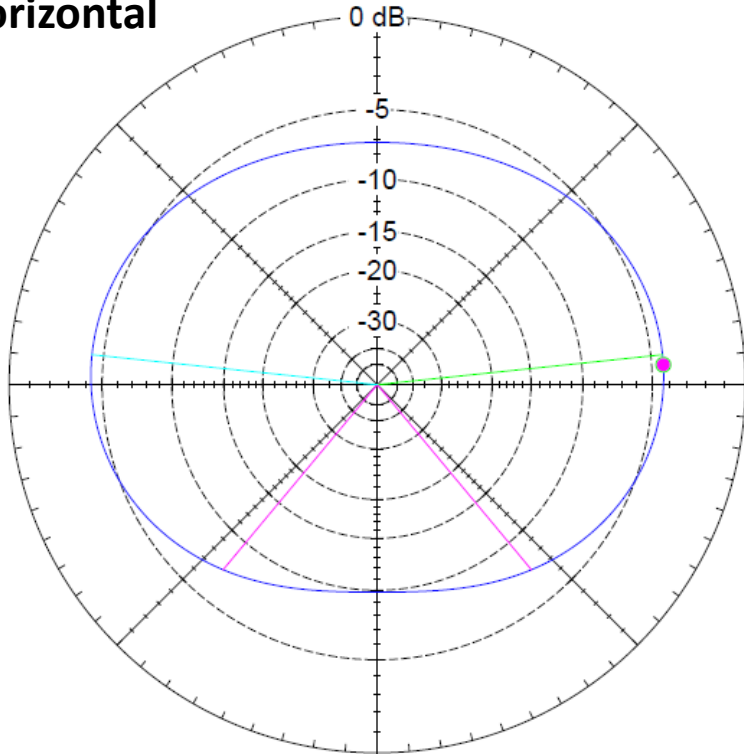


Aerial-51 Model 807-xx – 80m

Total Field

EZNEC+

Horizontal



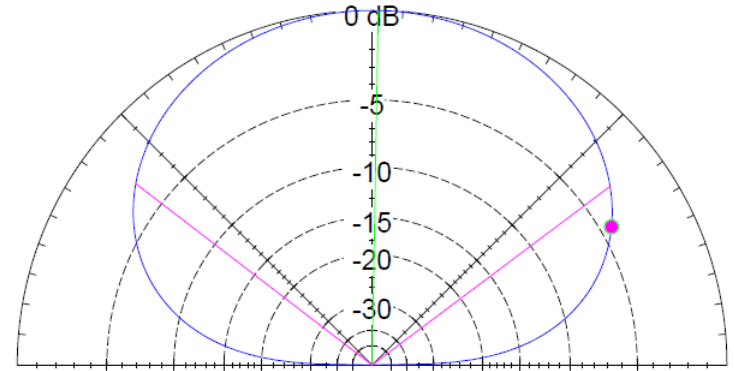
OCF-Dp 807L H12,5 InvV 8/6m 3,68 MHz

| | | | |
|-----------------|--------------------------------------|-----------|---------------|
| Azimuth Plot | | Cursor Az | 4,0 deg. |
| Elevation Angle | 30,0 deg. | Gain | 0,44 dBi |
| Outer Ring | 4,72 dBi | | 0,0 dBmax |
| | | | -4,28 dBmax3D |
| 3D Max Gain | 4,72 dBi | | |
| Slice Max Gain | 0,44 dBi @ Az Angle = 6,0 deg. | | |
| Front/Back | 0,15 dB | | |
| Beamwidth | 280,4 deg.; -3dB @ 309,8, 230,2 deg. | | |
| Sidelobe Gain | 0,44 dBi @ Az Angle = 174,0 deg. | | |
| Front/Sidelobe | 0,0 dB | | |

Total Field

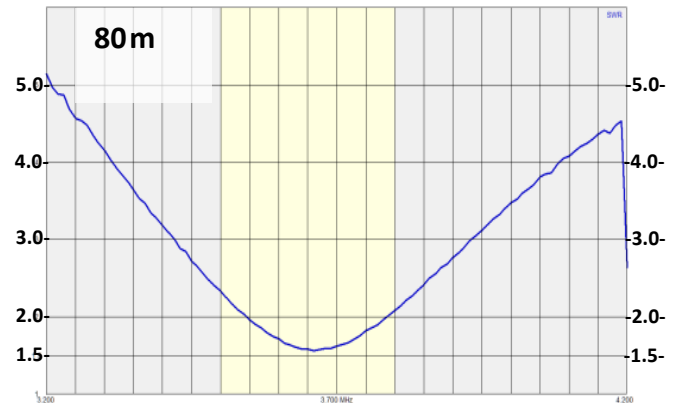
EZNEC+

Vertical



OCF-Dp 807L H12,5 InvV 8/6m 3,68 MHz

| | | | |
|----------------|-------------------------------------|-------------|---------------|
| Elevation Plot | | Cursor Elev | 30,0 deg. |
| Azimuth Angle | 4,0 deg. | Gain | 0,44 dBi |
| Outer Ring | 4,72 dBi | | -4,27 dBmax |
| | | | -4,28 dBmax3D |
| 3D Max Gain | 4,72 dBi | | |
| Slice Max Gain | 4,71 dBi @ Elev Angle = 89,0 deg. | | |
| Beamwidth | 105,6 deg.; -3dB @ 36,9, 142,5 deg. | | |
| Sidelobe Gain | < -100 dBi | | |
| Front/Sidelobe | > 100 dB | | |

