

EXAMPLE1.NEC - 4nec2 Edit

File Cell Rows Selection Options

Symbol/Variable with value or equation

Symbols		Geometry	Source/Load	Freq./Ground	Others	Upd	Ins	Del
Symbols								
Nr	Symbols and equations	comment						

1	lambda=1							
2	D=lambda/10							

Scaling

☒ Meters

☐ Feet

☐ Inch

☐ Wave-
length

☐ Custom Factor

1.0



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[illegible]

Magnitude of peak-voltage/current in Volts/Amperes

Source(s)					Source/Load					Freq./Ground		Others		Upd		Ins		De	
Nr	Type	Tag	Seg	(opt)	Real	Imag	Magn	Phase	(norm)										
1	Voltage-src	1	1	0	1	0	1	0	0										
										comment									
										Voltage source (1+j0) at wire 1 ser									

☒ Show source ☐ Show loads ☐ Comment

EXAMPLE1.NEC - 4nec2 Edit

File Cell Rows Selection Options

Symbols

Geometry

Source/Load

Freq./Ground

Others

Upd

Inv

Comment

Frequency

Frequency 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



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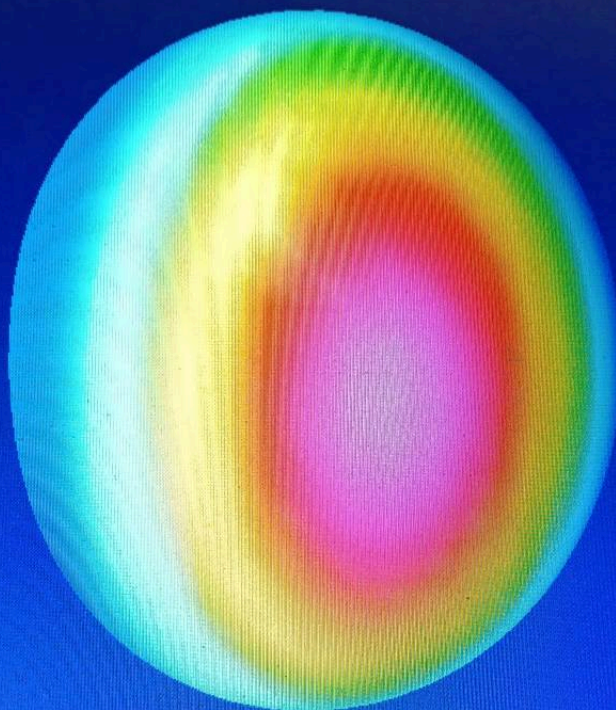
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ver (F9) [EXAMPLE1.out]

5
5
45
4
34
1.28
1.21
1.14
1.06
0.97
0.87
0.75
0.62
0.45
0.23
-0.1
-2.9



300 MHz
Axis 0.05 m
Theta Phi
82 350
< zoom >
Ident Res
Rotc Col
☐ True rad
☒ Axis
☒ Ground
☒ Surfaces
Structure
Multi-colo
Tot-gain
☒ ARRL style
Magnitud

Quality
FPS Tris
60 6432

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Symbol/Variable with value or equation

Symbols		Geometry	Source/Load	Freq./Ground
Nr	Symbols and equations	comment		
1	$\lambda=1$			
2	$D=\lambda/8$			

