

Symbol/Variable with value or equation

Symbols

Nr Symbols and equations

1 lambda=1

2 r=0.01

3 h=0.23

Geometry

Source/Load

Freq./Ground

Others

Comment

comment

Scaling

☒ Meters ☐ Feet ☐ Inch ☐ Wave-length

☐ Custom Factor 1.0

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EXAMPLE1.NEC - 4nec2 Edit

File Cell Rows Selection Options

Wire/element radius (diameter/2)

Symbols

Geometry (Scaling=Meters)

Geometry

Source/Load

Freq /Ground

Others

Upd

Inc

Del

Comment

Use wire tapering

Nr	Type	Tag	Segs	X1	Y1	Z1	X2	Y2	Z2	Radius				comment
1	Wire	1	31	0	0	0	0	0	h					Wire 1, 9 segments.



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Standard Voltage source (Peak value)

Source[s]		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+0) at wire 1 seg			

Symbols

Geometry

Source/Load

Freq./Ground

Others

Connect

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

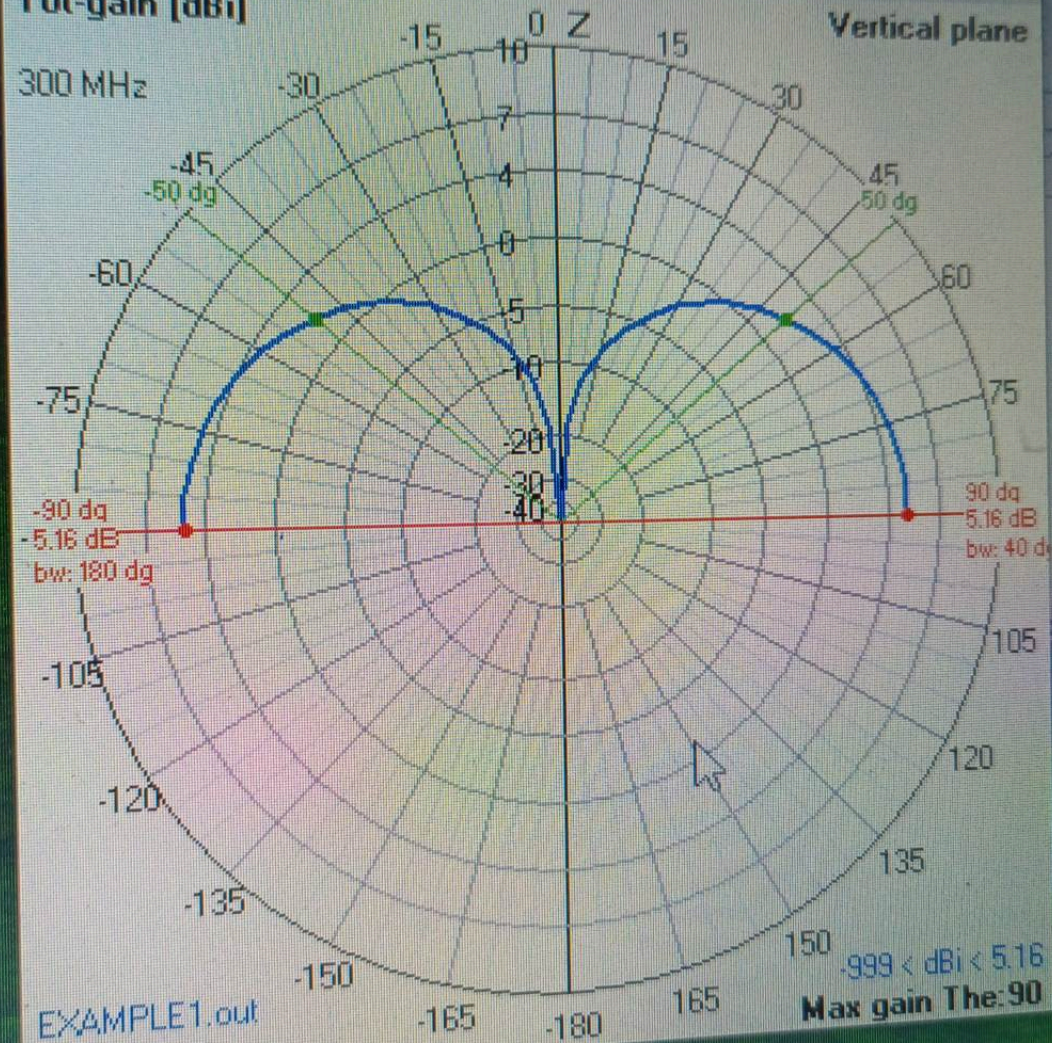
Pattern (F4)

Show Far field Near field Compare Transfer Fftab Plot

Tot-gain [dBi]

300 MHz

Vertical plane



EXAMPLE1.out
Phi= 0

axis : 0.2 mtr

Phi :

dB

5.16

3.86

2.5

1.04

-0.5

-2.2

-4

-5.9

-8

-10

-13

-16

-20

-24

-30

-40

-115

300 MHz

Axis: 0.1

Theta: 73

Phi: 35

< zoom >

Ident: Res

Rotc: Cal

☒ True rad

☐

☒ Axis

☒ Ground

☒ Surfaces

Structure

2D Mult-c

Tot-gain

☒ APRL style

Magnit

Quality

FPS Tr's

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