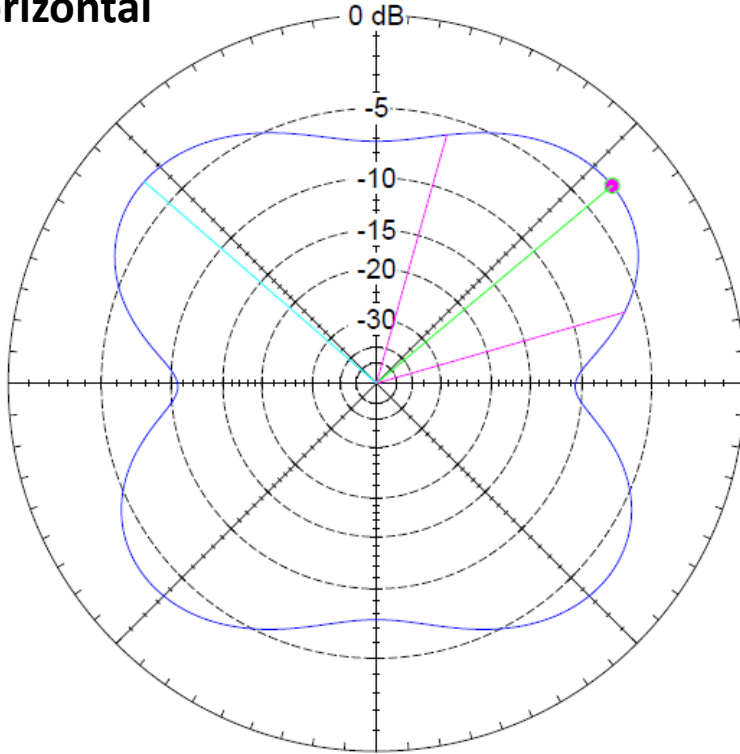


Aerial-51 Model 807-xx – 40m

Total Field

EZNEC+

Horizontal



OCF-Dp 807L H12,5 InvV 8/6m

7,06 MHz

Azimuth Plot
Elevation Angle 22,0 deg.
Outer Ring 4,72 dBi

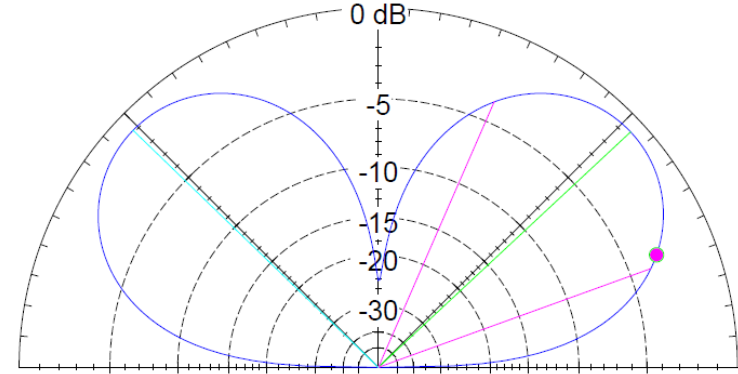
Cursor Az 40,0 deg.
Gain 1,64 dBi
0,0 dBmax
-3,08 dBmax3D

3D Max Gain 4,72 dBi
Slice Max Gain 1,64 dBi @ Az Angle = 40,0 deg.
Front/Back 0,32 dB
Beamwidth 58,2 deg.; -3dB @ 16,0, 74,2 deg.
Sidelobe Gain 1,64 dBi @ Az Angle = 139,0 deg.
Front/Sidelobe 0,0 dB

Total Field

EZNEC+

Vertical



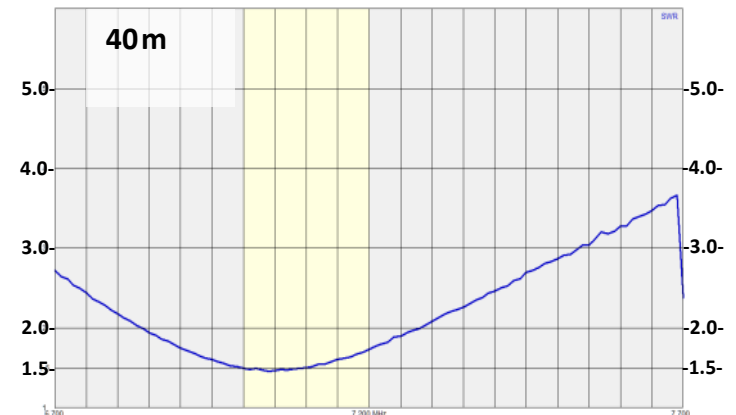
OCF-Dp 807L H12,5 InvV 8/6m

7,06 MHz

Elevation Plot
Azimuth Angle 40,0 deg.
Outer Ring 4,72 dBi

Cursor Elev 22,0 deg.
Gain 1,64 dBi
-2,39 dBmax
-3,08 dBmax3D

3D Max Gain 4,72 dBi
Slice Max Gain 4,03 dBi @ Elev Angle = 43,0 deg.
Beamwidth 46,5 deg.; -3dB @ 19,9, 66,4 deg.
Sidelobe Gain 3,83 dBi @ Elev Angle = 136,0 deg.
Front/Sidelobe 0,2 dB

