



EZNEC v. 5.0



File Edit Options Outputs Setups View Utilities Help

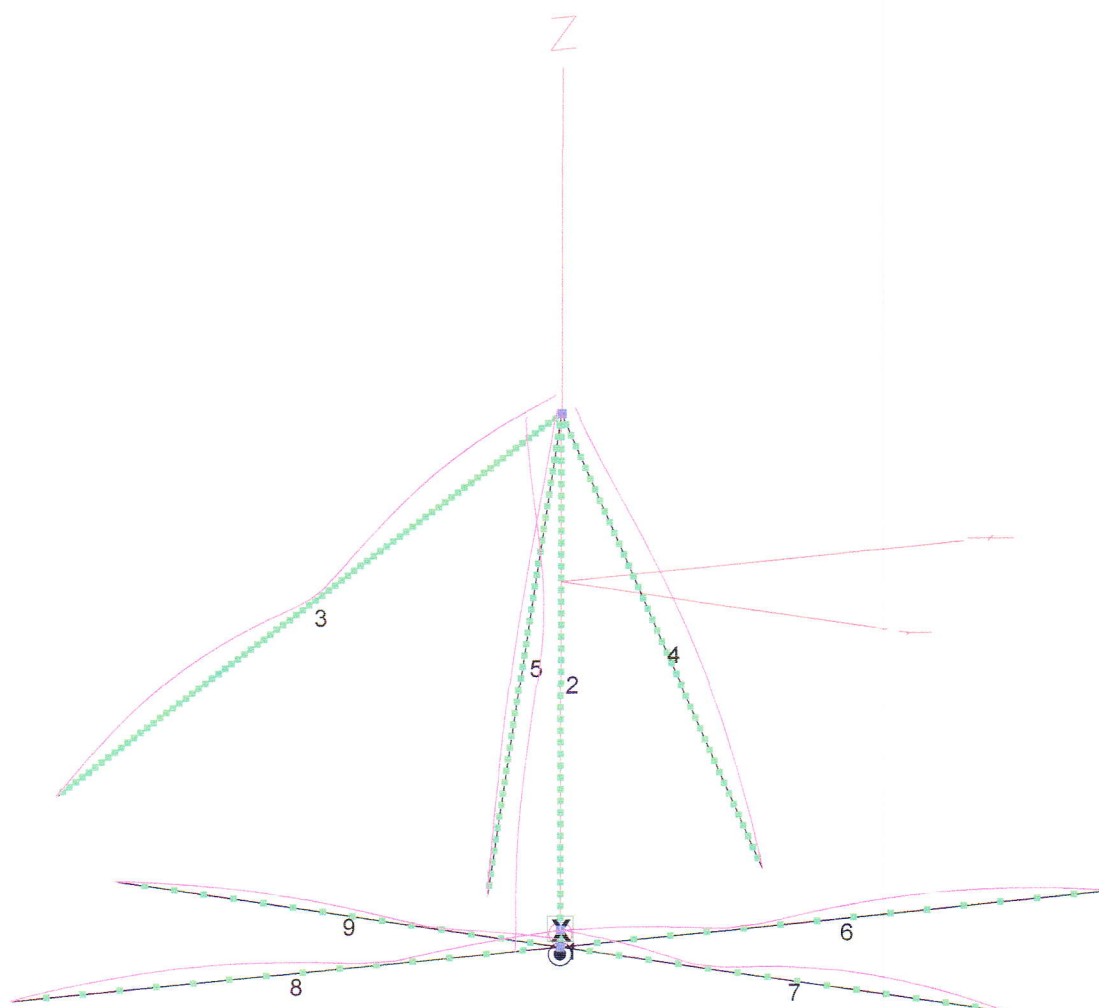
Open
Save As
Ant Notes

Currents
Src Dat
Load Dat
FF Tab
NF Tab
SWR
View Ant

FF Plot

> HBB 14.00 MHz 4R 021820 FS		
	File	HBB 14.00 MHz 4R 021820 FS.ez
>	Frequency	14 MHz
	Wavelength	70.2551 ft
>	Wires	9 Wires, 268 segments
>	Sources	1 Source
>	Loads	0 Loads
>	Trans Lines	0 Transmission Lines
>	Transformers	1 Transformer
>	L Networks	0 L Networks
>	Ground Type	Free Space
>	Wire Loss	Zero
>	Units	Feet
>	Plot Type	3D
>	Step Size	5 Deg.
>	Ref Level	0 dBi
>	Alt SWR Z0	75 ohms
>	Desc Options	

