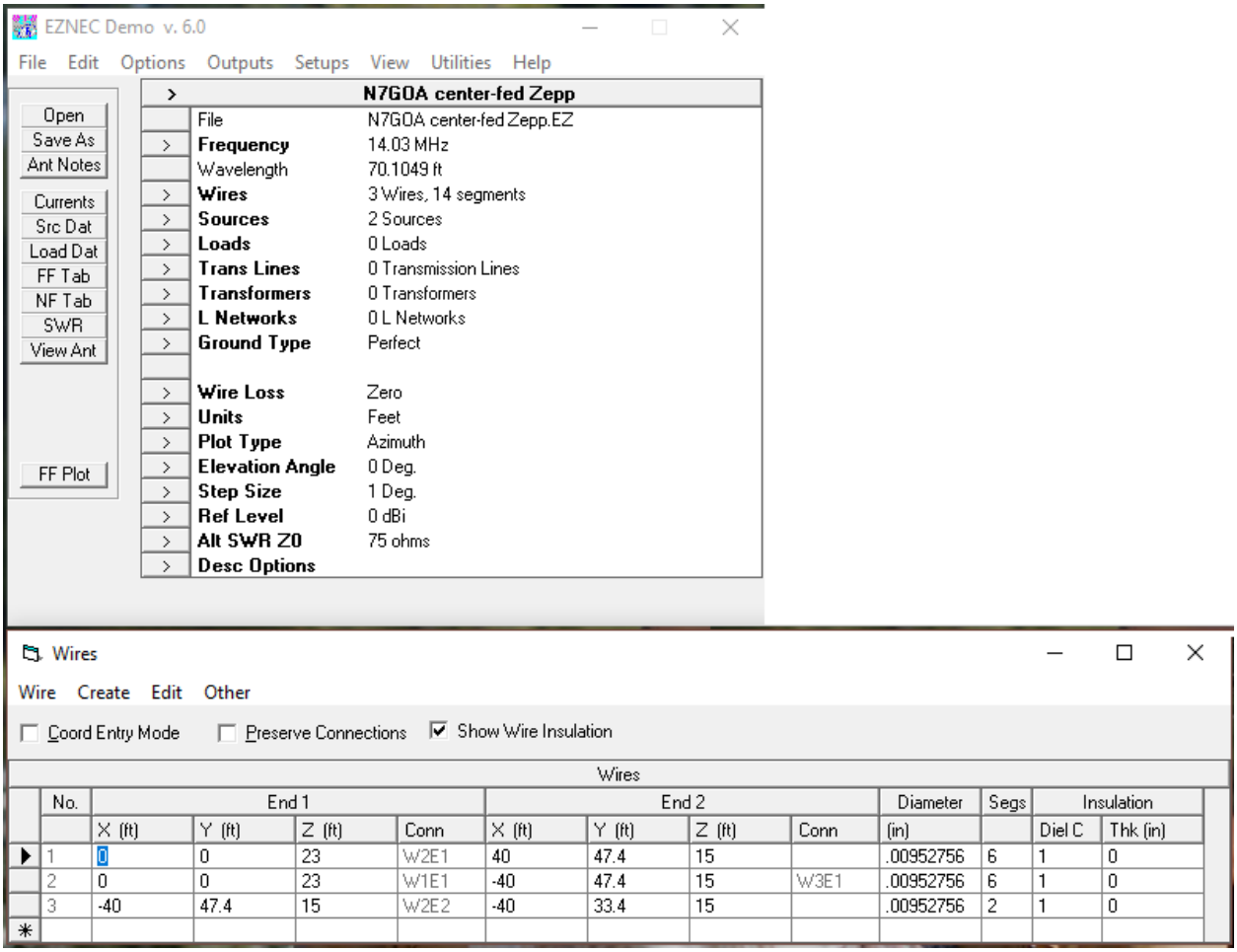
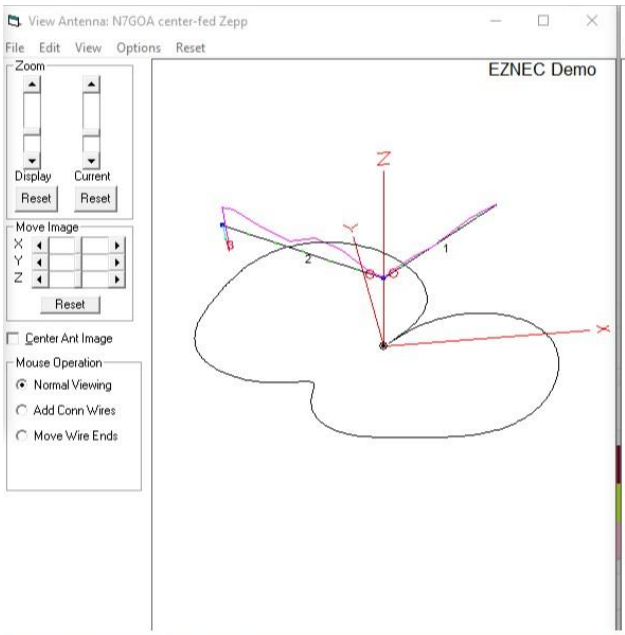
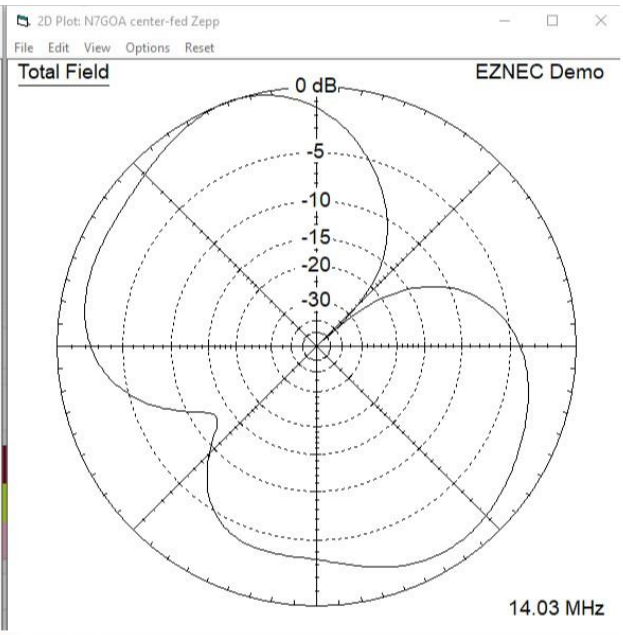
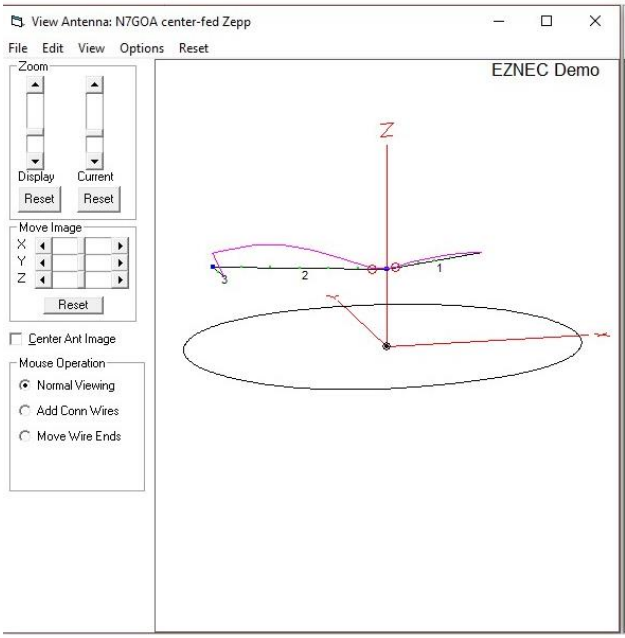
N7GOA Antenna Information

