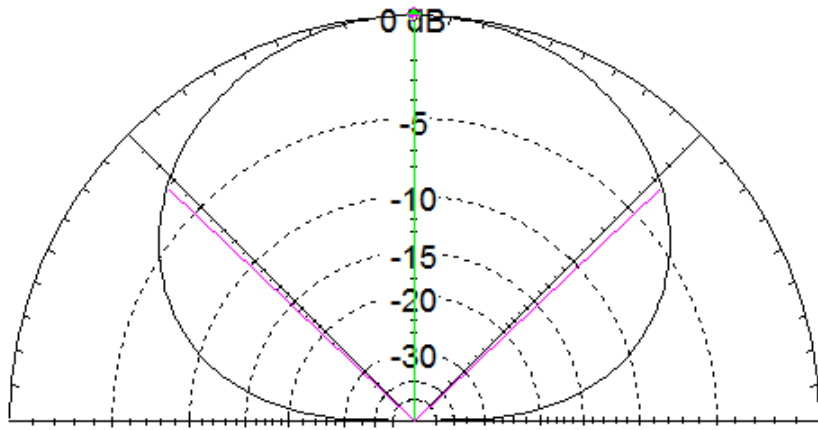


Total Field

EZNEC ARRL



1.9 MHz

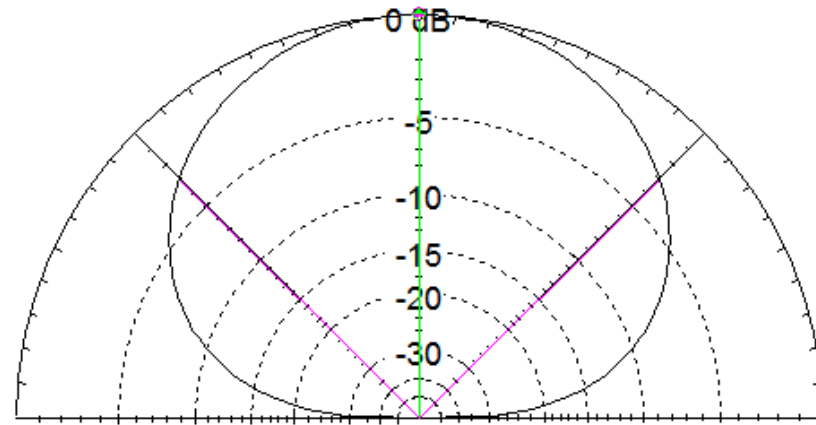
Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 6.84 dBi

Cursor Elev 90.0 deg.
Gain 6.84 dBi
0.0 dBmax

Slice Max Gain 6.84 dBi @ Elev Angle = 90.0 deg.
Beamwidth 93.6 deg.; -3dB @ 43.2, 136.8 deg.
Sidelobe Gain < -100 dBi
Front/Sidelobe > 100 dB

Total Field

EZNEC ARRL



1.9 MHz

Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 4.16 dBi

Cursor Elev 90.0 deg.
Gain 4.16 dBi
0.0 dBmax

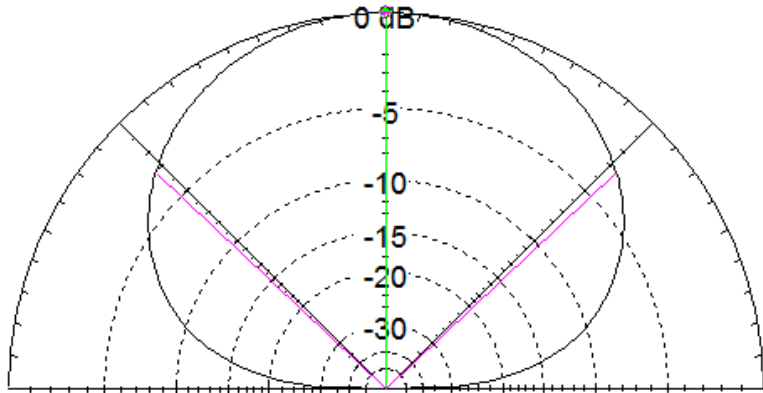
Slice Max Gain 4.16 dBi @ Elev Angle = 90.0 deg.
Beamwidth 90.6 deg.; -3dB @ 44.7, 135.3 deg.
Sidelobe Gain < -100 dBi
Front/Sidelobe > 100 dB

