

Symbol/Variable with value or equation

Symbols

Symbols

Nr Symbols and equations

1 $\lambda=0.75$ 2 $L=0.25*\lambda$

3

Geometry

Source/Load

Freq./Ground

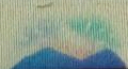
Others

comment

Scaling

☒ Meters ☐ Feet ☐ Inch ☐ Wave-length ☐ Custom Factor 1.0

Type here to search



Nifty bank +1.59%

ENG



EXAMPLE1.NEC - 4nec2 Edit

File Cell Rows Selection Options

Default straight line wire-element

Symbols

Geometry (Scaling=Meters)

Geometry

Source/Load

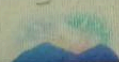
Freq./Ground

Others

Nr	Type	Tag	Segs	X1	Y1	Z1	X2	Y2	Z2	Radius	comment
1	Wire	1	31	0	0	-L/2	0	0	L/2	0.0001	Wire 1, 9 segments.



Type here to search



Nifty bank 1.59%

ENG

02:38 PM
25-04-2023

EXAMPLE1.NEC - 4nec2 Edit

File Cell Rows Selection Options

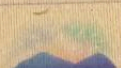
Standard Voltage source (Peak value)

Source(s)																Up	
Symbols				Geometry				Source/Load				Freq./Ground				Others	
Nr	Type	Tag	Seg	(opt)	Real	Imag	Magn	Phase	(norm)	comment							
1	Voltage-src	1	16	0	1	0	1	0	0	Voltage source (1+j0) at wire 1 seg							

☒ Show source ☐ Show h



Type here to search



Nifty bank +1.59%



ENG

02:38 PM
23-04-2025



Symbols

Geometry

Source/Load

Freq./Ground

Others

Frequency

Frequency Mhz
Nr steps
Stepsize ☐ Sweep

Environment

Ground /
Free-space
☐ Connect wire(s) for Z=0 to ground

Main ground

Ground type
Conductivity
Diel constant

☐ Use ground-screen
☐ Use second ground

Ground screen

Nr of radials
Radial length mtr
Wire radius mm

Second ground

Ground type
Conductivity
Diel constant
Distance mtr
Depth mtr
☐ Circular boundary
☐ Perpendicular to Y-axis



