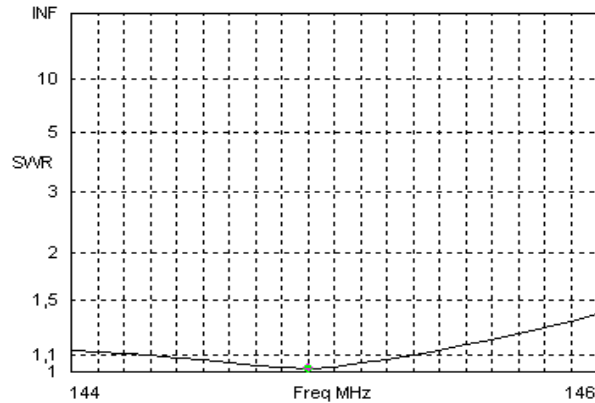


**Bausatz 4 ele Yagi 144 MHz mit 1,00m Boom im 28 Ohm Design**  
**Antenna kit 4 ele Yagi 144 MHz with 1,00m boom in 28 Ohm Design**

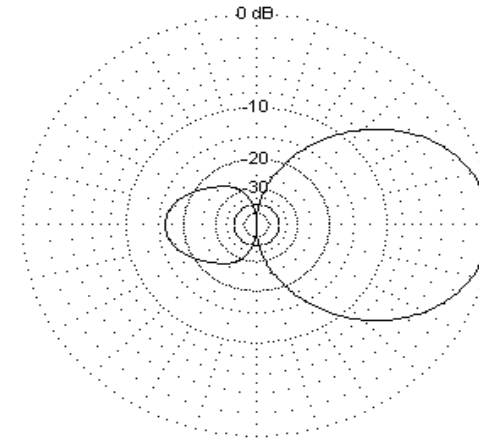
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1036	0
Strahler / Radiator	8	988	230
Direktor 1 / Director 1	8	940	495
Direktor 2 / Director 2	8	893	980

**SWR:**



Freq 144,9 MHz Source # 1  
 SWR 1,018 Z0 28 ohms  
 Z 27,81 - j 0,4521 ohms  
 Refl Coeff 0,008795 at -112,45 deg.

**Azimuth:**



EZNEC-M

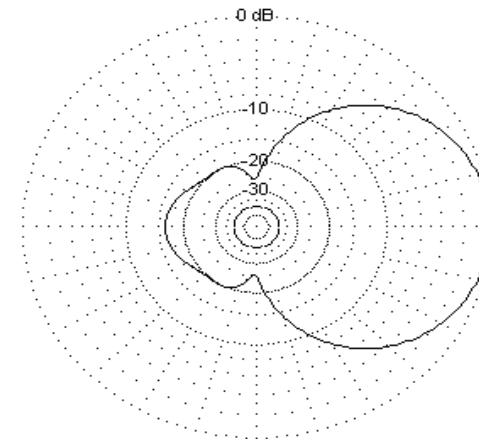
144,3 MHz

Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 7,23dBref

Cursor Az 0,0 deg.  
 Gain 7,23 dBref  
 0,0 dBmax

Slice Max Gain 7,23 dBref @ Az Angle = 0,0 deg.  
 Front/Back 16,11 dB  
 Beamwidth 57,6 deg.; -3dB @ 331,2, 28,8 deg.  
 Sidelobe Gain -8,88 dBref @ Az Angle = 180,0 deg.  
 Front/Sidelobe 16,11 dB

**Elevation:**



EZNEC-M

144,3 MHz

Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 7,23dBref

Cursor Elev 0,0 deg.  
 Gain 7,23 dBref  
 0,0 dBmax

Slice Max Gain 7,23 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 16,11 dB  
 Beamwidth 81,0 deg.; -3dB @ 319,5, 40,5 deg.  
 Sidelobe Gain -8,88 dBref @ Elev Angle = 180,0 deg.  
 Front/Sidelobe 16,11 dB