

Quad5Evirtual75ohm-wM-wChokeFL

27.205 MHz

| | | | |
|----------------|------------------------------------|-------------|-----------|
| Elevation Plot | | Cursor Elev | 13.0 deg. |
| Azimuth Angle | 0.0 deg. | Gain | 14.68 dBi |
| Outer Ring | 14.68 dBi | | 0.0 dBmax |
| Slice Max Gain | 14.68 dBi @ Elev Angle = 13.0 deg. | | |
| Beamwidth | 14.4 deg.; -3dB @ 6.5, 20.9 deg. | | |
| Sidelobe Gain | 8.18 dBi @ Elev Angle = 43.0 deg. | | |
| Front/Sidelobe | 6.5 dB | | |

EZNEC ver. 5.0

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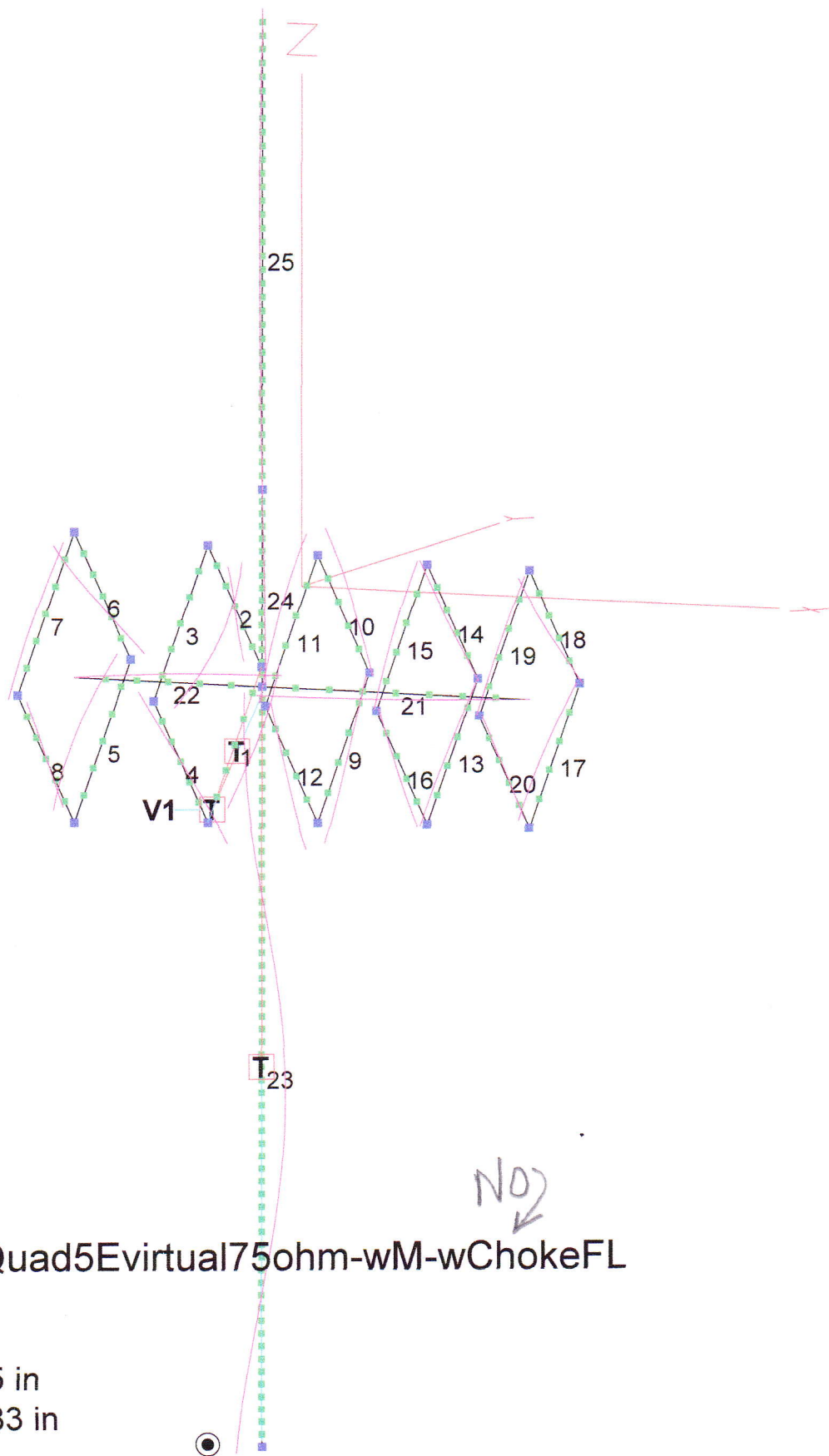
4/4/2017