Type here to search



Nifty bank



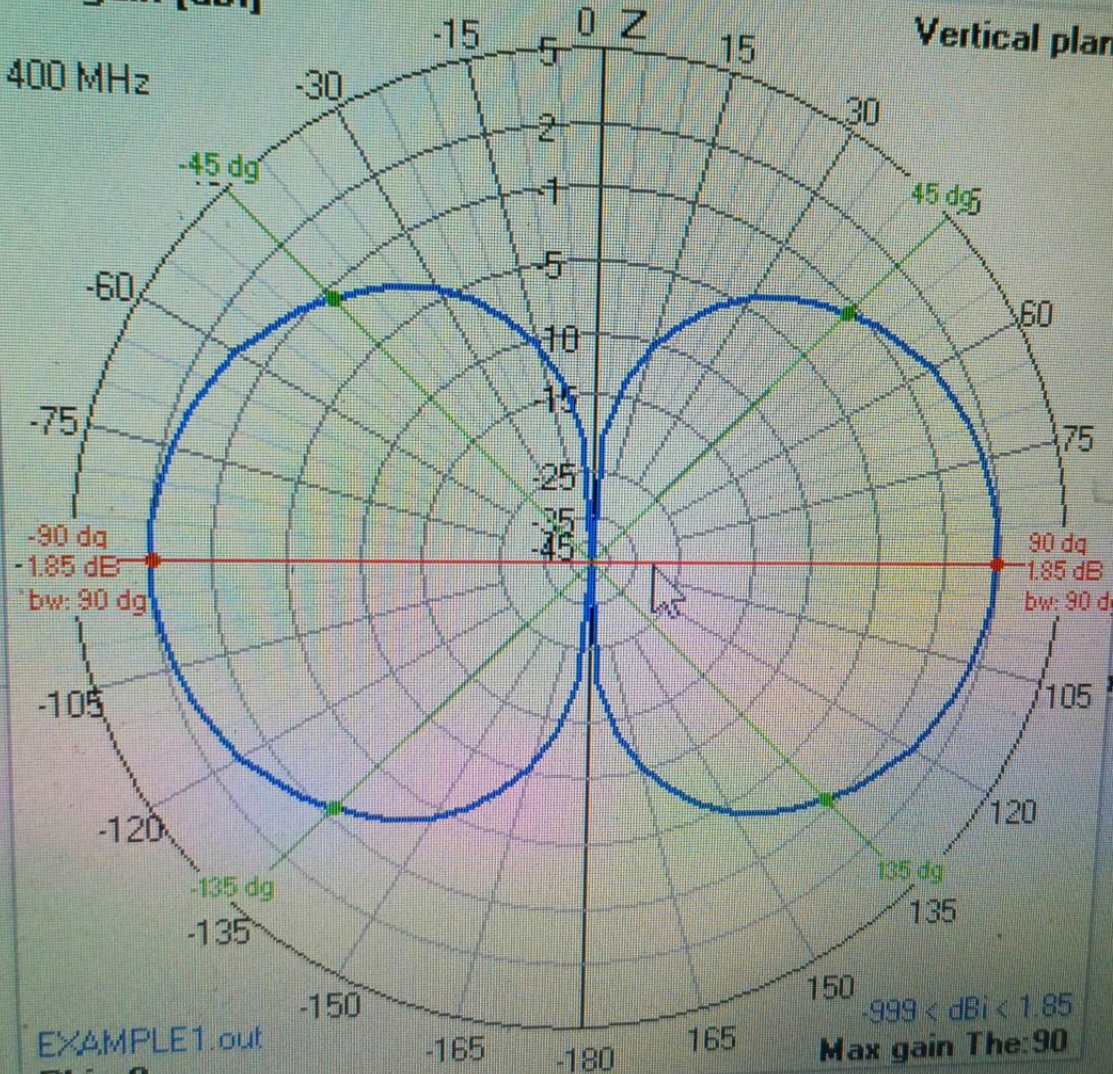
23-04-2018



Pattern (F4)

Show Far field Near field Compare Transfer Fftab Plot
 Tot-gain [dBi] Vertical plane