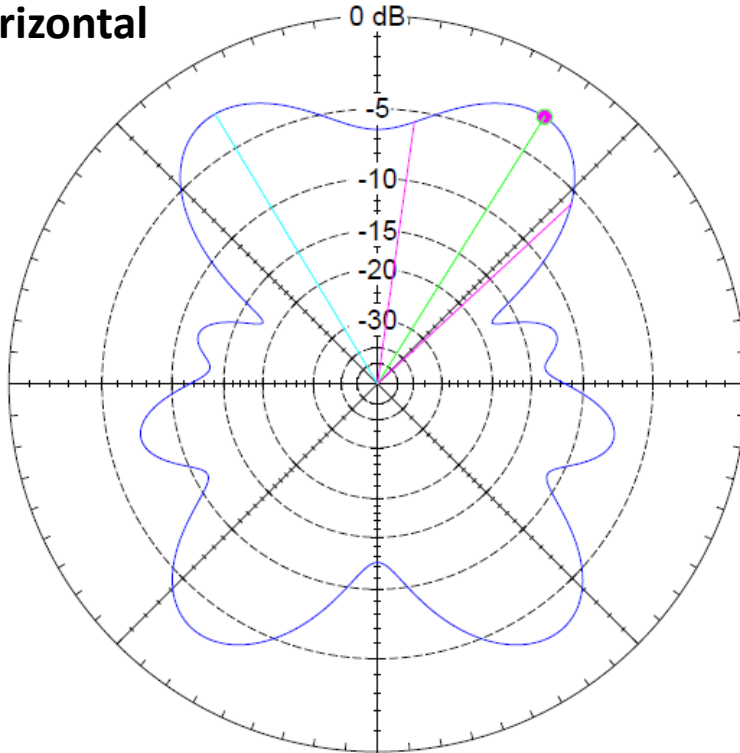


Aerial-51 Model 807-xx – 20m

Total Field

EZNEC+

Horizontal



OCF-Dp 807L H12,5 InvV 8/6m

14,2 MHz

Azimuth Plot
Elevation Angle 11,0 deg.
Outer Ring 5,69 dBi

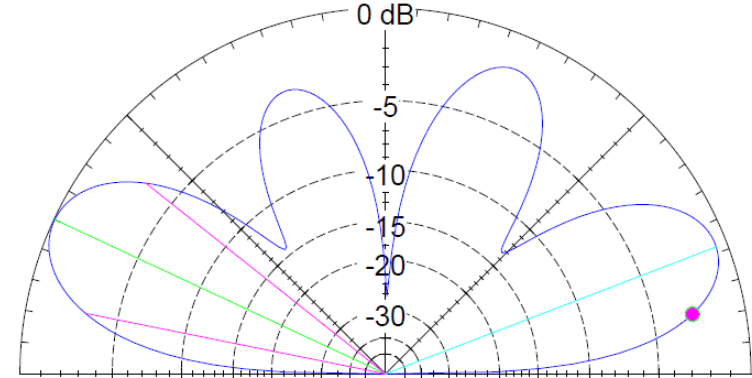
3D Max Gain 5,69 dBi
Slice Max Gain 3,02 dBi @ Az Angle = 58,0 deg.
Front/Back 0,59 dB
Beamwidth 39,1 deg.; -3dB @ 42,9, 82,0 deg.
Sidelobe Gain 3,02 dBi @ Az Angle = 121,0 deg.
Front/Sidelobe 0,0 dB

Cursor Az 58,0 deg.
Gain 3,02 dBi
0,0 dBmax
-2,67 dBmax3D

Total Field

EZNEC+

Vertical



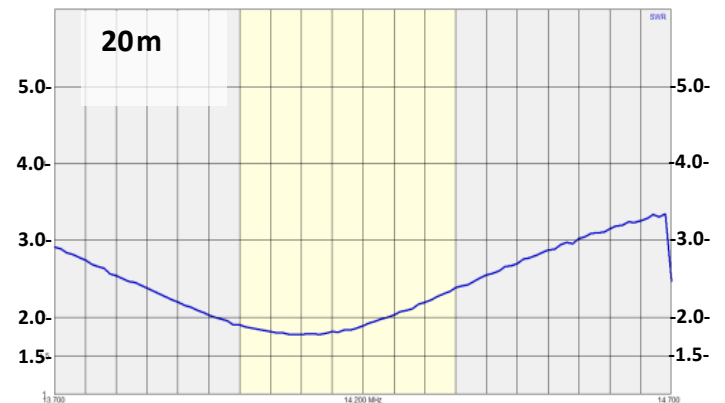
OCF-Dp 807L H12,5 InvV 8/6m

14,2 MHz

Elevation Plot
Azimuth Angle 58,0 deg.
Outer Ring 5,69 dBi

3D Max Gain 5,69 dBi
Slice Max Gain 5,66 dBi @ Elev Angle = 155,0 deg.
Beamwidth 27,1 deg.; -3dB @ 141,5, 168,6 deg.
Sidelobe Gain 5,16 dBi @ Elev Angle = 21,0 deg.
Front/Sidelobe 0,5 dB