60.5 Feet Each of two legs on a Dipole at 50 Feet Height.

60.5 Feet Each of two legs on a Dipole at 25 Feet Height.

Total Field

EZNEC ARRL



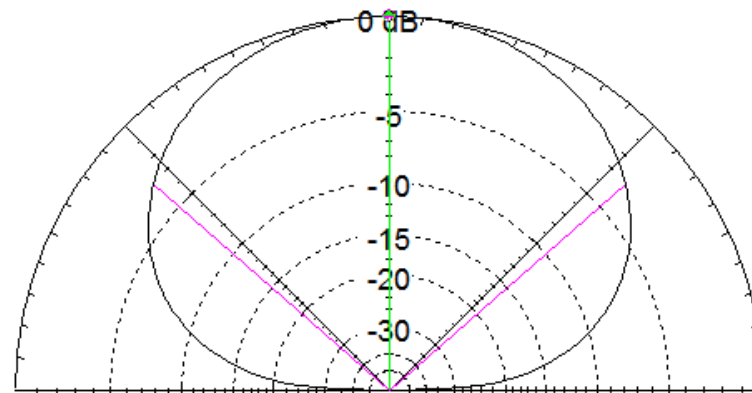
3.75 MHz

Elevation Plot	Cursor Elev	90.0 deg.
Azimuth Angle	Gain	8.08 dBi
Outer Ring		0.0 dBmax

Slice Max Gain	8.08 dBi @ Elev Angle = 90.0 deg.
Beamwidth	93.4 deg.; -3dB @ 43.3, 136.7 deg.
Sidelobe Gain	< -100 dBi
Front/Sidelobe	> 100 dB

Total Field

EZNEC ARRL



5.357 MHz

Elevation Plot	Cursor Elev	90.0 deg.
Azimuth Angle	Gain	8.66 dBi
Outer Ring		0.0 dBmax

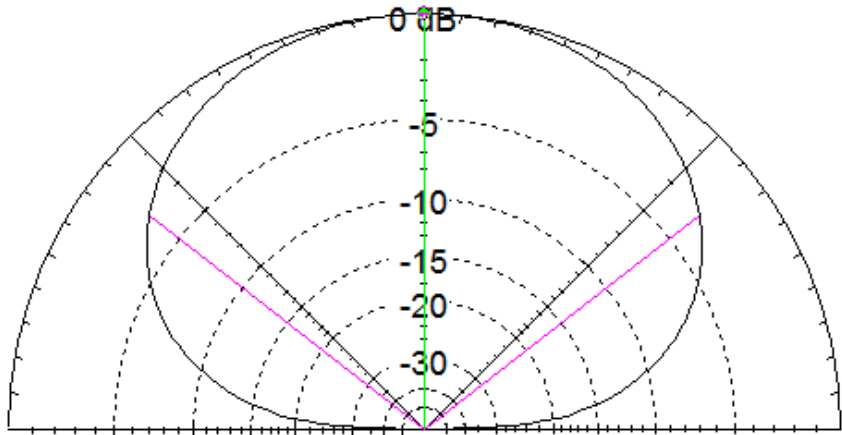
Slice Max Gain	8.66 dBi @ Elev Angle = 90.0 deg.
Beamwidth	97.6 deg.; -3dB @ 41.2, 138.8 deg.
Sidelobe Gain	< -100 dBi
Front/Sidelobe	> 100 dB