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

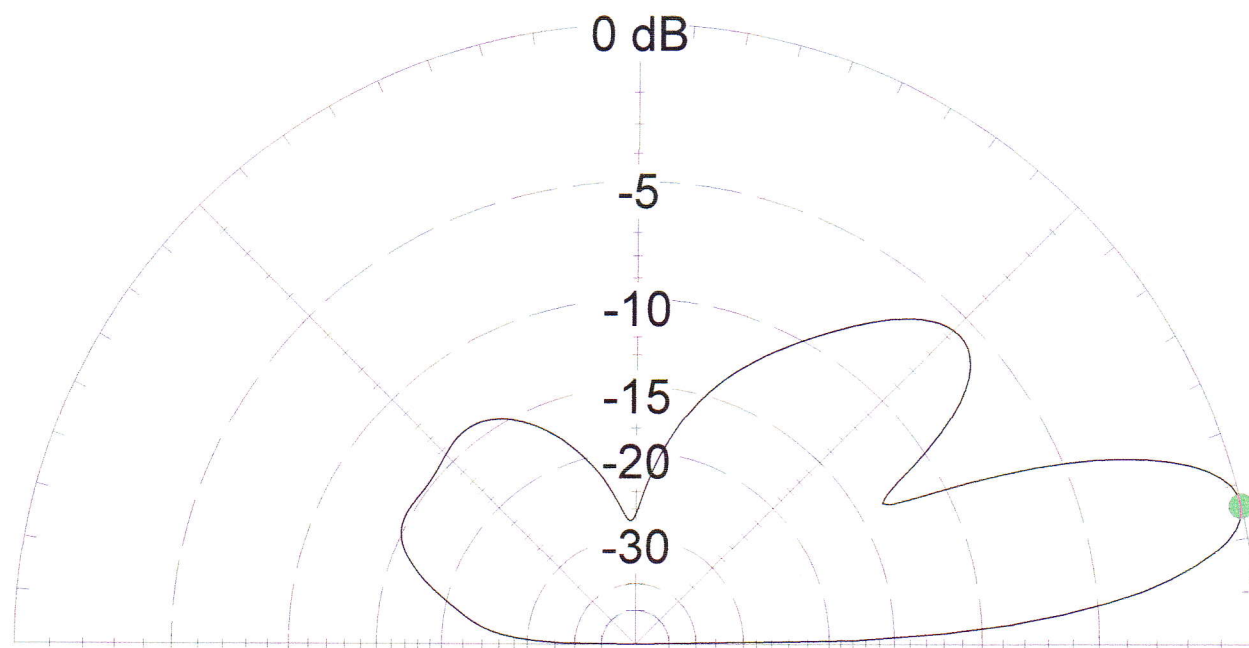
Frequency = 27.205 MHz

Source 1 Voltage = 60.54 V at 0.64 deg.
 Current = 1 A at 0.0 deg.
 Impedance = 60.54 + J 0.6794 ohms
 Power = 60.54 watts
 SWR (50 ohm system) = 1.211 (75 ohm system) = 1.239



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Wire Number 1
Length 111.35 in
Seg Length 18.5583 in
Diameter #12



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Elevation Plot

Azimuth Angle

Outer Ring

0.0 deg.

12.48 dBi

Cursor Elev

Gain

13.0 deg.

12.48 dBi

0.0 dBmax

Slice Max Gain

12.48 dBi @ Elev Angle = 13.0 deg.

Beamwidth

14.6 deg.; -3dB @ 6.4, 21.0 deg.

Sidelobe Gain

6.85 dBi @ Elev Angle = 44.0 deg.

Front/Sidelobe

5.63 dB

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4/4/2017

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

Frequency = 27.205 MHz

Source 1 Voltage = 168.3 V at -13.51 deg.
 Current = 1 A at 0.0 deg.
 Impedance = 163.6 - J 39.31 ohms
 Power = 163.6 watts
 SWR (50 ohm system) = 3.479 (75 ohm system) = 2.338