Cursor Elev 11,0 deg.
Gain 3,02 dBi
-2,64 dBmax
-2,67 dBmax3D

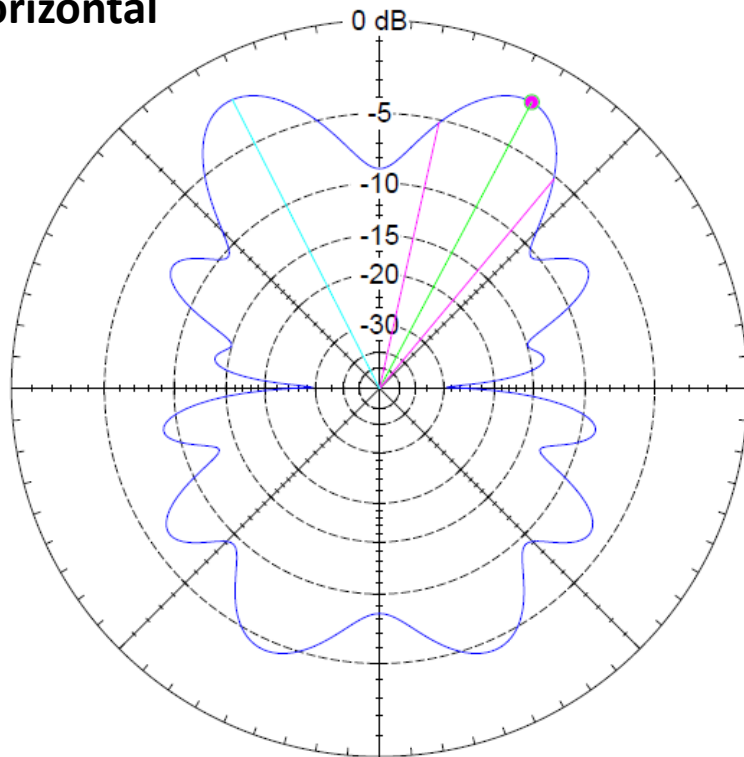


Aerial-51 Model 807-xx – 15m

Total Field

EZNEC+

Horizontal



OCF-Dp 807L H12,5 InvV 8/6m

21,3 MHz

Azimuth Plot
Elevation Angle 8,0 deg.
Outer Ring 7,44 dBi

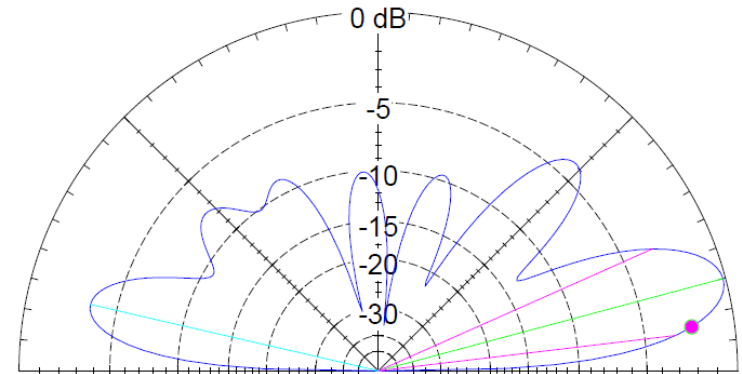
Cursor Az 62,0 deg.
Gain 5,26 dBi
0,0 dBmax
-2,18 dBmax3D

3D Max Gain 7,44 dBi
Slice Max Gain 5,26 dBi @ Az Angle = 62,0 deg.
Front/Back 2,42 dB
Beamwidth 27,2 deg.; -3dB @ 50,2, 77,4 deg.
Sidelobe Gain 5,26 dBi @ Az Angle = 117,0 deg.
Front/Sidelobe 0,0 dB

Total Field

EZNEC+

Vertical



OCF-Dp 807L H12,5 InvV 8/6m

21,3 MHz

Elevation Plot
Azimuth Angle 62,0 deg.
Outer Ring 7,44 dBi

Cursor Elev 8,0 deg.
Gain 5,26 dBi
-2,07 dBmax
-2,18 dBmax3D

3D Max Gain 7,44 dBi
Slice Max Gain 7,33 dBi @ Elev Angle = 15,0 deg.
Beamwidth 17,2 deg.; -3dB @ 6,8, 24,0 deg.
Sidelobe Gain 4,08 dBi @ Elev Angle = 167,0 deg.
Front/Sidelobe 3,25 dB