60.5 Feet Each of two legs on a Dipole at 25 Feet Height.

60.5 Feet Each of two legs on a Dipole at 25 Feet Height.

Total Field

EZNEC ARRL



7.15 MHz

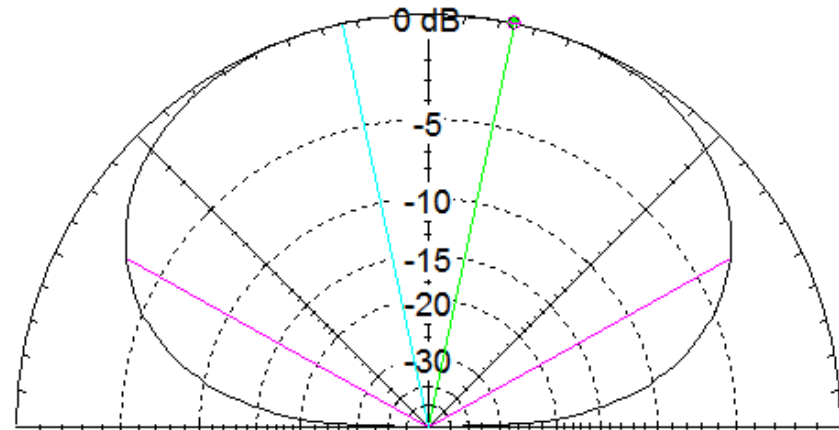
Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 9.08 dBi

Cursor Elev 90.0 deg.
Gain 9.08 dBi
0.0 dBmax

Slice Max Gain 9.08 dBi @ Elev Angle = 90.0 deg.
Beamwidth 104.4 deg.; -3dB @ 37.8, 142.2 deg.
Sidelobe Gain < -100 dBi
Front/Sidelobe > 100 dB

Total Field

EZNEC ARRL



10.125 MHz

Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 9.96 dBi

Cursor Elev 78.0 deg.
Gain 9.96 dBi
0.0 dBmax

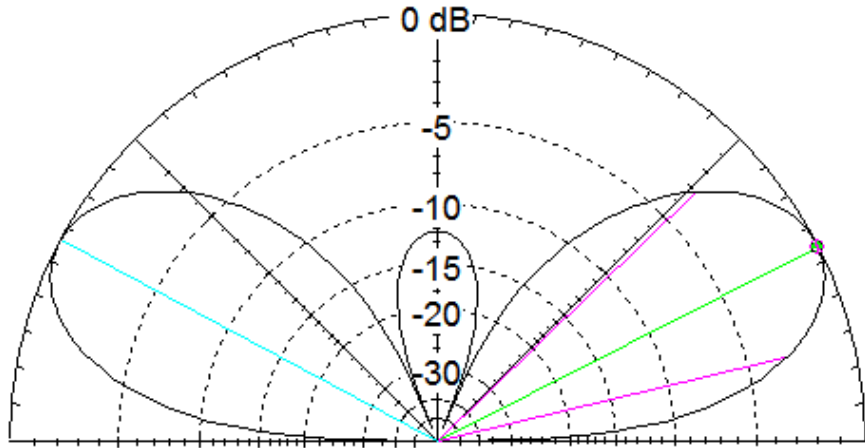
Slice Max Gain 9.96 dBi @ Elev Angle = 78.0 deg.
Beamwidth 121.8 deg.; -3dB @ 29.1, 150.9 deg.
Sidelobe Gain 9.96 dBi @ Elev Angle = 102.0 deg.
Front/Sidelobe 0.0 dB

60.5 Feet Each of two legs on a Dipole at 25 Feet Height.

60.5 Feet Each of two legs on a Dipole at 25 Feet Height.

Total Field

EZNEC ARRL



21.225 MHz

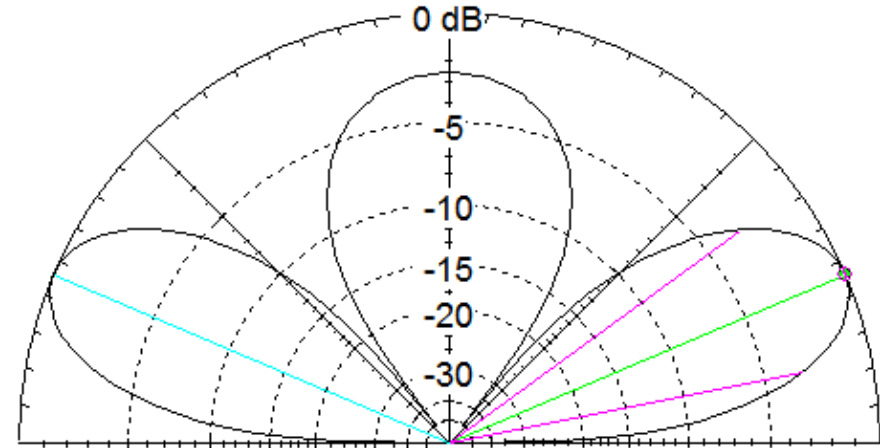
Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 6.51 dBi