I operate with a center-fed Zepp. The antenna is 23 feet high at the center, supported by a fiberglass pole. The first leg stretches 62 feet to a wooden pole 15 feet tall. The second leg stretches 51 feet to another 15 foot tall wooden pole. These two segments are separated by an angle of 90 degrees. A 14 foot section extends from the end of the 51 foot segment at an angle of 45 degrees back toward the center pole. This segment is tied to a rope extending from the roof of my house. I modeled the antenna using EZNEC software (my first attempt at EZNEC) The characterization is displayed below and the radiation patterns are shown for both 20 and 40 meters.




View Antenna: N7GOA center-fed Zepp
File Edit View Options Reset
Zoom
Display
Current
Reset
Reset
Move Image
X
Y
Z
Reset
Center Ant Image
Mouse Operation
Normal Viewing
Add Conn Wires
Move Wire Ends
EZNEC Demo
Z
Y
X
1
2


2D Plot: N7GOA center-fed Zepp
File Edit View Options Reset
Total Field
EZNEC Demo
0 dB
-5
-10
-15
-20
-30
14.03 MHz


View Antenna: N7GOA center-fed Zepp
File Edit View Options Reset
Zoom
Display
Current
Reset
Reset
Move Image
X
Y
Z
Reset
Center Ant Image
Mouse Operation
Normal Viewing
Add Conn Wires
Move Wire Ends
EZNEC Demo
Z
Y
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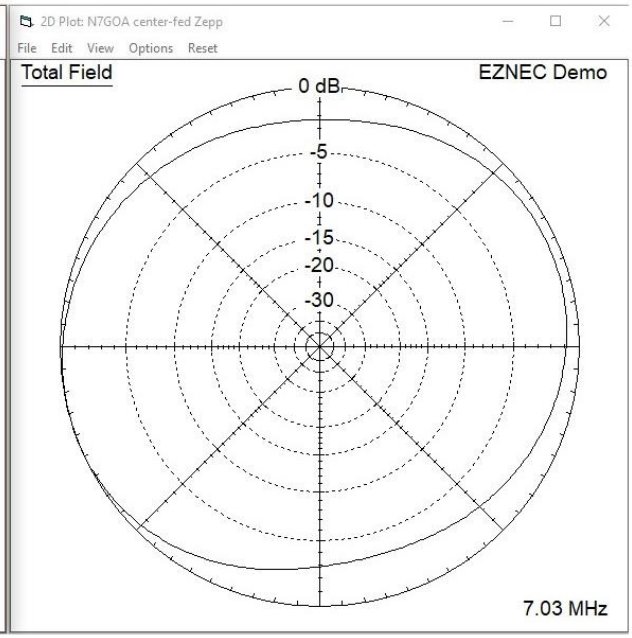
1
2
3


2D Plot: N7GOA center-fed Zepp
File Edit View Options Reset
Total Field
EZNEC Demo
0 dB
-5
-10
-15
-20
-30
7.03 MHz