

Symbol/Variable with value or equation

Symbols

Geometry

Source/Load

Freq./Ground

Others

Nr Symbols and equations

1 lambda=1

comment

2 L=0.46*lambda

3 d=0.5*lambda

Scaling

☒ Meters ☐ Feet ☐ Inch ☐ Wave-length

☐ Custom Factor

1.0

EXAMPLE1.NEC - 4nec2 Edit

File Cell Rows Selection Options

End-2: Z coordinate

Symbols

Geometry (Scaling=Meters)

Geometry

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Others

Nr	Type	Tag	Segs	X1	Y1	Z1	X2	Y2	Z2	Radius	Source/Load	Freq./Ground	comment
1	Wire	1	31	-L/2	d/2	0	L/2	d/2	0	0.0001			Wire 1.9 segments.
2	Wire	2	31	-L/2	-d/2	0	L/2	-d/2	0	0.0001			Wire 1.9 segments.

Real part of peak-voltage/current in Volts/Amperes.

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	180	0		Voltage source (1+j0) at wire 1 seg			
2	Voltage-src	2	16	0	-1	0	1	0	0		Voltage source (1+j0) at wire 1 seg			

☒ Show source



Type here to search



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Frequency

Frequency 300 Mhz

Nr steps ☐ Sweep

Stepsize

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



Dog loves to jump wi...



ENG



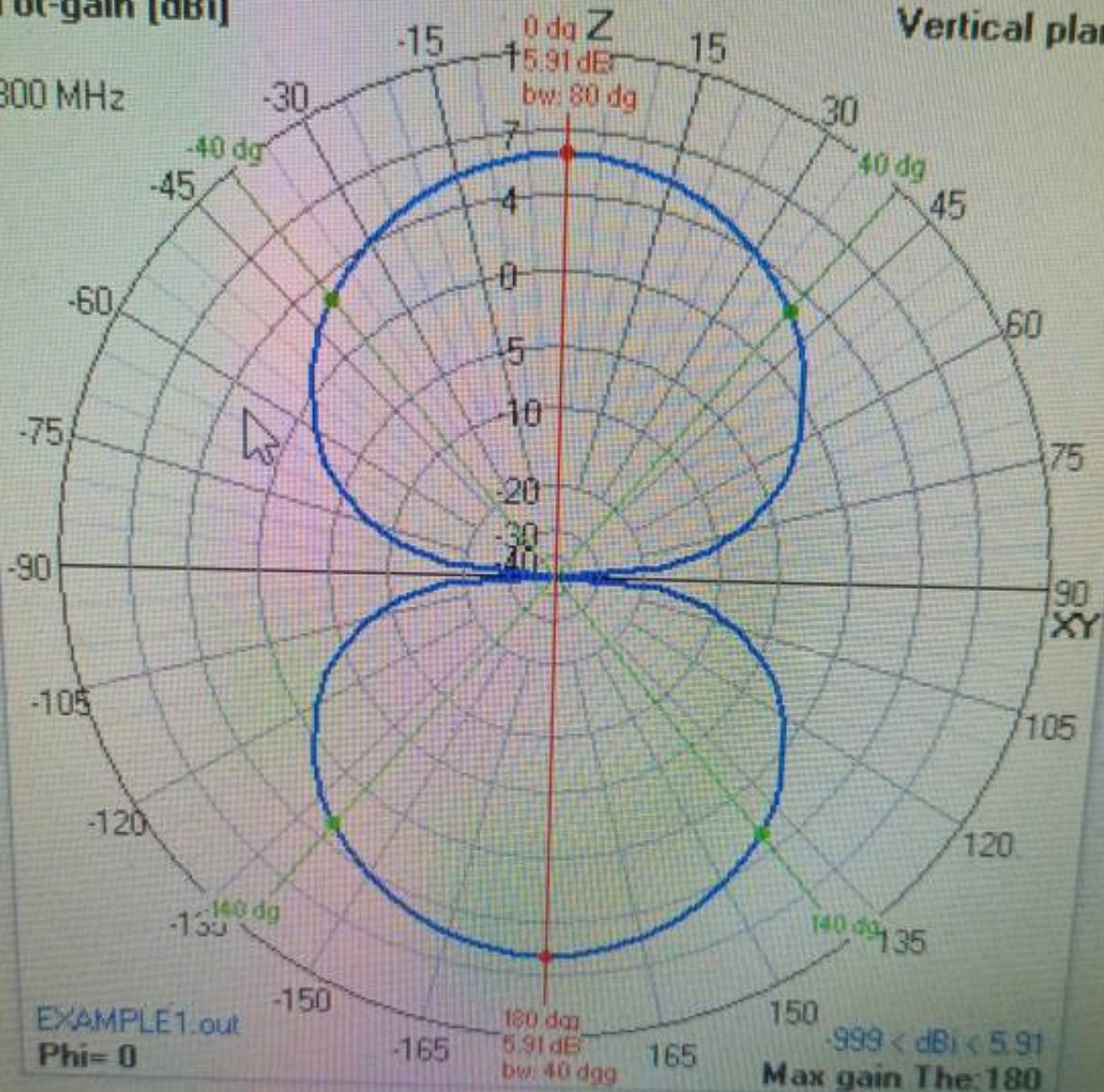
Pattern (F4)

