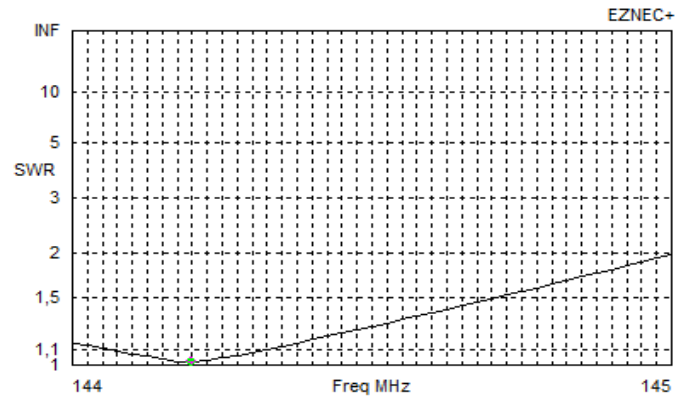


**Bausatz 4 ele Yagi 144 MHz mit 1,27m Boom im 12,5 Ohm Design**  
**Antenna kit 4 ele Yagi 144 MHz with 1,27m boom in 12,5 Ohm Design**

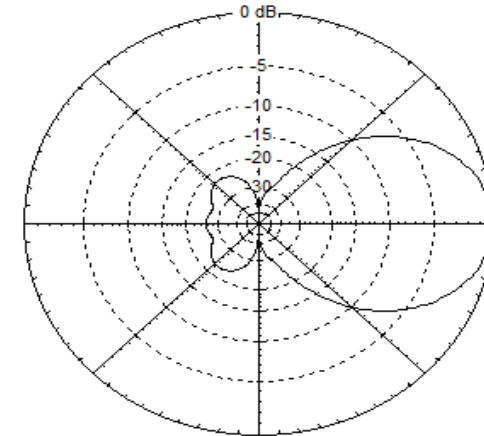
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1026	0
Strahler / Radiator	10	965	260
Direktor 1 / Director 1	8	938	720
Direktor 2 / Director 2	8	916	1245

**SWR:**



Freq 144,2 MHz Source # 1  
 SWR 1,017 Z0 12,5 ohms  
 Z = 12,67 at 0,57 deg.  
 = 12,67 + j 0,1266 ohms  
 Refl Coeff 0,008519 at 35,88 deg.  
 = 0,006902 + j 0,004993  
 Ret Loss 41,4 dB

**Azimuth:**  
Total Field



EZNEC+

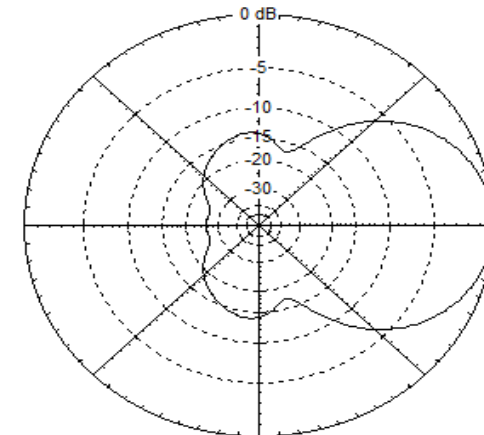
144,225 MHz

Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 8,25 dBref

Cursor Az 0,0 deg.  
 Gain 8,25 dBref  
 0,0 dBmax

Slice Max Gain 8,25 dBref @ Az Angle = 0,0 deg.  
 Front/Back 25,4 dB  
 Beamwidth 51,5 deg.; -3dB @ 334,2, 25,7 deg.  
 Sidelobe Gain -14,31 dBref @ Az Angle = 131,0 deg.  
 Front/Sidelobe 22,56 dB

**Elevation:**  
Total Field



EZNEC+

144,225 MHz

Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 8,25 dBref

Cursor Elev 0,0 deg.  
 Gain 8,25 dBref  
 0,0 dBmax

Slice Max Gain 8,25 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 25,4 dB  
 Beamwidth 65,8 deg.; -3dB @ 327,1, 32,9 deg.  
 Sidelobe Gain -5,77 dBref @ Elev Angle = 96,0 deg.  
 Front/Sidelobe 14,02 dB