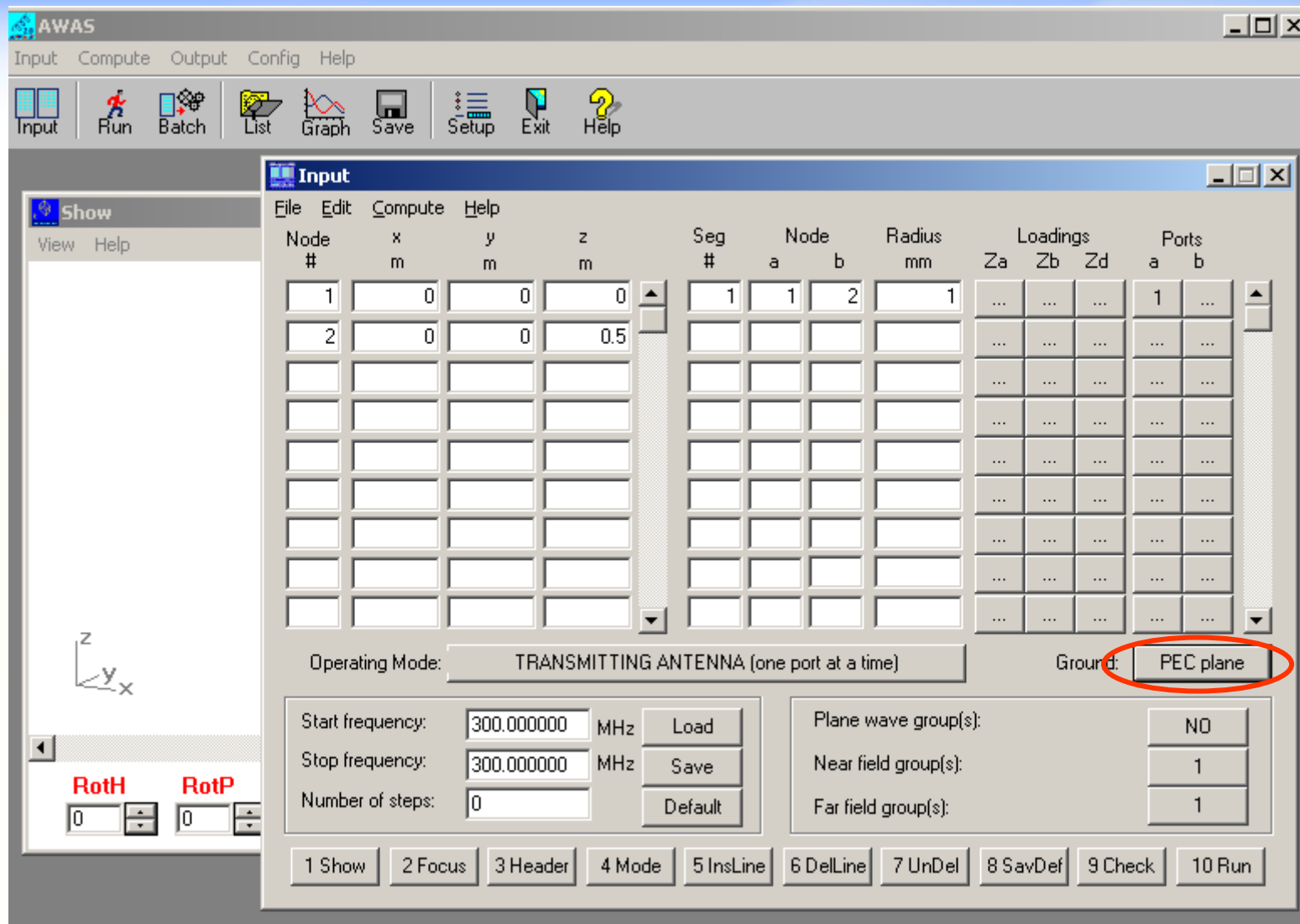
Data Source:
C:\PROGRA~1\Artech\Awave\Wire.fll
Browse

OK Cancel Help

3-D Дијаграм зрачења



Монопол изнад савршено проводне бесконачне равни



Додавање савршено проводне равни

Ground ✕

☐ Ground not present

☒ PEC plane

☐ Real ground, reflection coefficient

☐ Real ground, Sommerfeld's formulation

σ S/m ϵ_r

OK Cancel

Дијаграм зрачења монопола

