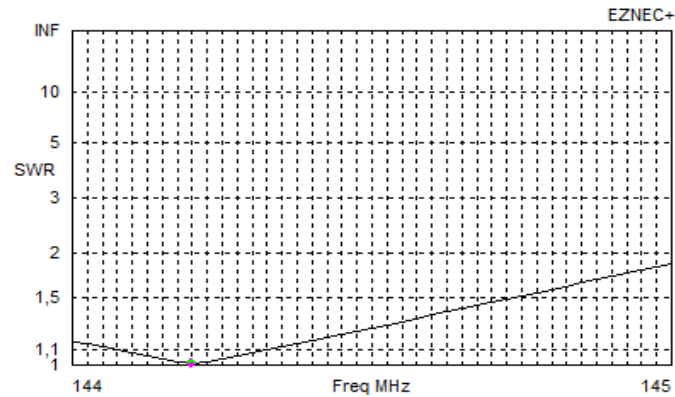


**Bausatz 2 ele Yagi 144 MHz mit 0,15m Boom im 12,5 Ohm Design**  
**Antenna kit 2 ele Yagi 144 MHz with 0,15m boom in 12,5 Ohm Design**

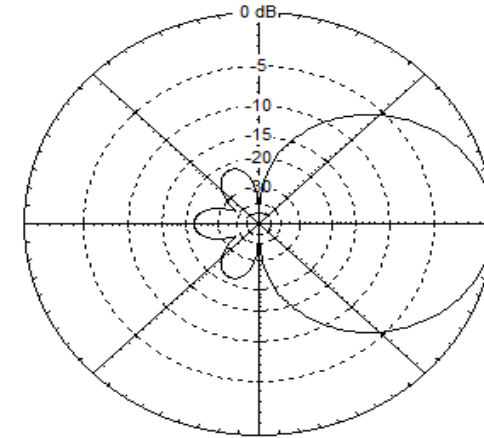
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Strahler / Radiator	8	1027	0
Direktor / Director	8	964	125

**SWR:**



Freq 144,2 MHz Source # 1  
 SWR 1,011 Z0 12,5 ohms  
 Z 12,37 at -0,25 deg.  
 = 12,37 - j 0,05449 ohms  
 Refl Coeff 0,005604 at -156,86 deg.  
 = -0,005153 - j 0,002202  
 Ret Loss 45,0 dB

**Azimuth:**  
Total Field



EZNEC+

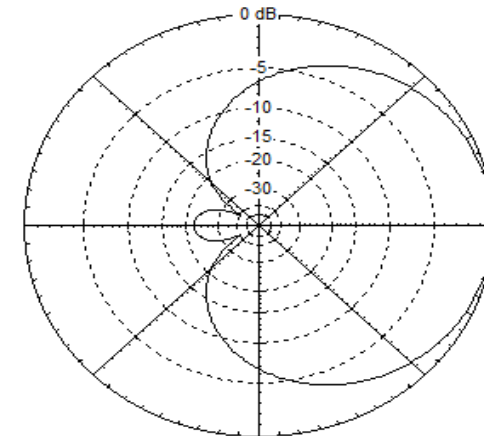
144,25 MHz

Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 4,65 dBref

Cursor Az 0,0 deg.  
 Gain 4,65 dBref  
 0,0 dBmax

Slice Max Gain 4,65 dBref @ Az Angle = 0,0 deg.  
 Front/Back 22,0 dB  
 Beamwidth 67,2 deg.; -3dB @ 326,4, 33,6 deg.  
 Sidelobe Gain -17,0 dBref @ Az Angle = 117,0 deg.  
 Front/Sidelobe 21,65 dB

**Elevation:**  
Total Field



EZNEC+

144,25 MHz

Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 4,65 dBref

Cursor Elev 0,0 deg.  
 Gain 4,65 dBref  
 0,0 dBmax

Slice Max Gain 4,65 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 22,0 dB  
 Beamwidth 127,4 deg.; -3dB @ 296,3, 63,7 deg.  
 Sidelobe Gain -17,35 dBref @ Elev Angle = 180,0 deg.  
 Front/Sidelobe 22,0 dB