400 MHz



Symbol/Variable with value or equation

Symbols

Geometry

Source/Load

Freq./Group

Symbols

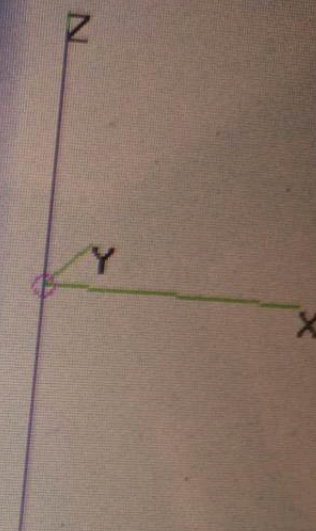
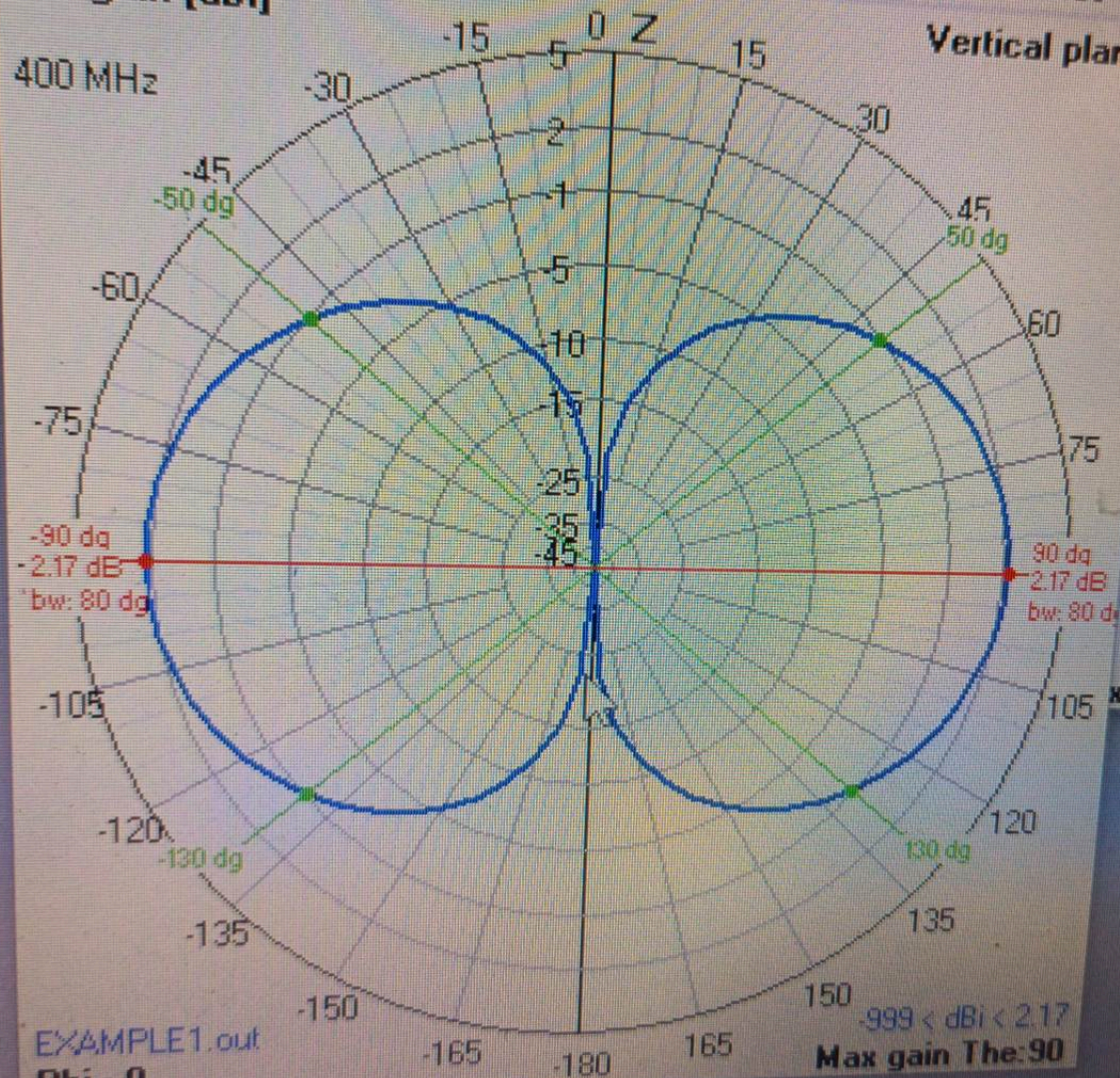
Nr	Symbols and equations	comment
1	$\lambda = 0.75$	
2	$L = 0.5 * \lambda$	

8.561	pF
2.143	pF
100	W
0	uW
0	uW
100	W

Polar

Pattern (F4)

Show Far field Near field Compare Transfer Fftab Plot
Tot-gain [dBi]
400 MHz
Vertical plane



p	count	step
80	73	5
60	73	5

EXAMPLE1.NEC - 4nec2 Edit (file changed)

