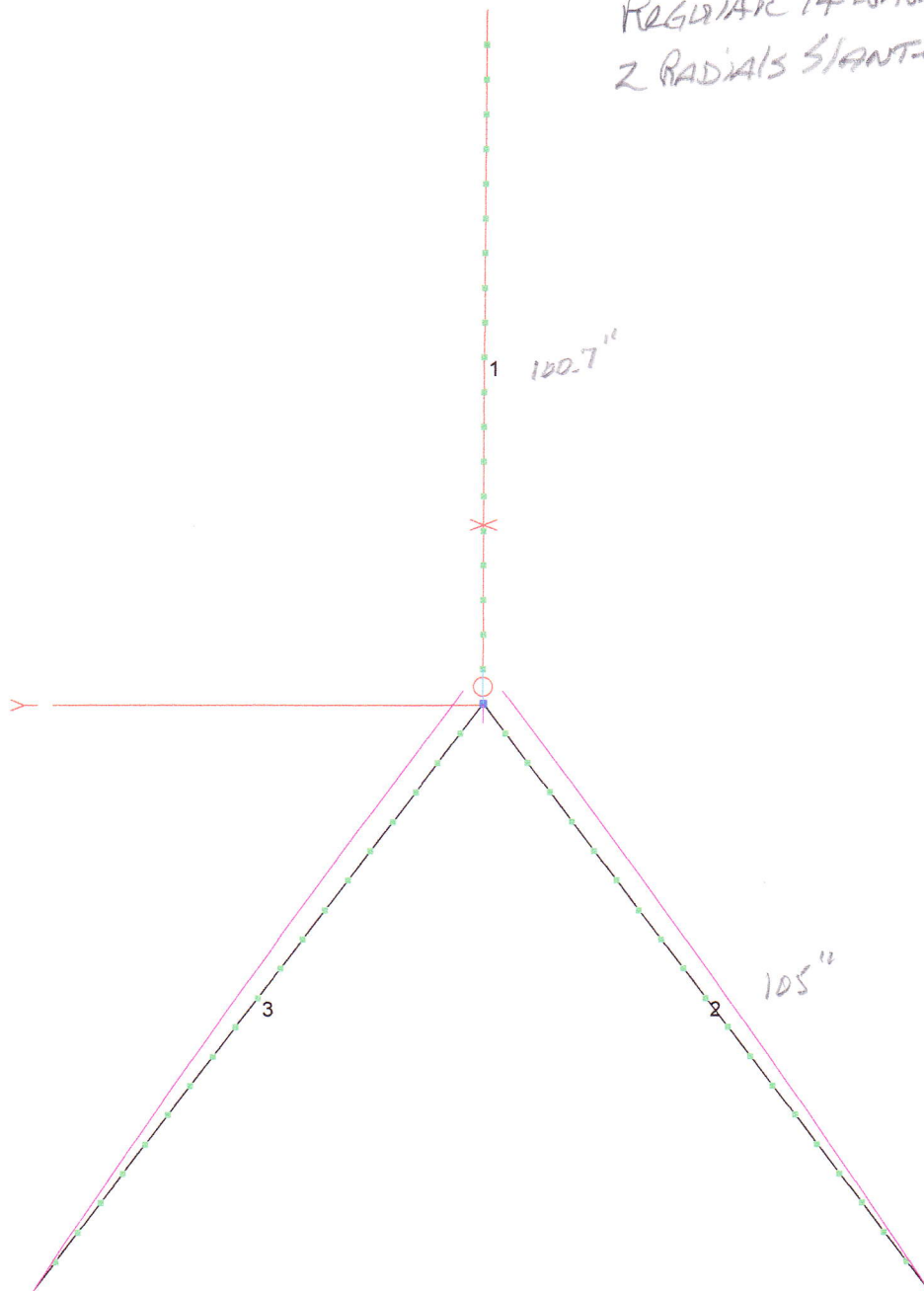


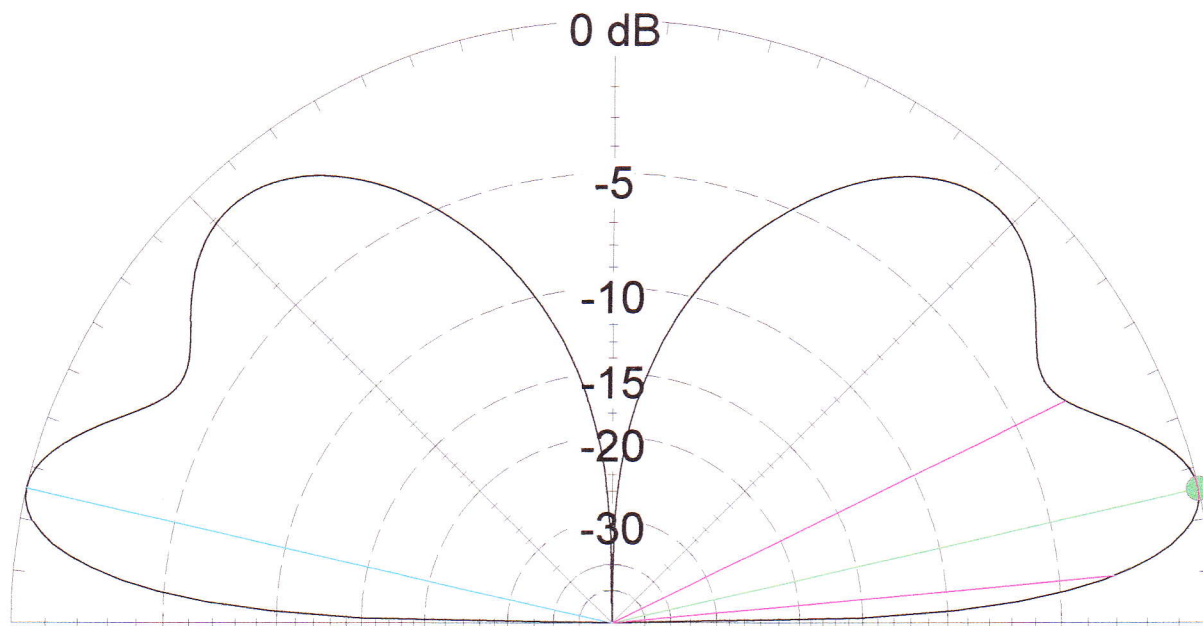
REGULAR 1/4 WAVE WITH EZNEC
2 RADIALS SLOTTED



NB's full .25 w 36' 20'

RESONANT

Wire Number	1
Length	100.7 in
Seg Length	5.035 in
Diameter	0.5 in



NB's full .25 w 36' 20'

27.205 MHz

Elevation Plot		Cursor Elev	13.0 deg.
Azimuth Angle	0.0 deg.	Gain	1.66 dBi
Outer Ring	1.66 dBi		0.0 dBmax

Slice Max Gain	1.66 dBi @ Elev Angle = 13.0 deg.
Beamwidth	20.8 deg.; -3dB @ 5.4, 26.2 deg.
Sidelobe Gain	1.66 dBi @ Elev Angle = 167.0 deg.
Front/Sidelobe	0.0 dB