Show Far field Near field Compare Transfer Fftab Plot

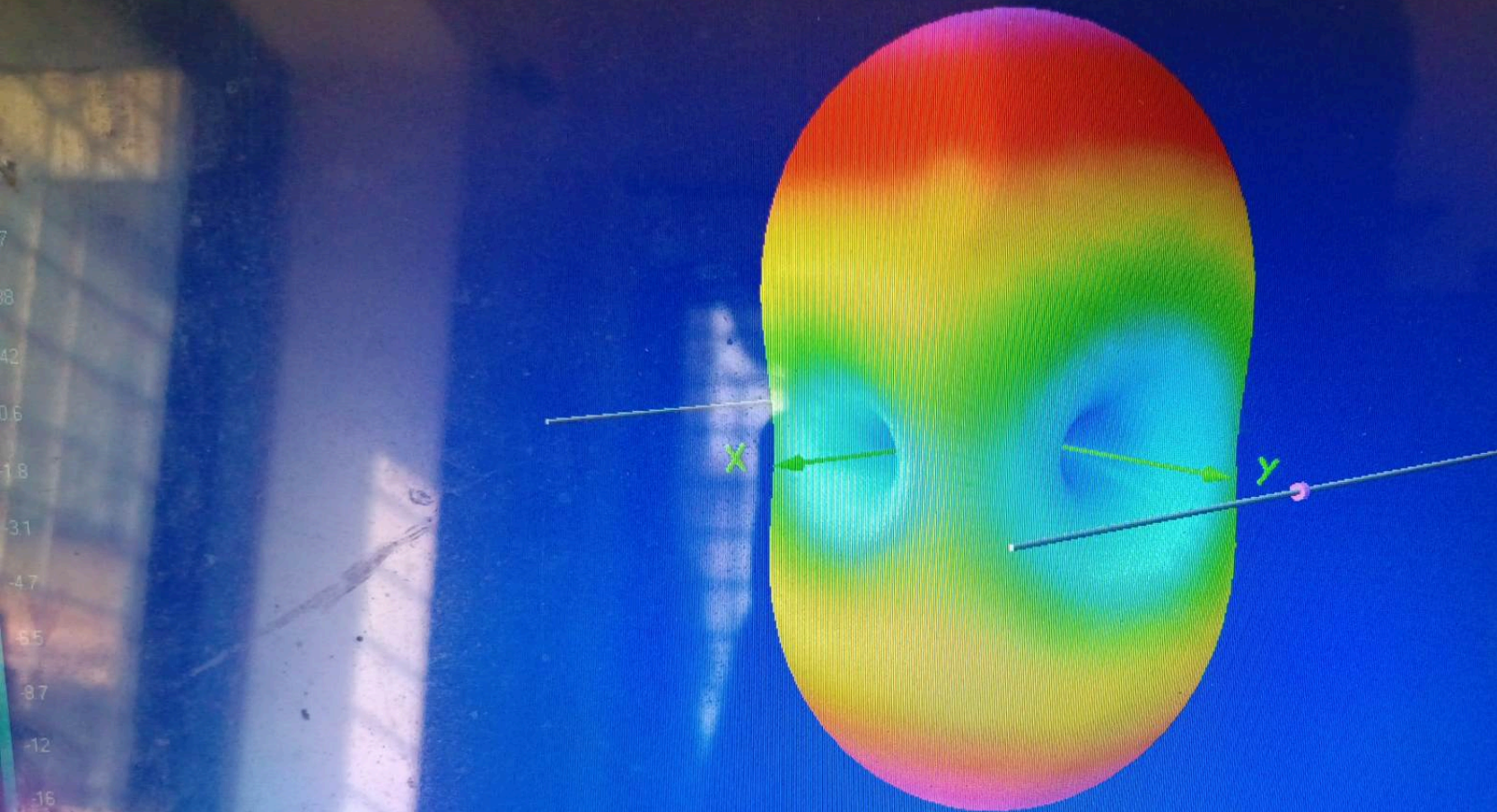
Tot-gain [dBi]