Scaling

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

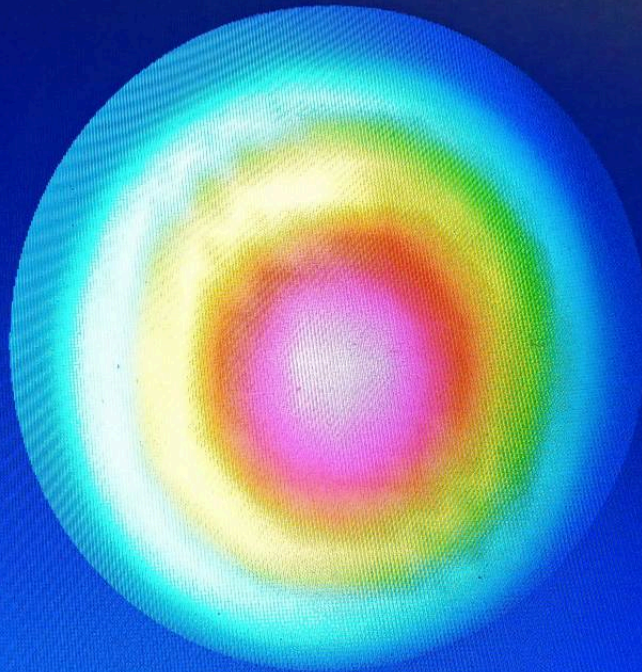


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dB_i

1.47
1.44
1.41
1.37
1.34
1.3
1.26
1.21
1.16
1.11
1.04
0.97
0.89
0.78
0.64
0.42
-1.3



300 M

Axis 0.05 m

Theta Phi

83 359

< zoom >

Ident Res

Rotc Col

☐ True rad

< >

☒ Axis

☒ Ground

☒ Surfaces

Structure

Multi-cho

Tot-gain

☒ ARRL style

Magnitud

Quality

< >

FPS Tr's

61 6432



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Symbol/Variable with value or equation

Symbols		Geometry	Source/Load	Freq./Ground	Others	Upd	Ins	Comment
Nr	Symbols and equations	comment						
1	lambda=1							
2	D=lambda/4							
3								
4								

Scaling

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



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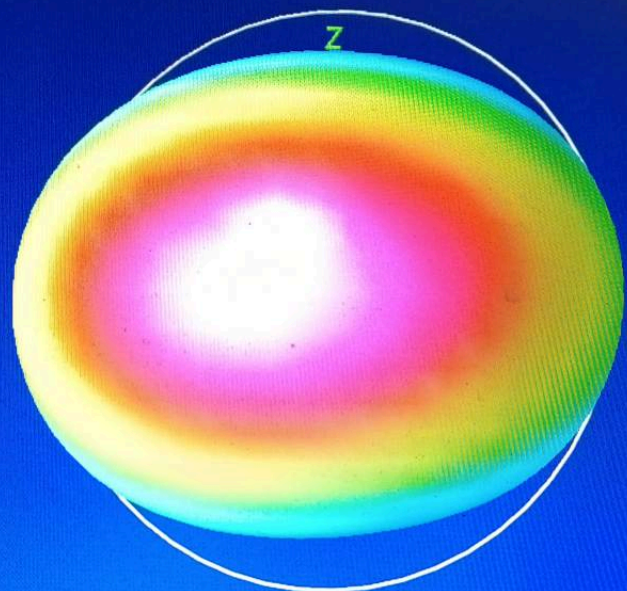
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3D Viewer (F9) [EXAMPLE1.out]

dB
2.53
2.41
2.28
2.15
2.01
1.85
1.69
1.51
1.31
1.09
0.84
0.56
0.22
-0.2
-0.7
-1.6
-8.6



300 Mhz
Axis 0.1 mtr
Theta Phi
92 282
< zoom >
Ident Ren
Rotc Col
☐ True rad.
Structure
Multi-cto
Tot-gain
☒ ARRL style
Magnitude

Quality
FPS Tr's
60 6432

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Type here to search



Symbol/Variable with value or equation

Symbols		Geometry	Source/Load	Freq./Ground	Others	Upd	Ins	Comme
Nr	Symbols and equations	comment						
1	lambda=1							
2	D=lambda/2							
3								
4								