Cursor Elev 27.0 deg.
Gain 6.51 dBi
0.0 dBmax

Slice Max Gain 6.51 dBi @ Elev Angle = 27.0 deg.
Beamwidth 30.6 deg.; -3dB @ 13.4, 44.0 deg.
Sidelobe Gain 6.51 dBi @ Elev Angle = 152.0 deg.
Front/Sidelobe 0.0 dB

Total Field

EZNEC ARRL



24.94 MHz

Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 8.48 dBi

Cursor Elev 23.0 deg.
Gain 8.48 dBi
0.0 dBmax

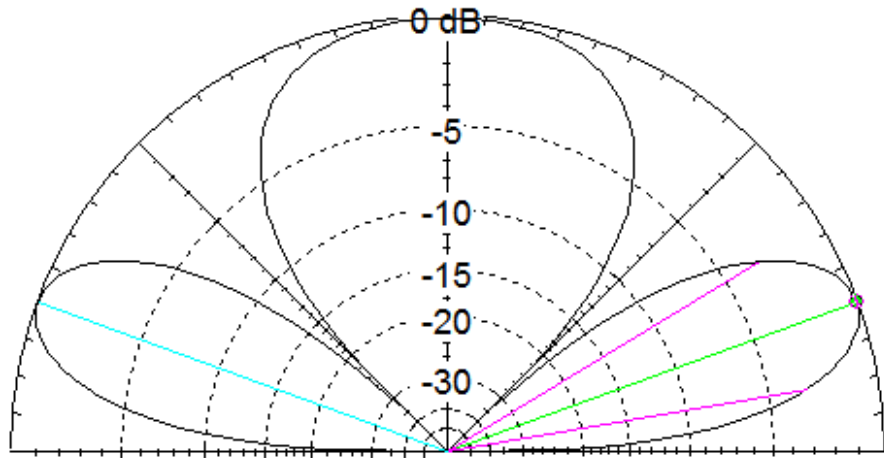
Slice Max Gain 8.48 dBi @ Elev Angle = 23.0 deg.
Beamwidth 24.8 deg.; -3dB @ 11.4, 36.2 deg.
Sidelobe Gain 8.48 dBi @ Elev Angle = 157.0 deg.
Front/Sidelobe 0.0 dB

60.5 Feet Each of two legs on a Dipole at 25 Feet Height.

60.5 Feet Each of two legs on a Dipole at 25 Feet Height.

Total Field

EZNEC ARRL



28.5 MHz

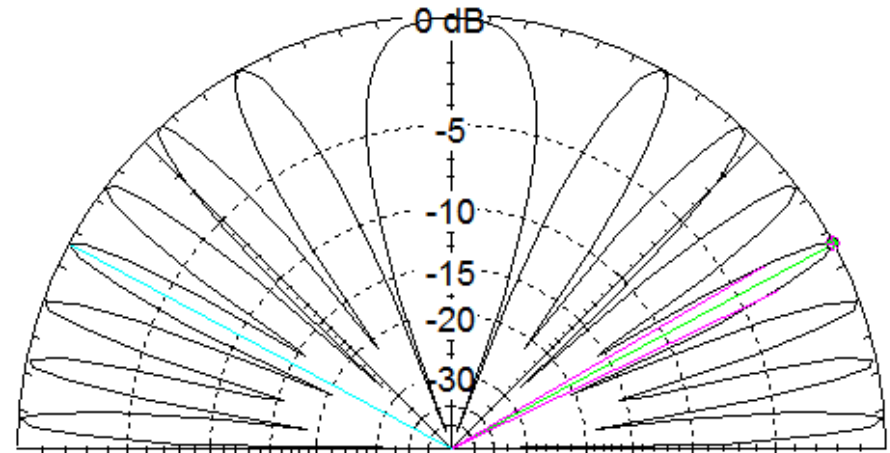
Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 3.04 dBi