EZNEC ver. 5.0

NB's full .25 w 36' 20'
12:21:42 PM

11/6/2011

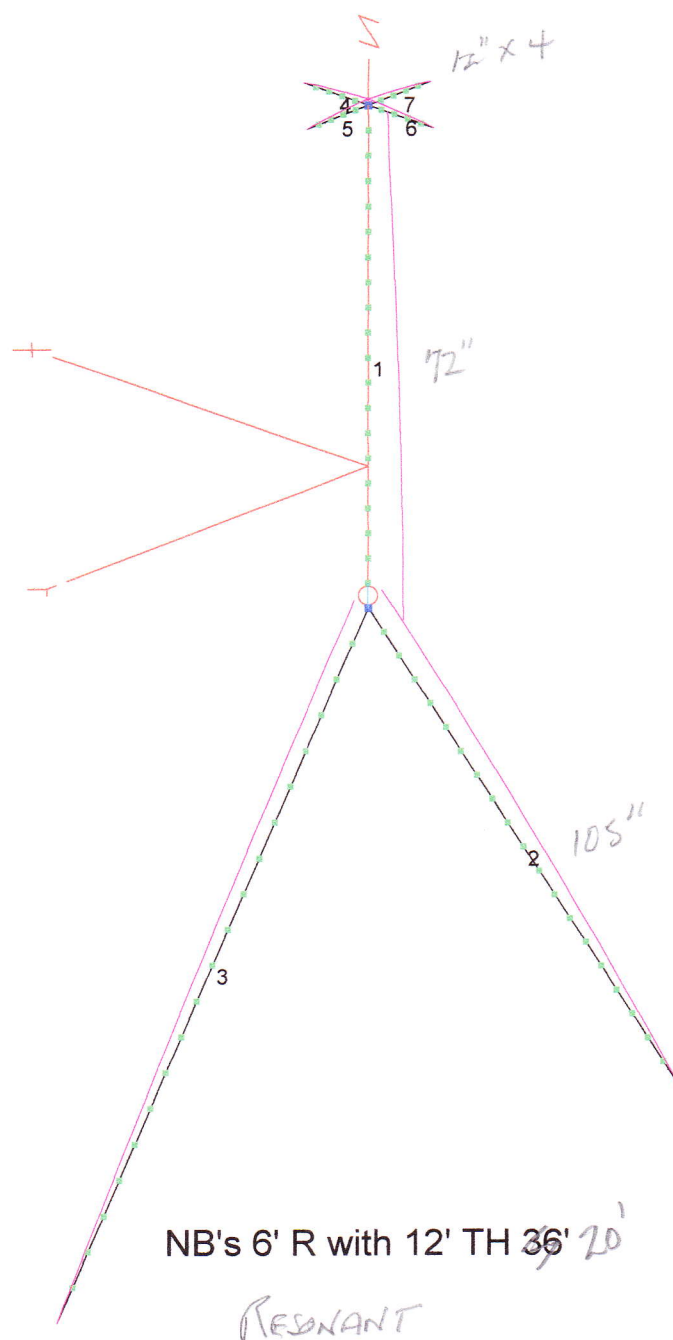
----- SOURCE DATA -----

Frequency = 27.205 MHz

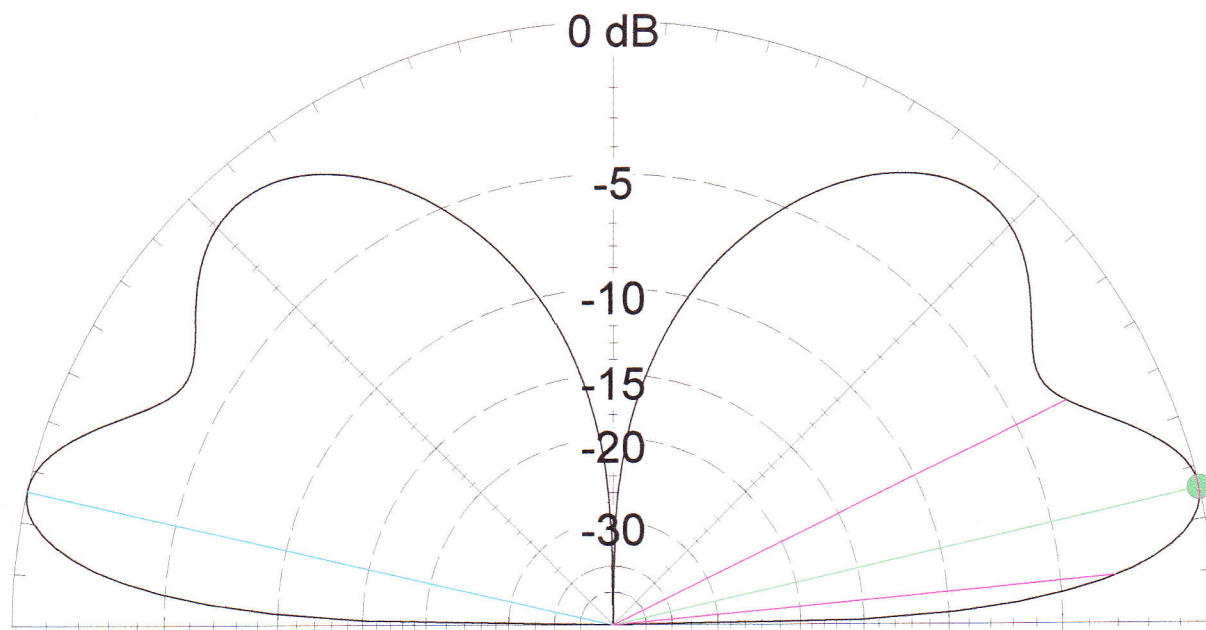
Source 1 Voltage = 55.31 V at -0.15 deg.
 Current = 1 A at 0.0 deg.
 Impedance = 55.31 - J 0.1403 ohms
 Power = 55.31 watts
 SWR (50 ohm system) = 1.106 (75 ohm system) =
1.356

RESONANT
MATCH

CIC'S idea For A
6' RADIATOR with A
TOP HAT



Wire Number	1
Length	72 in
Seg Length	3.6 in
Diameter	0.5 in

NB's 6' R with 12' TH ~~36'~~ 20'

27.205 MHz

Elevation Plot

Azimuth Angle

Outer Ring

0.0 deg.

1.64 dBi

Cursor Elev

Gain

13.0 deg.

1.64 dBi

0.0 dBmax

Slice Max Gain

Beamwidth

Sidelobe Gain

Front/Sidelobe

1.64 dBi @ Elev Angle = 13.0 deg.

20.7 deg.; -3dB @ 5.5, 26.2 deg.

1.64 dBi @ Elev Angle = 167.0 deg.