File Cell Rows Selection Options

Symbol/Variable with value or equation

Symbols

Geometry

Source/Load

Symbols

Nr	Symbols and equations	comment
1	$\lambda = 0.75$	
2	$L = 0.75 \cdot \lambda$	

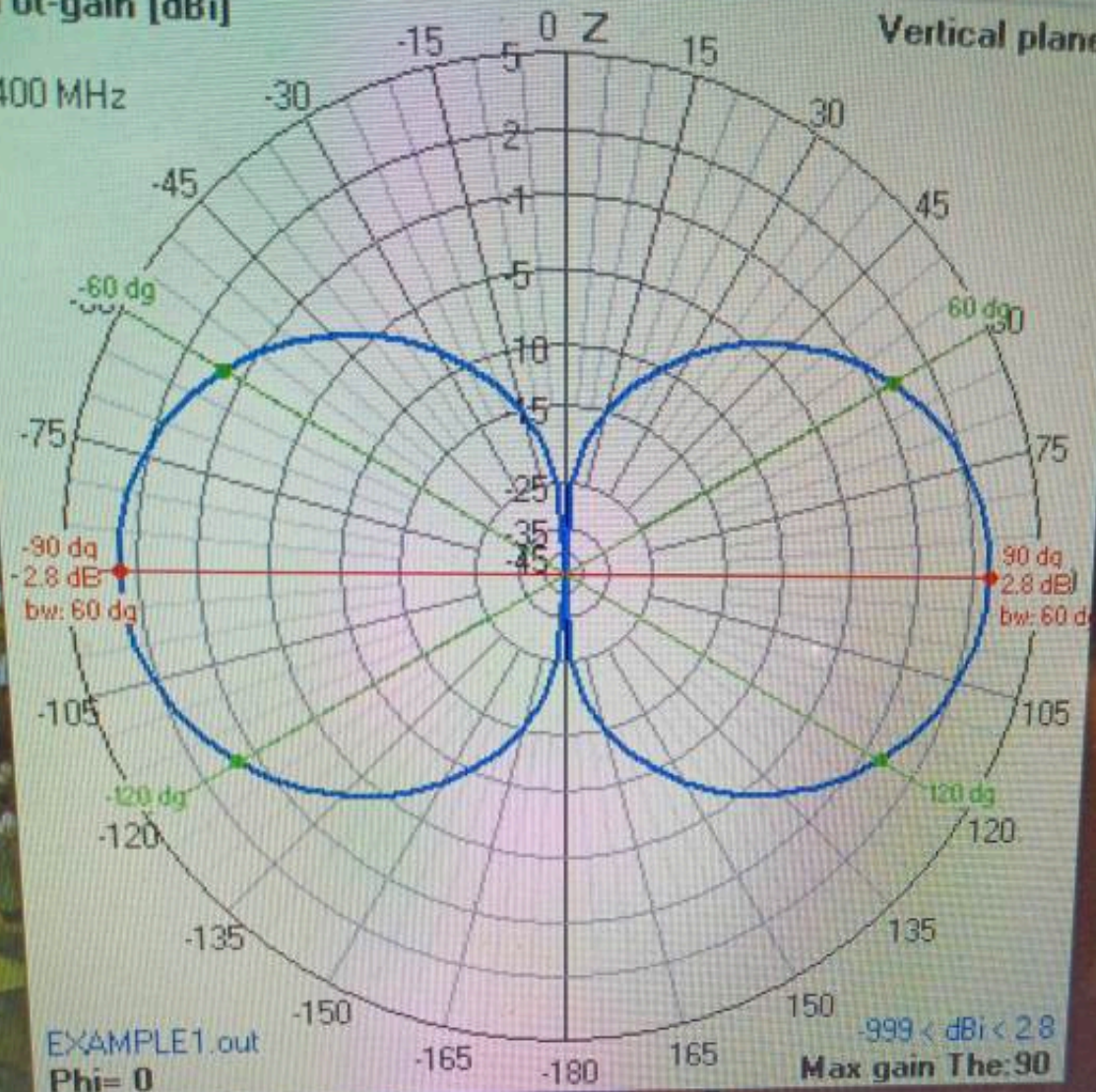
Pattern (F4)

Show Far field Near field Compare Transfer Fftab Plot

Tot-gain [dBi]