Cursor Elev 20.0 deg.
Gain 3.04 dBi
0.0 dBmax

Slice Max Gain 3.04 dBi @ Elev Angle = 20.0 deg.
Beamwidth 21.3 deg.; -3dB @ 9.9, 31.2 deg.
Sidelobe Gain 3.04 dBi @ Elev Angle = 160.0 deg.
Front/Sidelobe 0.0 dB

Total Field

EZNEC ARRL



146.55 MHz

Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 11.25 dBi

Cursor Elev 28.0 deg.
Gain 11.25 dBi
0.0 dBmax

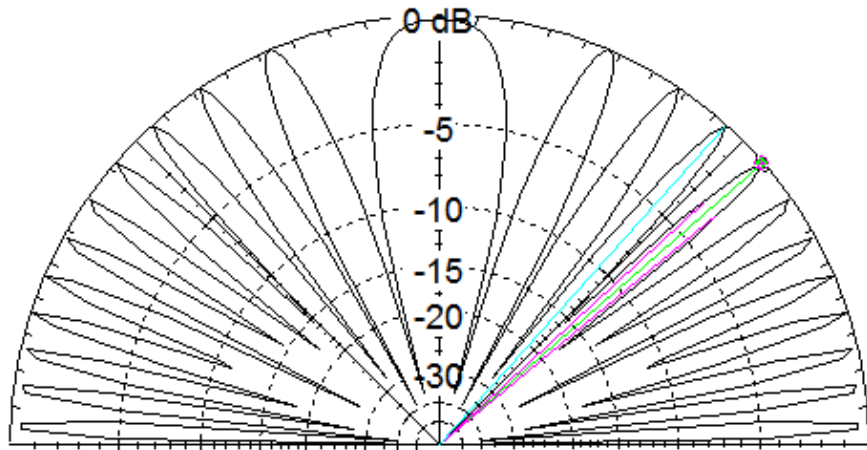
Slice Max Gain 11.25 dBi @ Elev Angle = 28.0 deg.
Beamwidth 4.3 deg.; -3dB @ 25.9, 30.2 deg.
Sidelobe Gain 11.25 dBi @ Elev Angle = 152.0 deg.
Front/Sidelobe 0.0 dB

60.5 Feet Each of two legs on a Dipole at 25 Feet Height.

60.5 Feet Each of two legs on a Dipole at 25 Feet Height. Balun Limitations

Total Field

EZNEC ARRL



225 MHz

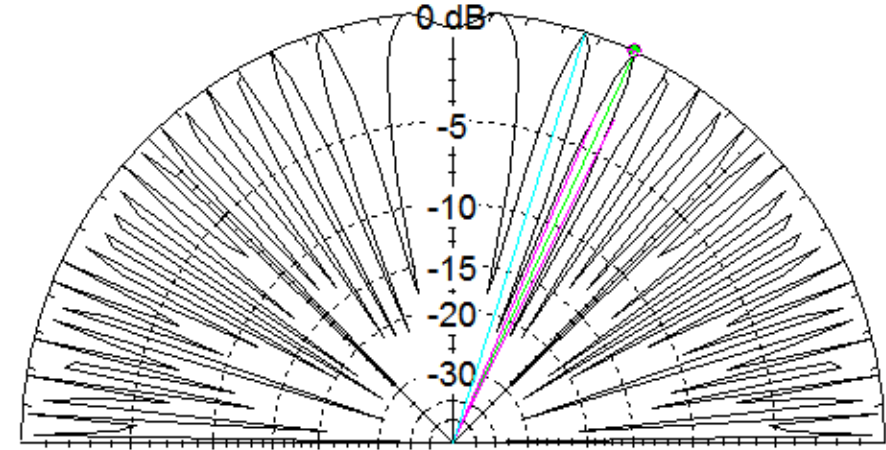
Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 6.49 dBi

Cursor Elev 41.0 deg.
Gain 6.49 dBi
0.0 dBmax

Slice Max Gain 6.49 dBi @ Elev Angle = 41.0 deg.
Beamwidth 3.0 deg.; -3dB @ 39.5, 42.5 deg.
Sidelobe Gain 6.49 dBi @ Elev Angle = 48.0 deg.
Front/Sidelobe 0.0 dB