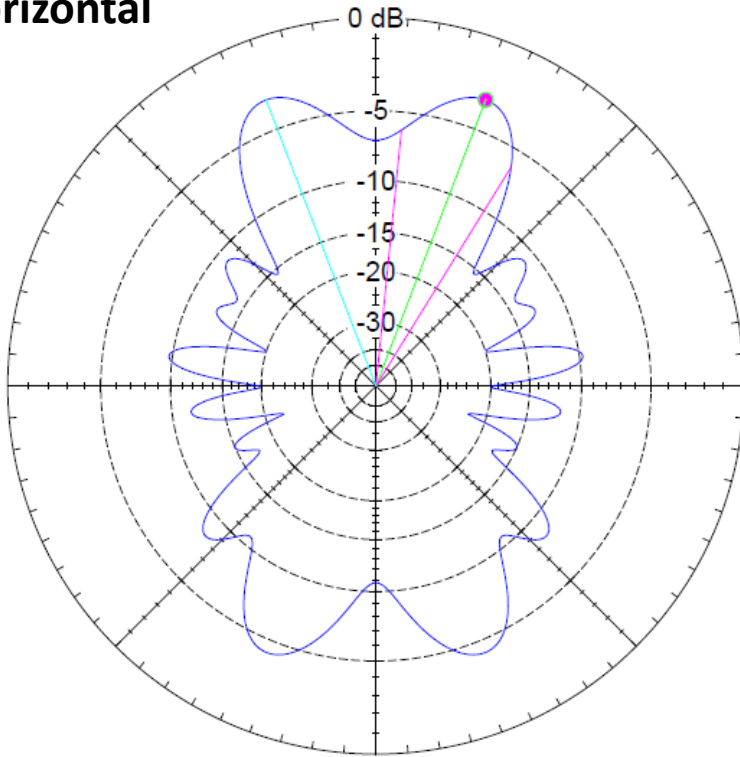


Aerial-51 Model 807-xx – 10m

Total Field

EZNEC+

Horizontal



OCF-Dp 807L H12,5 InvV 8/6m

28,5 MHz

Azimuth Plot
Elevation Angle 5,0 deg.
Outer Ring 7,85 dBi

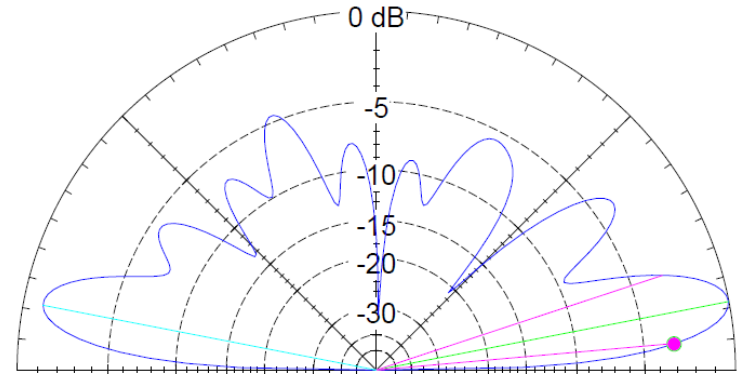
Cursor Az 69,0 deg.
Gain 4,7 dBi
0,0 dBmax
-3,15 dBmax3D

3D Max Gain 7,85 dBi
Slice Max Gain 4,7 dBi @ Az Angle = 69,0 deg.
Front/Back 1,09 dB
Beamwidth 26,0 deg.; -3dB @ 58,3, 84,3 deg.
Sidelobe Gain 4,7 dBi @ Az Angle = 111,0 deg.
Front/Sidelobe 0,0 dB

Total Field

EZNEC+

Vertical



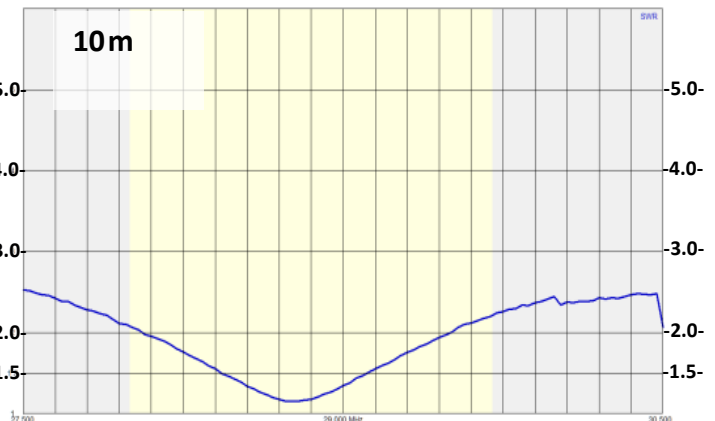
OCF-Dp 807L H12,5 InvV 8/6m

28,5 MHz

Elevation Plot
Azimuth Angle 69,0 deg.
Outer Ring 7,85 dBi

Cursor Elev 5,0 deg.
Gain 4,7 dBi
-3,13 dBmax
-3,15 dBmax3D

3D Max Gain 7,85 dBi
Slice Max Gain 7,83 dBi @ Elev Angle = 11,0 deg.
Beamwidth 13,2 deg.; -3dB @ 5,1, 18,3 deg.
Sidelobe Gain 6,89 dBi @ Elev Angle = 169,0 deg.
Front/Sidelobe 0,94 dB