Vertical plane

300 MHz



7
8
42
0.6
18
31
47
55
87
12
16
54



Type here to search



Dog loves to jump wi...



Symbols

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Source/Load

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Other

Source(s)

Nr	Type	Tag	Seg	(opt)	Real	Imag	Magn	Phase	(norm)	comment
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Type here to search



33°C Sunny



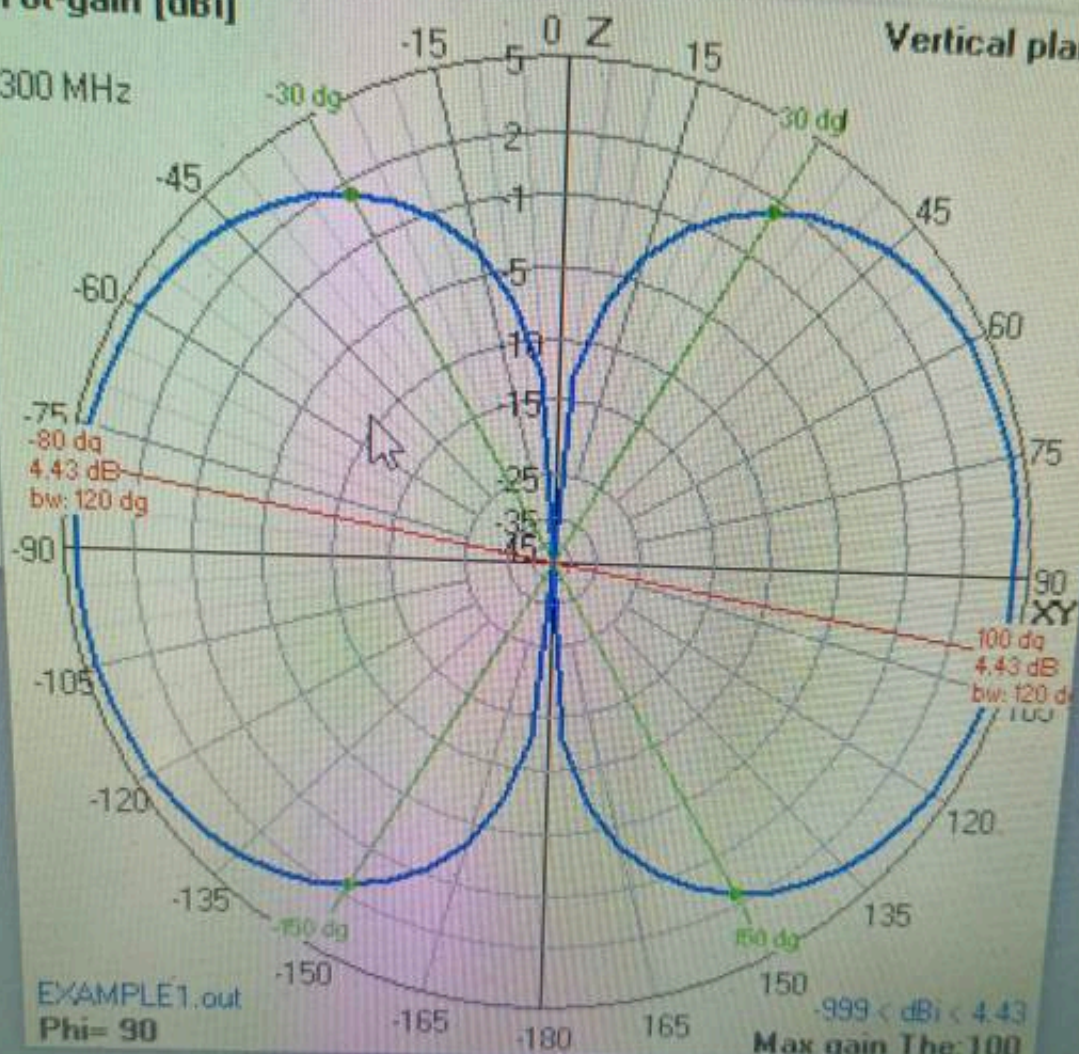
8 Pattern (F4)