Total Field

EZNEC ARRL



445 MHz

Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 12.89 dBi

Cursor Elev 65.0 deg.
Gain 12.89 dBi
0.0 dBmax

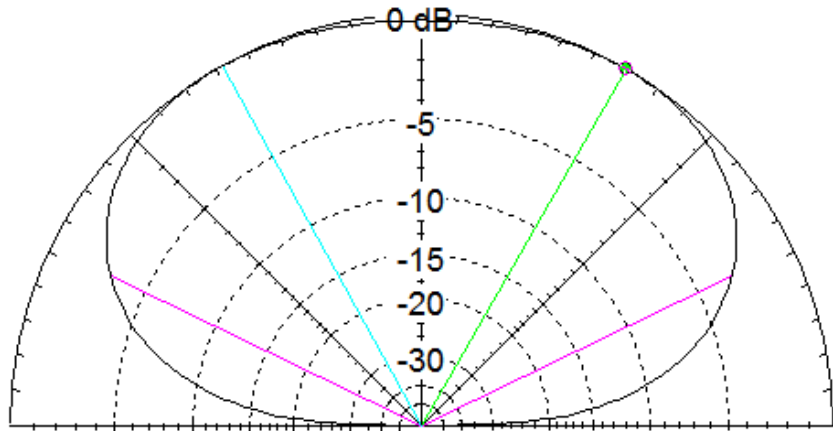
Slice Max Gain 12.89 dBi @ Elev Angle = 65.0 deg.
Beamwidth 2.7 deg.; -3dB @ 63.7, 66.4 deg.
Sidelobe Gain 12.89 dBi @ Elev Angle = 72.0 deg.
Front/Sidelobe 0.0 dB

60.5 Feet Each of two legs on a Dipole at 25 Feet Height. Balun Limitations

60.5 Feet Each of two legs on a Dipole at 25 Feet Height. Balun Limitations

Total Field

EZNEC ARRL



14.175 MHz

Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 9.73 dBi

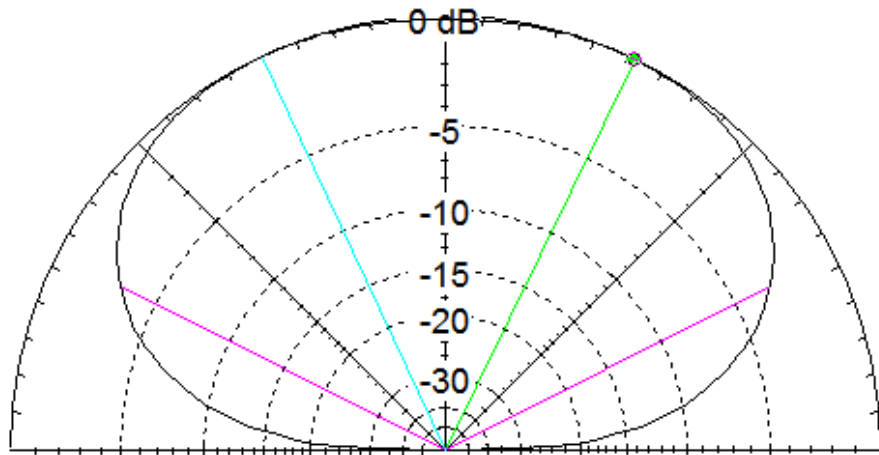
Cursor Elev 60.0 deg.
Gain 9.73 dBi
0.0 dBmax

Slice Max Gain 9.73 dBi @ Elev Angle = 60.0 deg.
Beamwidth 128.4 deg.; -3dB @ 25.8, 154.2 deg.
Sidelobe Gain 9.73 dBi @ Elev Angle = 119.0 deg.
Front/Sidelobe 0.0 dB

