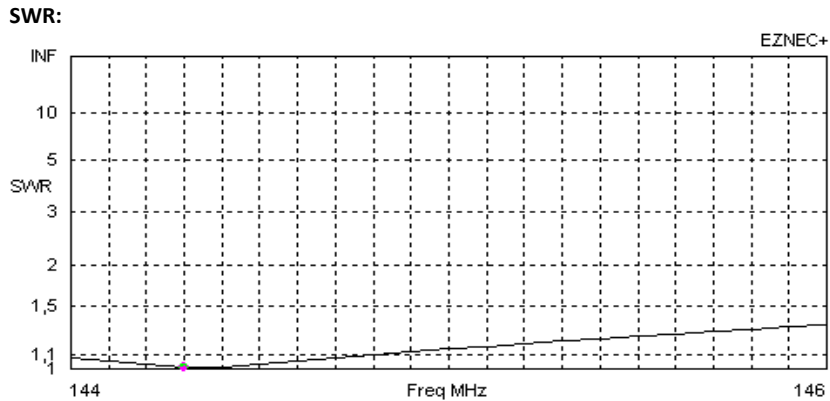


Bausatz 4 ele Yagi 144 MHz mit 1,00m Boom im 50 Ohm Design
Antenna kit 4 ele Yagi 144 MHz with 1,00m boom in 50 Ohm Design

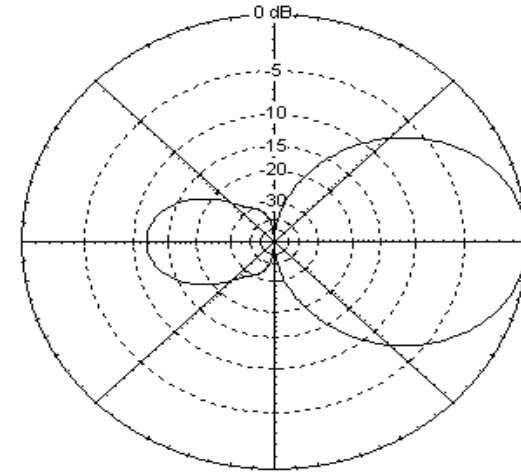
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	1022	0
Strahler / Radiator	4	977	260
Direktor 1 / Director 1	3,2	935	470
Direktor 2 / Director 2	3,2	915	985



Freq 144,3 MHz Source # 1
SWR 1,009 Z0 50 ohms
 Z = 49,65 at -0,28 deg.
 = 49,65 - j 0,2426 ohms
 Refl Coeff 0,004257 at -144,97 deg.
 = -0,003486 - j 0,002443
 Ret Loss 47,4 dB

Azimuth:
Total Field

EZNEC+



144,3 MHz

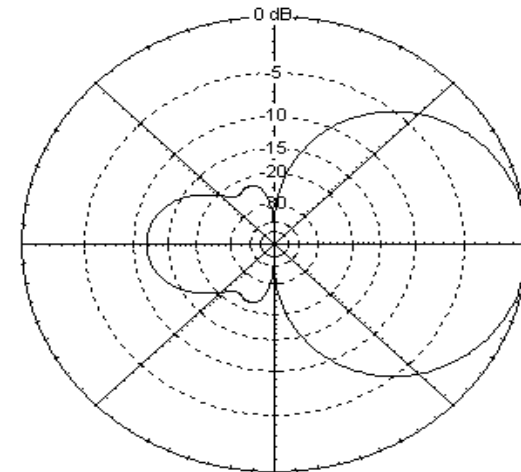
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 7,14 dBref

Cursor Az 0,0 deg.
 Gain 7,14 dBref
 0,0 dBmax

Slice Max Gain 7,14 dBref @ Az Angle = 0,0 deg.
 Front/Back 11,73 dB
 Beamwidth 58,0 deg.; -3dB @ 331,0, 29,0 deg.
 Sidelobe Gain -4,59 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 11,73 dB

Elevation:
Total Field

EZNEC+



144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 7,14 dBref

Cursor Elev 0,0 deg.
 Gain 7,14 dBref
 0,0 dBmax

Slice Max Gain 7,14 dBref @ Elev Angle = 0,0 deg.
 Front/Back 11,73 dB
 Beamwidth 81,8 deg.; -3dB @ 319,1, 40,9 deg.
 Sidelobe Gain -4,59 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 11,73 dB