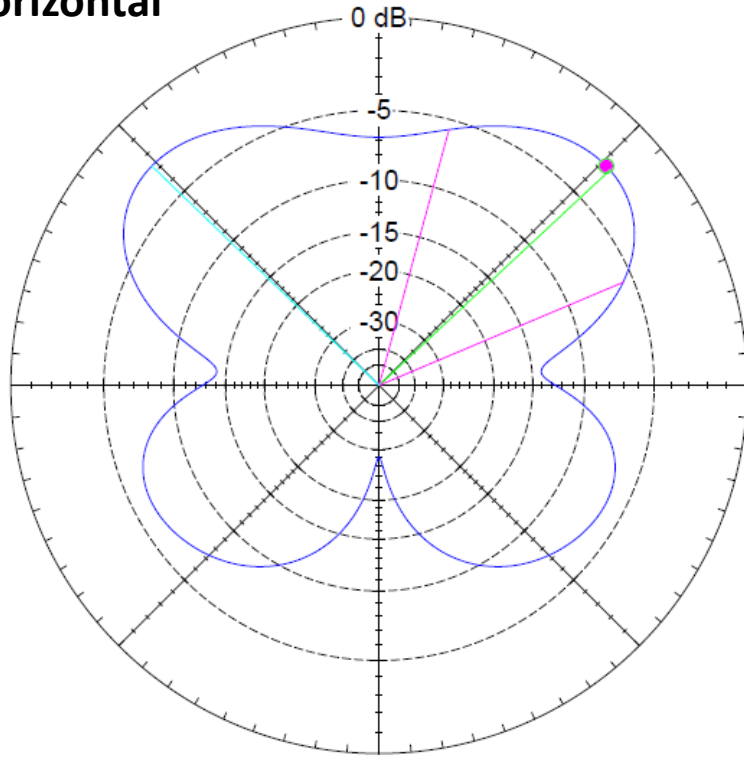


Aerial-51 Model 807-xx – 30m

Total Field

EZNEC+

Horizontal



OCF-Dp 807L H12,5 InvV 8/6m 10,125 MHz

Azimuth Plot
Elevation Angle 17,0 deg.
Outer Ring 6,14 dBi

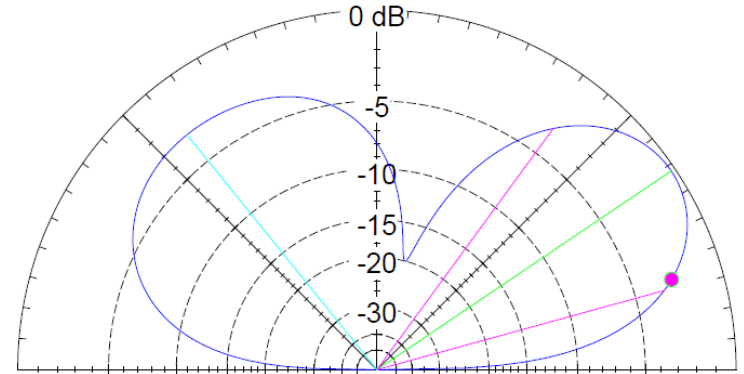
Cursor Az 44,0 deg.
Gain 3,51 dBi
0,0 dBmax
-2,63 dBmax3D

3D Max Gain 6,14 dBi
Slice Max Gain 3,51 dBi @ Az Angle = 43,0 deg.
Front/Back 4,48 dB
Beamwidth 51,8 deg.; -3dB @ 22,9, 74,7 deg.
Sidelobe Gain 3,51 dBi @ Az Angle = 136,0 deg.
Front/Sidelobe 0,0 dB

Total Field

EZNEC+

Vertical



OCF-Dp 807L H12,5 InvV 8/6m 10,125 MHz

Elevation Plot
Azimuth Angle 44,0 deg.
Outer Ring 6,14 dBi

Cursor Elev 17,0 deg.
Gain 3,51 dBi
-2,43 dBmax
-2,63 dBmax3D

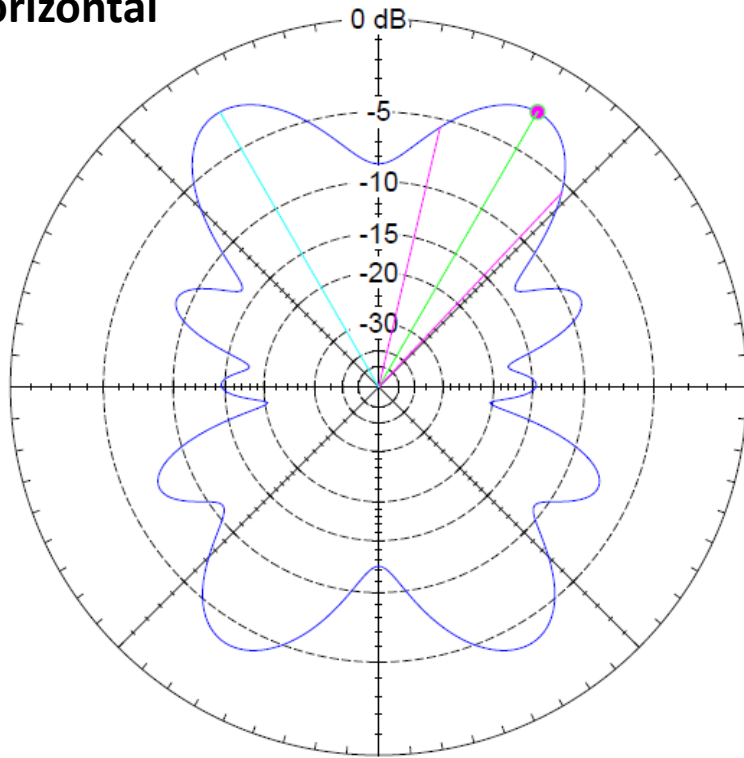
3D Max Gain 6,14 dBi
Slice Max Gain 5,94 dBi @ Elev Angle = 34,0 deg.
Beamwidth 38,4 deg.; -3dB @ 15,4, 53,8 deg.
Sidelobe Gain 3,16 dBi @ Elev Angle = 129,0 deg.
Front/Sidelobe 2,78 dB

Aerial-51 Model 807-xx – 18m

Total Field

EZNEC+

Horizontal



OCF-Dp 807L H12,5 InvV 8/6m

18,07 MHz

Azimuth Plot
Elevation Angle 9,0 deg.
Outer Ring 6,88 dBi

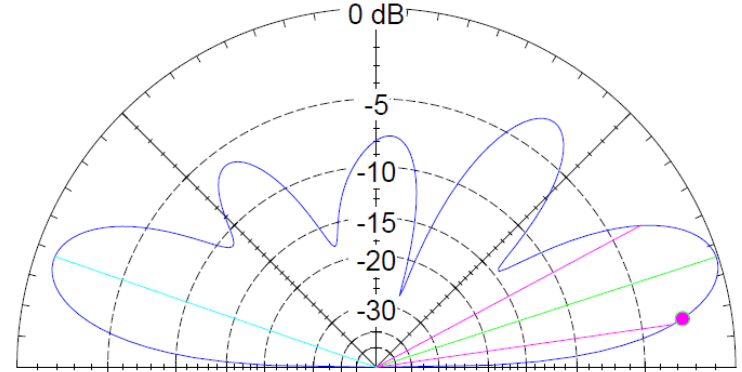
Cursor Az 60,0 deg.
Gain 4,35 dBi
0,0 dBmax
-2,54 dBmax3D

3D Max Gain 6,88 dBi
Slice Max Gain 4,35 dBi @ Az Angle = 60,0 deg.
Front/Back 1,08 dB
Beamwidth 30,0 deg.; -3dB @ 46,7, 76,7 deg.
Sidelobe Gain 4,35 dBi @ Az Angle = 120,0 deg.
Front/Sidelobe 0,0 dB