44 Feet Each of two legs on a Dipole at 20 Feet Height.

Total Field

EZNEC ARRL



18.15 MHz

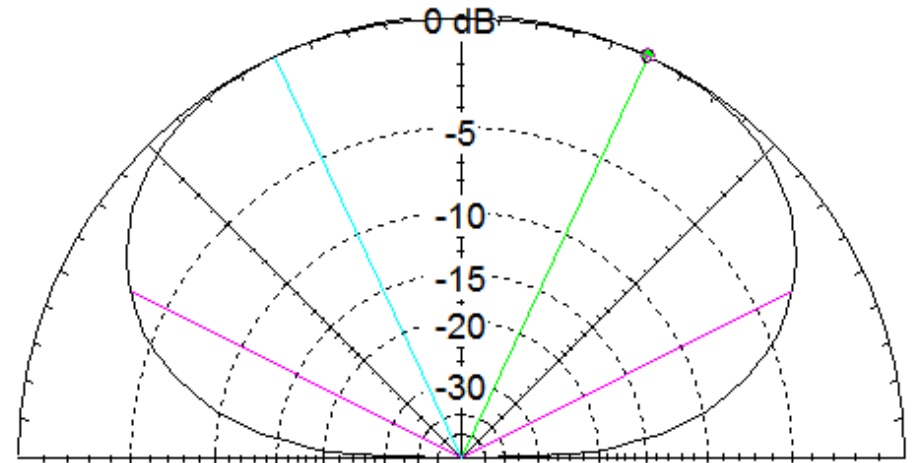
Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 5.66 dBi

Cursor Elev 64.0 deg.
Gain 5.66 dBi
0.0 dBmax

Slice Max Gain 5.66 dBi @ Elev Angle = 64.0 deg.
Beamwidth 126.2 deg.; -3dB @ 26.9, 153.1 deg.
Sidelobe Gain 5.66 dBi @ Elev Angle = 115.0 deg.
Front/Sidelobe 0.0 dB

Total Field

EZNEC ARRL



18.15 MHz

Elevation Plot
Azimuth Angle 0.0 deg.
Outer Ring 9.75 dBi

Cursor Elev 65.0 deg.
Gain 9.75 dBi
0.0 dBmax

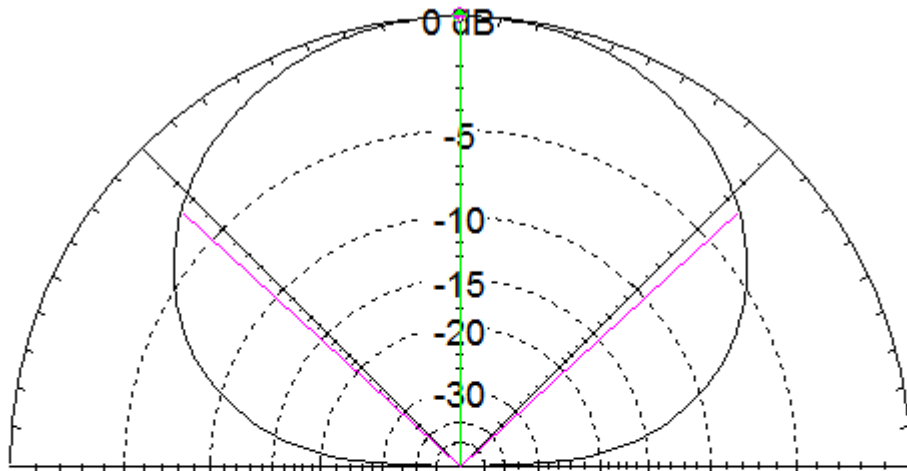
Slice Max Gain 9.75 dBi @ Elev Angle = 65.0 deg.
Beamwidth 126.2 deg.; -3dB @ 26.9, 153.1 deg.
Sidelobe Gain 9.75 dBi @ Elev Angle = 115.0 deg.
Front/Sidelobe 0.0 dB

66.5 Feet Each of two legs on a Dipole at 15 Feet Height.

33.25 Feet Each of two legs on a Dipole at 15 Feet Height.

Total Field

EZNEC ARRL



28.5 MHz

Elevation Plot

Azimuth Angle 0.0 deg.
Outer Ring 11.5 dBi

Cursor Elev 90.0 deg.
Gain 11.5 dBi
0.0 dBmax

Slice Max Gain 11.5 dBi @ Elev Angle = 90.0 deg.
Beamwidth 95.4 deg.; -3dB @ 42.3, 137.7 deg.
Sidelobe Gain < -100 dBi
Front/Sidelobe > 100 dB

125.5 Feet Each of two legs on a Dipole at 5 Feet Height.