400 MHz

Vertical plane



EXAMPLE1.NEC - 4nec2 Edit

File Cell Rows Selection Options

Symbol/Variable with value or equation

Symbols

Geometry

Source/Load

Freq./Ground

Symbols

Nr	Symbols and equations	comment
1	$\lambda = 0.75$	
2	$L = \lambda$	
3		
4		
5		

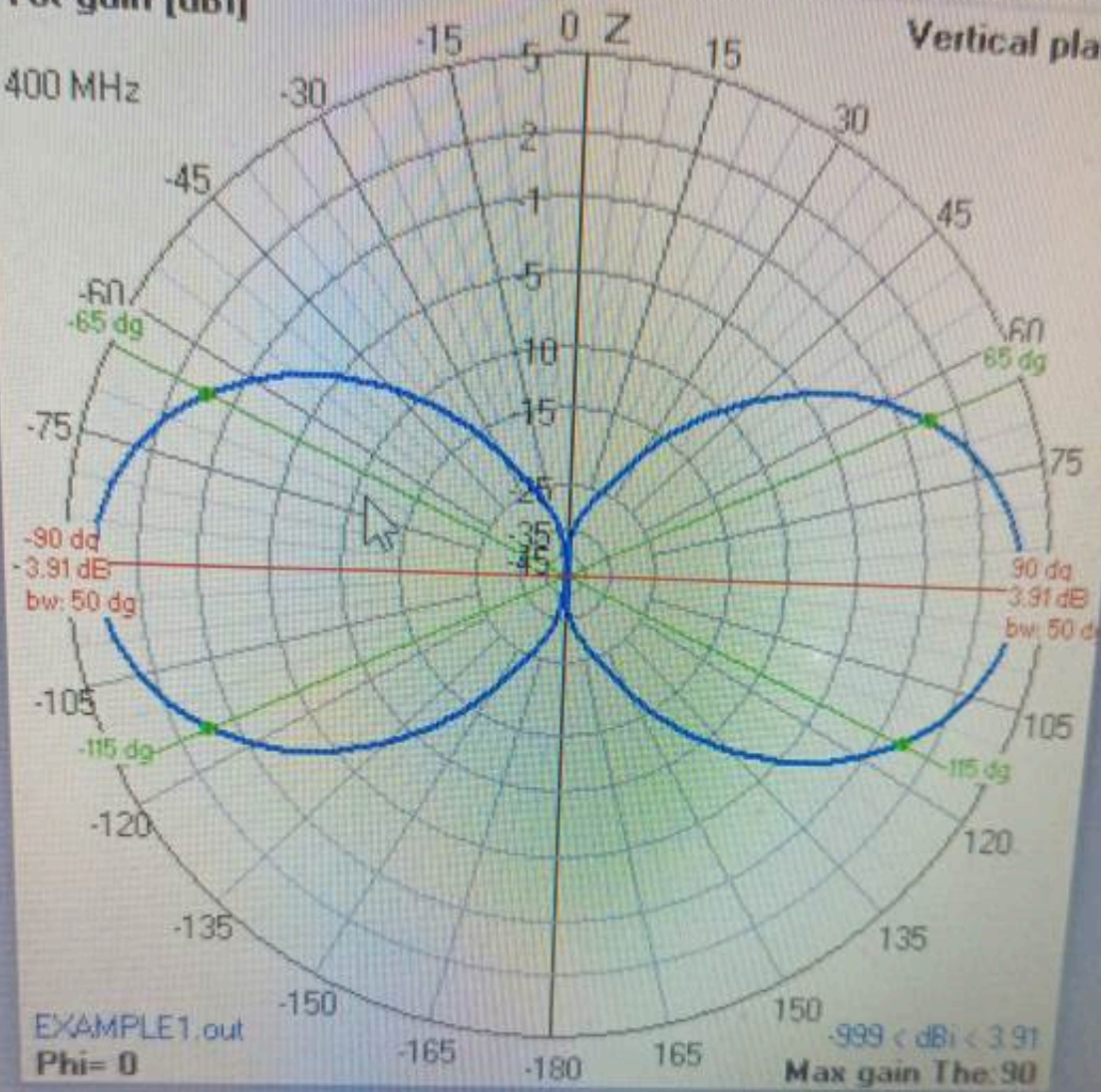
Pattern (F4)

Show Far field Near field Compare Transfer Fftab Plot

Tot-gain [dBi]

400 MHz

Vertical plane



Symbol/Variable with value or equation

Symbols

Geometry

Source/Load

Symbols

Nr	Symbols and equations	comment
1	$\lambda = 0.75$	
2	$L = 1.25 \lambda$	
3		
4		
5		
6		