Show Far field Near field Compare Transfer Fftab Plot

Tot-gain [dBi]

Vertical plane

300 MHz



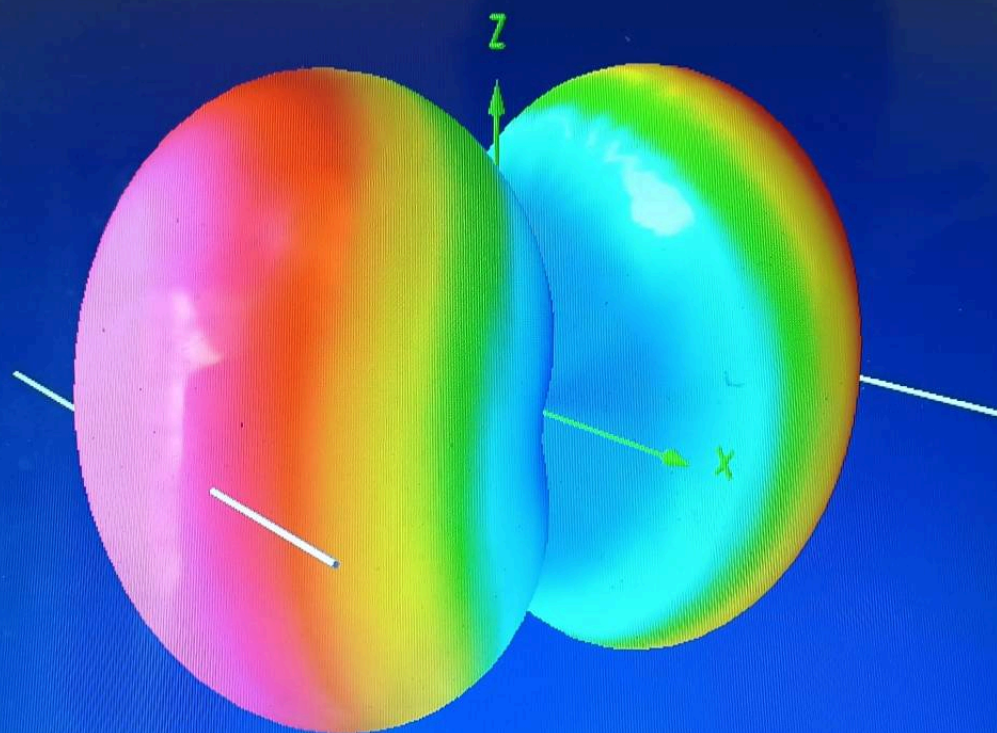
33°C Sunny



ENG

06:34 PM

23-04-2025



7
71
0
0.8
-1.7
-2.7
-3.9
-5.5
-7.5
-11
-36



Type here to search



33°C Sunny



04:34
23-04-