0.0 dB

----- WIRES -----

No.	End 1			Coord. (in)			End 2			Coord. (in)			Dia (in)	Segs
	Insulation													
	Conn.	X		Y	Z	Conn.	X	Y	Z					
	Diel C	Thk(in)												
1	W2E1	0	0,	0,	240	W4E1	0,	0,	312	0.5	20			
2	W3E1	0	0,	0,	240		0,	-60,	154	0.5	20			
3	W1E1	0	0,	0,	240		0,	60,	154	0.5	20			
4	W5E1	0	0,	0,	312		12,	0,	312	0.5	5			
5	W6E1	0	0,	0,	312		0,	12,	312	0.5	5			
6	W7E1	0	0,	0,	312		-12,	0,	312	0.5	5			
7	W1E2	0	0,	0,	312		0,	-12,	312	0.5	5			

NB's 6' R with 12' TH ~~36'~~ 20'
3:55:29 PM

11/6/2011

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

Frequency = 27.205 MHz

Source 1 Voltage = 49.67 V at 0.59 deg.
 Current = 1 A at 0.0 deg.
 Impedance = $49.67 + j 0.5147$ ohms
 Power = 49.67 watts
 SWR (50 ohm system) = 1.012 (75 ohm system) =
1.510

RESONANT
MATCH