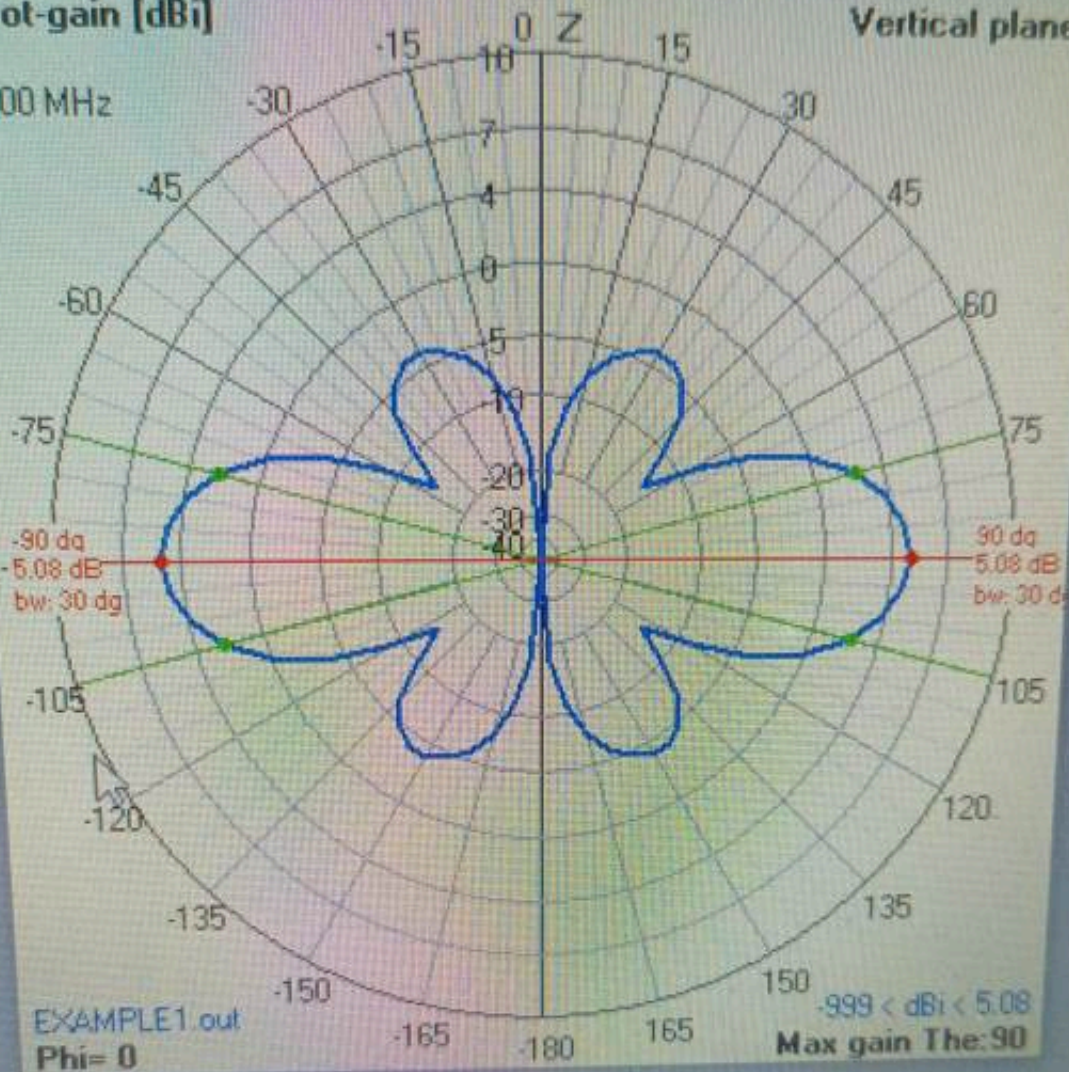
Pattern (F4)

Show Far field Nearfield Compare Transfer Fftab Plot

Tot-gain [dBi]

Vertical plane

400 MHz



Construction on from...

ENG

02:47 PM
23-04-2025