Average Gain = 1.000 = 0.00 dB



HBB 14.00 MHz 4R 021820 FS

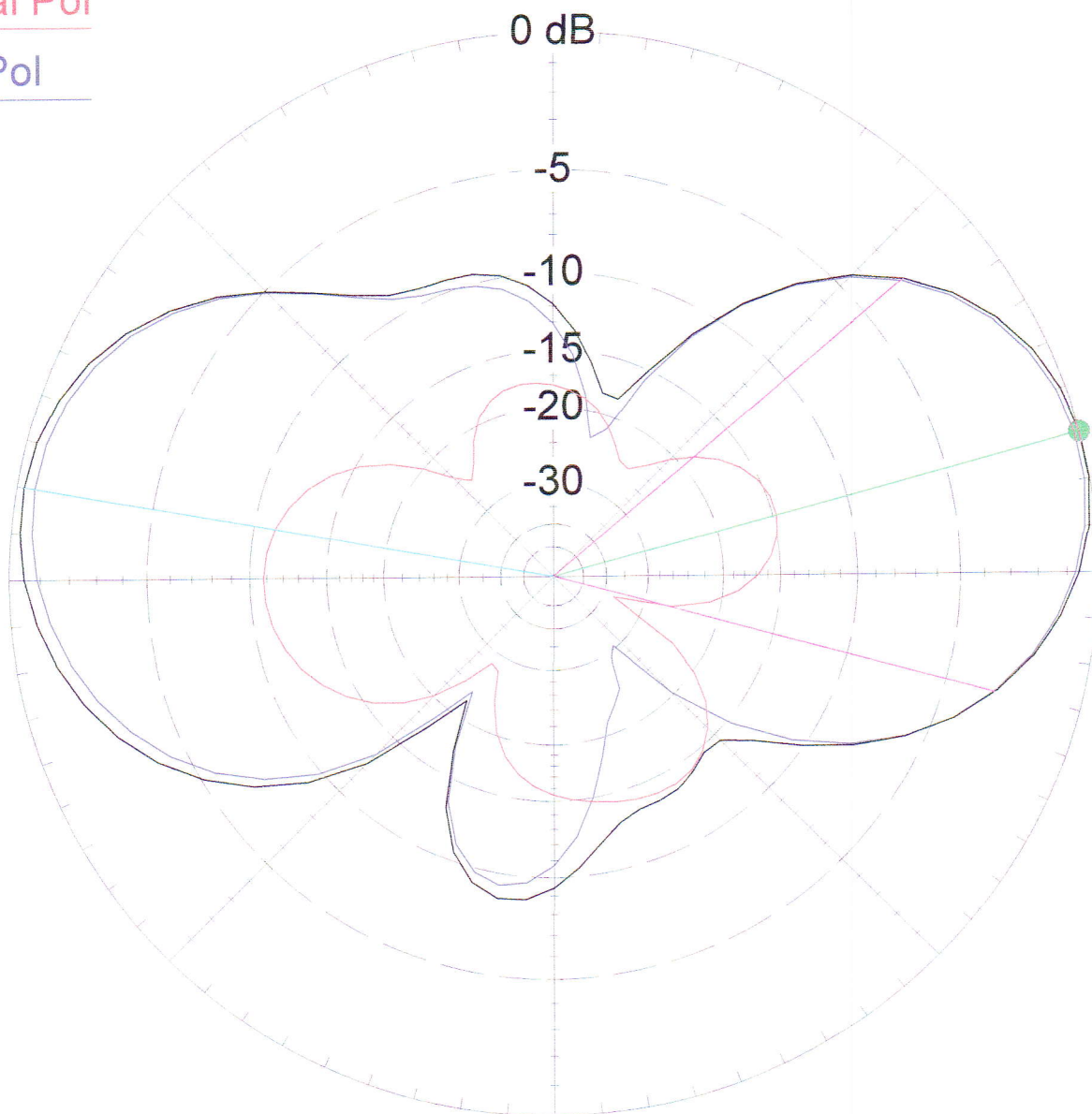
Wire Number	2
Length	37 ft
Seg Length	0.840909 ft
Diameter	2 in

*** Total Field**

EZNEC

Horizontal Pol

Vertical Pol



HBB 14.00 MHz 4R 021820 FS

14 MHz

Elevation Plot

Azimuth Angle

Outer Ring

240.0 deg.

3.6 dBi

Cursor Elev

Gain

15.0 deg.

3.6 dBi

0.0 dBmax

0.0 dBmax3D

3D Max Gain

3.6 dBi

Slice Max Gain

3.6 dBi @ Elev Angle = 15.0 deg.

Front/Back

1.94 dB

Beamwidth

55.4 deg.; -3dB @ 344.7, 40.1 deg.

Sidelobe Gain

3.38 dBi @ Elev Angle = 170.0 deg.

Front/Sidelobe

0.22 dB

EZNEC ver. 5.0

HBB 14.00 MHz 4R 021820 FS

5/16/2020

5:41:52 AM

----- SOURCE DATA -----

Frequency = 14 MHz

Source 1 Voltage = 51.22 V at 3.06 deg.
 Current = 1 A at 0.0 deg.
 Impedance = 51.15 + J 2.734 ohms
 Power = 51.15 watts
 SWR (50 ohm system) = 1.060 (75 ohm system) = 1.470