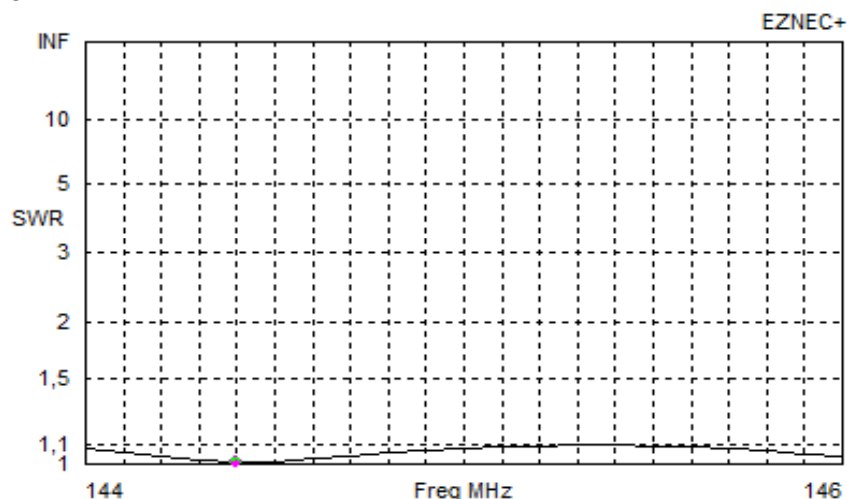


**Bausatz 5 ele Yagi 144 MHz mit 1,52m Boom im 28 Ohm Design**  
**Antenna kit 5 ele Yagi 144 MHz with 1,52m boom in 28 Ohm Design**

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1026	0
Strahler / Radiator	8	987	315
Direktor 1 / Director 1	8	945	545
Direktor 2 / Director 2	8	933	1025
Direktor 3 / Director 3	8	903	1485

**SWR:**

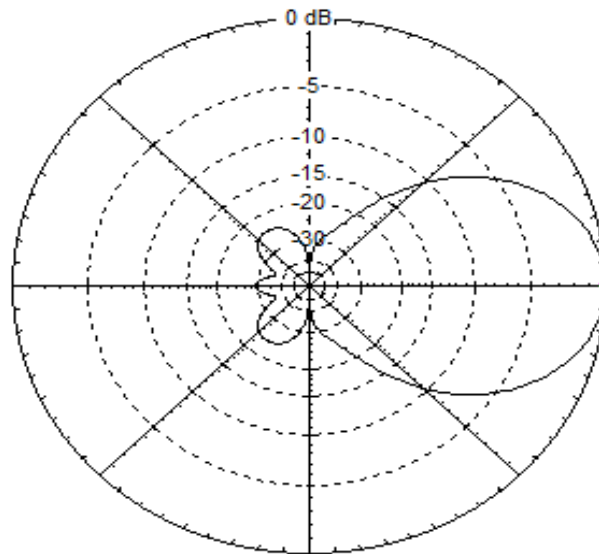


Freq 144,4 MHz Source # 1  
 SWR 1,007 Z0 28 ohms  
 Z 28,1 at -0,31 deg.  
 = 28,1 - j 0,1541 ohms  
 Refl Coeff 0,003311 at -55,87 deg.  
 = 0,001858 - j 0,002741  
 Ret Loss 49,6 dB

### Azimuth:

Total Field

EZNEC+



144,3 MHz

Azimuth Plot  
Elevation Angle 0,0 deg.  
Outer Ring 8,37 dBref

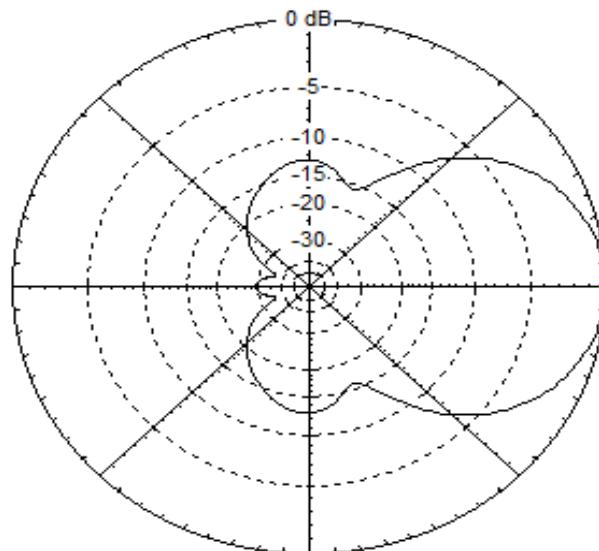
Cursor Az 0,0 deg.  
Gain 8,37 dBref  
0,0 dBmax

Slice Max Gain 8,37 dBref @ Az Angle = 0,0 deg.  
Front/Back 29,48 dB  
Beamwidth 50,8 deg.; -3dB @ 334,6, 25,4 deg.  
Sidelobe Gain -15,46 dBref @ Az Angle = 125,0 deg.  
Front/Sidelobe 23,83 dB

### Elevation:

Total Field

EZNEC+



144,3 MHz

Elevation Plot  
Azimuth Angle 0,0 deg.  
Outer Ring 8,37 dBref

Cursor Elev 0,0 deg.  
Gain 8,37 dBref  
0,0 dBmax

Slice Max Gain 8,37 dBref @ Elev Angle = 0,0 deg.  
Front/Back 29,48 dB  
Beamwidth 64,0 deg.; -3dB @ 328,0, 32,0 deg.  
Sidelobe Gain -4,42 dBref @ Elev Angle = 91,0 deg.  
Front/Sidelobe 12,79 dB