Total Field

EZNEC+

Vertical



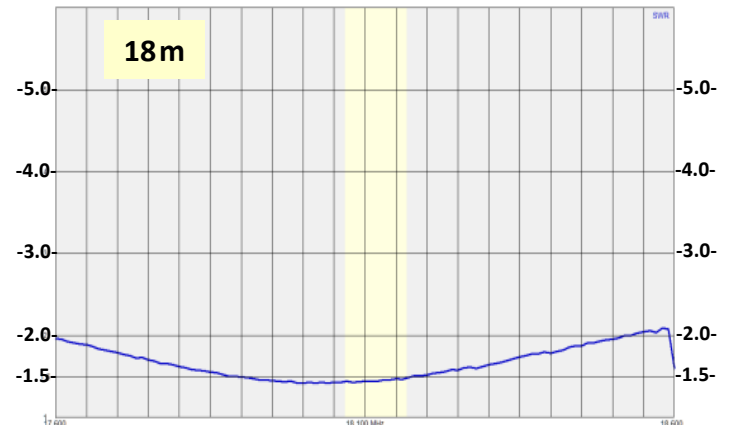
OCF-Dp 807L H12,5 InvV 8/6m

18,07 MHz

Elevation Plot
Azimuth Angle 60,0 deg.
Outer Ring 6,88 dBi

Cursor Elev 9,0 deg.
Gain 4,35 dBi
-2,45 dBmax
-2,54 dBmax3D

3D Max Gain 6,88 dBi
Slice Max Gain 6,79 dBi @ Elev Angle = 18,0 deg.
Beamwidth 20,0 deg.; -3dB @ 8,2, 28,2 deg.
Sidelobe Gain 5,93 dBi @ Elev Angle = 161,0 deg.
Front/Sidelobe 0,86 dB

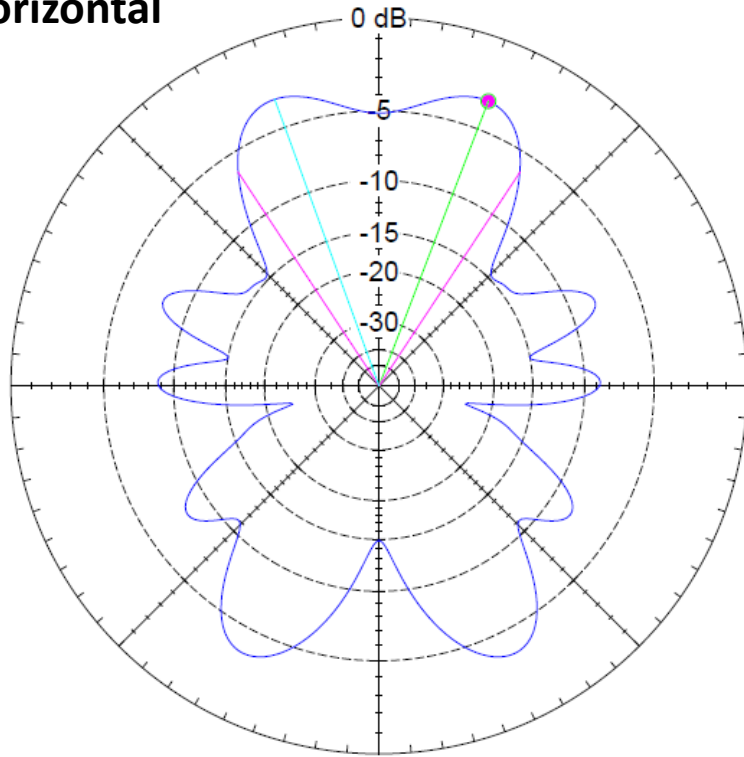


Aerial-51 Model 807-xx – 12m

Total Field

EZNEC+

Horizontal



OCF-Dp 807L H12,5 InvV 8/6m

24,89 MHz

Azimuth Plot
Elevation Angle 6,0 deg.
Outer Ring 7,54 dBi

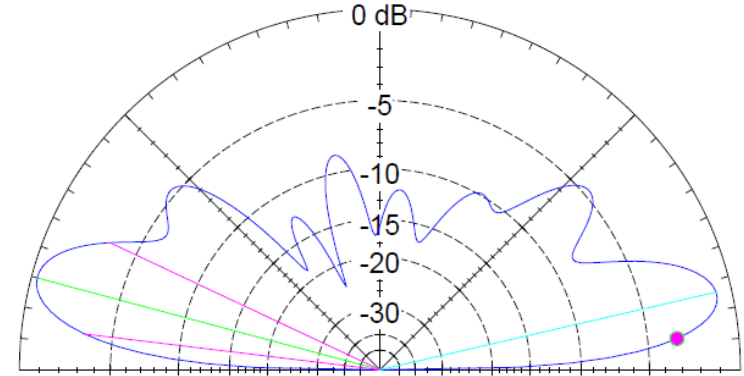
3D Max Gain 7,54 dBi
Slice Max Gain 4,31 dBi @ Az Angle = 69,0 deg.
Front/Back 0,98 dB
Beamwidth 66,8 deg.; -3dB @ 56,6, 123,4 deg.
Sidelobe Gain 4,31 dBi @ Az Angle = 110,0 deg.
Front/Sidelobe 0,0 dB