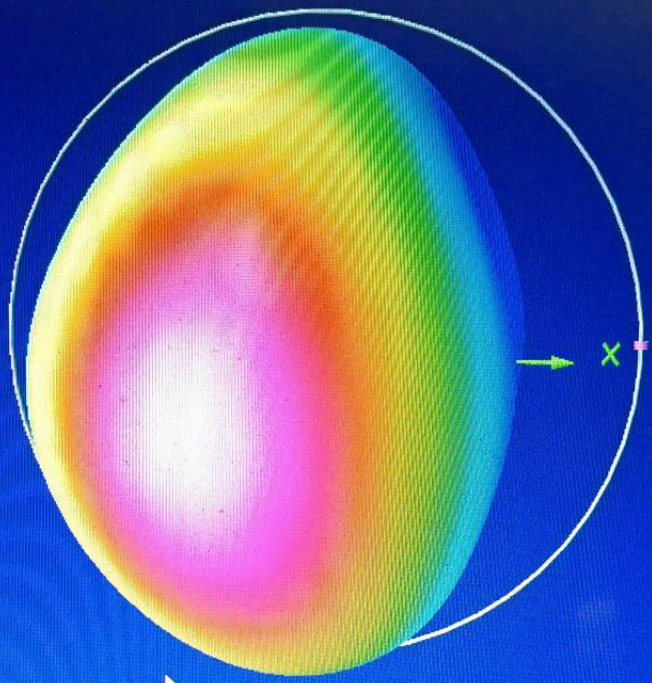
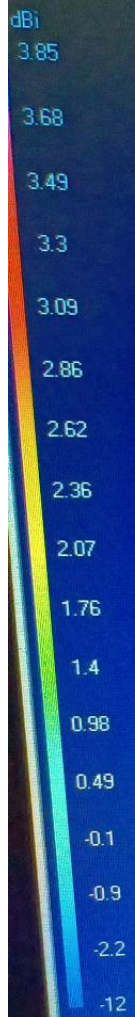
Scaling

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



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300 MHz

Axis 0.2 m

Theta Phi

80 280

< zoom >

Ident Res

Plot Col

☐ True rad.

☒ Axis

☒ Ground

☒ Surfaces

Structure

Multi-plot

Tot-gain

☒ ARRL style

Magnitude

Quality

FPS Tris

60 6432



Symbol/Variable with value or equation

Symbols		Geometry	Source/Load	Freq./Ground	Others
Nr	Symbols and equations	comment			
1	lambda=1				
2	D=lambda				
3					
4					

Scaling

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

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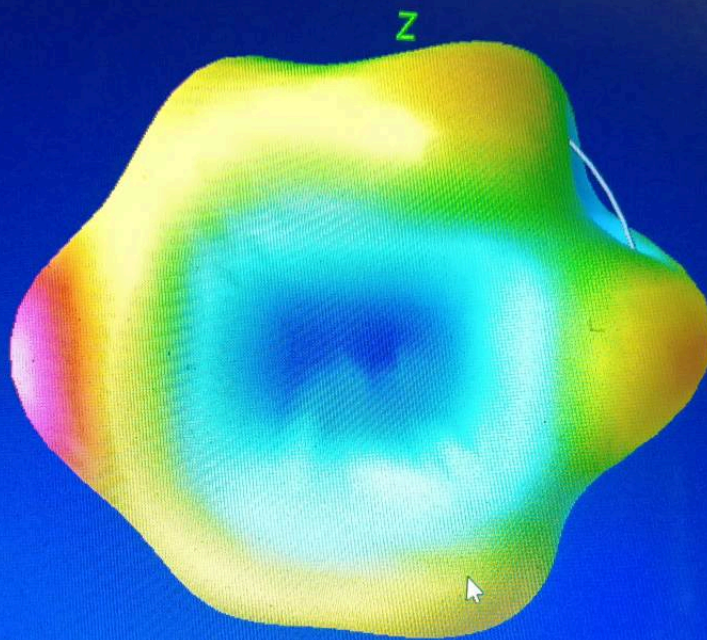
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dB

4.14
3.85
3.55
3.23
2.89
2.52
2.13
1.7
1.23
0.7
0.11
-0.6
-1.4
-2.4
-3.7
-5.7
-22



300
Axis 0
Theta
80
< zoom
Ident
Rotc
True ra
Axis
Ground
Surfaces
Structure
Multi-cho
Tot-gan
ARRL style
Magnitud

Quality
FPS 60
Tn's 6432

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