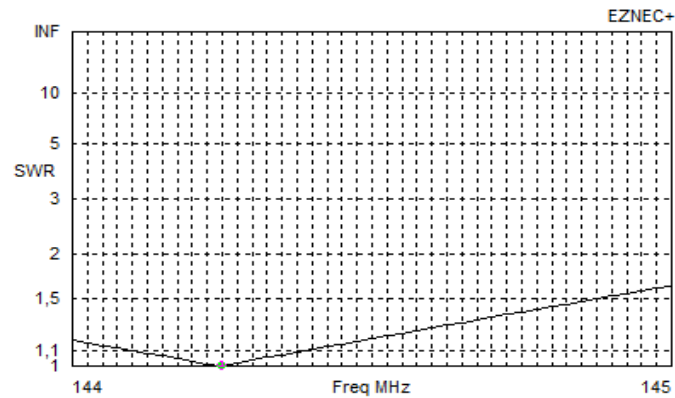


**Bausatz 3 ele Yagi 144 MHz mit 0,82m Boom im 12,5 Ohm Design**  
**Antenna kit 3 ele Yagi 144 MHz with 0,82m boom in 12,5 Ohm Design**

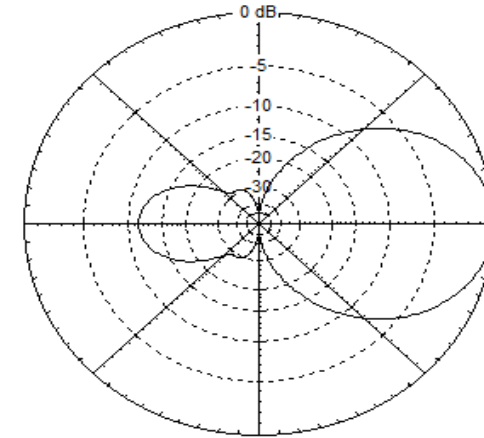
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1017	0
Strahler / Radiator	10	944	310
Direktor / Director	8	920	800

**SWR:**



Freq 144,25 MHz Source # 1  
 SWR 1,004 Z0 12,5 ohms  
 Z 12,5 at 0,21 deg.  
 = 12,5 + j 0,04581 ohms  
 Refl Coeff 0,001834 at 87,37 deg.  
 = 8,426E-05 + j 0,001832  
 Ret Loss 54,7 dB

**Azimuth:**  
Total Field



EZNEC+

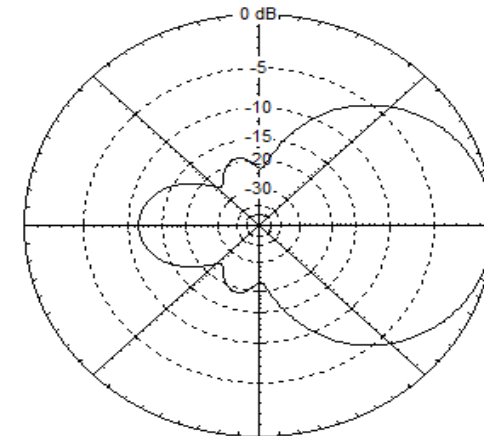
144,2 MHz

Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 7,26 dBref

Cursor Az 0,0 deg.  
 Gain 7,26 dBref  
 0,0 dBmax

Slice Max Gain 7,26 dBref @ Az Angle = 0,0 deg.  
 Front/Back 11,46 dB  
 Beamwidth 57,2 deg.; -3dB @ 331,4, 28,6 deg.  
 Sidelobe Gain -4,2 dBref @ Az Angle = 180,0 deg.  
 Front/Sidelobe 11,46 dB

**Elevation:**  
Total Field



EZNEC+

144,2 MHz

Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 7,26 dBref

Cursor Elev 0,0 deg.  
 Gain 7,26 dBref  
 0,0 dBmax

Slice Max Gain 7,26 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 11,46 dB  
 Beamwidth 79,6 deg.; -3dB @ 320,2, 39,8 deg.  
 Sidelobe Gain -4,2 dBref @ Elev Angle = 180,0 deg.  
 Front/Sidelobe 11,46 dB