Cursor Az 69,0 deg.
Gain 4,31 dBi
0,0 dBmax
-3,23 dBmax3D

Total Field

EZNEC+

Vertical



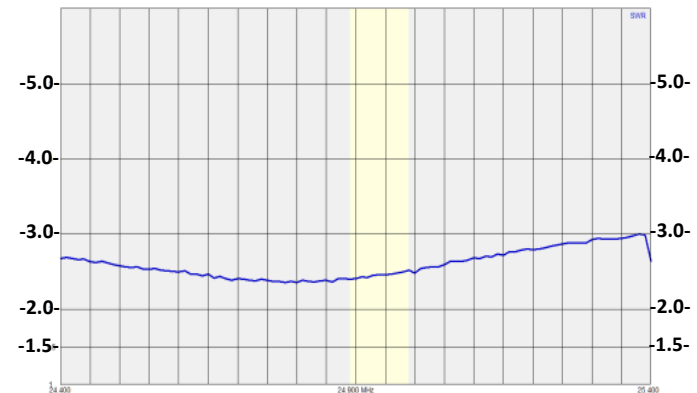
OCF-Dp 807L H12,5 InvV 8/6m

24,89 MHz

Elevation Plot
Azimuth Angle 69,0 deg.
Outer Ring 7,54 dBi

3D Max Gain 7,54 dBi
Slice Max Gain 7,27 dBi @ Elev Angle = 165,0 deg.
Beamwidth 18,3 deg.; -3dB @ 154,8, 173,1 deg.
Sidelobe Gain 6,79 dBi @ Elev Angle = 13,0 deg.
Front/Sidelobe 0,48 dB

Cursor Elev 6,0 deg.
Gain 4,31 dBi
-2,96 dBmax
-3,23 dBmax3D

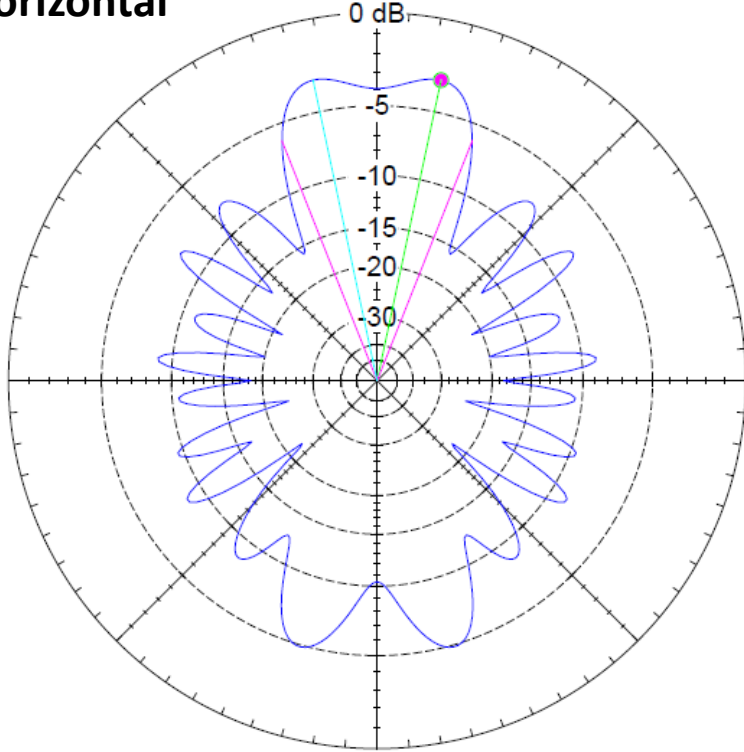


Aerial-51 Model 807-xx – 6m

Total Field

EZNEC+

Horizontal



OCF-Dp 807L H12,5 InvV 8/6m

50,15 MHz

Azimuth Plot
Elevation Angle 3,0 deg.
Outer Ring 8,93 dBi

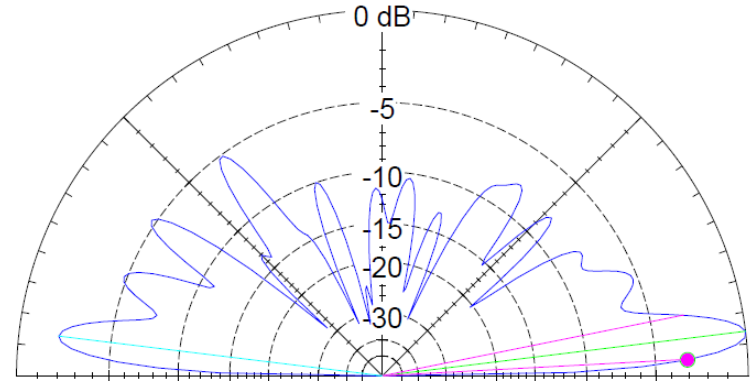
Cursor Az 78,0 deg.
Gain 5,84 dBi
0,0 dBmax
-3,09 dBmax3D

3D Max Gain 8,93 dBi
Slice Max Gain 5,84 dBi @ Az Angle = 78,0 deg.
Front/Back 2,44 dB
Beamwidth 43,2 deg.; -3dB @ 68,4, 111,6 deg.
Sidelobe Gain 5,84 dBi @ Az Angle = 102,0 deg.
Front/Sidelobe 0,0 dB

Total Field

EZNEC+

Vertical



OCF-Dp 807L H12,5 InvV 8/6m

50,15 MHz

Elevation Plot
Azimuth Angle 78,0 deg.
Outer Ring 8,93 dBi

Cursor Elev 3,0 deg.
Gain 5,84 dBi
-3,09 dBmax
-3,09 dBmax3D

3D Max Gain 8,93 dBi
Slice Max Gain 8,93 dBi @ Elev Angle = 7,0 deg.
Beamwidth 8,3 deg.; -3dB @ 3,1, 11,4 deg.
Sidelobe Gain 6,94 dBi @ Elev Angle = 173,0 deg.
Front/Sidelobe 1,99 dB

