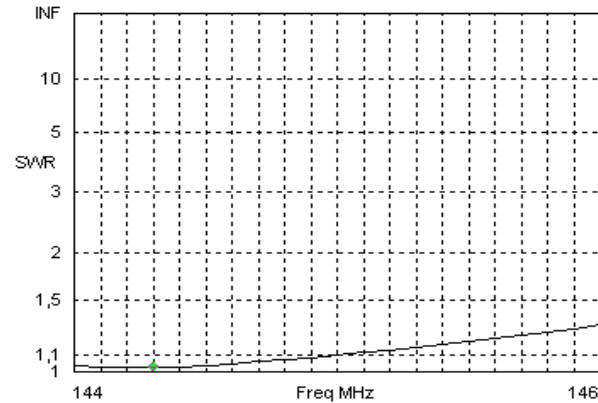


Bausatz 4 ele Yagi 144 MHz mit 0,78m Boom im 50 Ohm Design
Antenna kit 4 ele Yagi 144 MHz with 0,78m boom in 50 Ohm Design

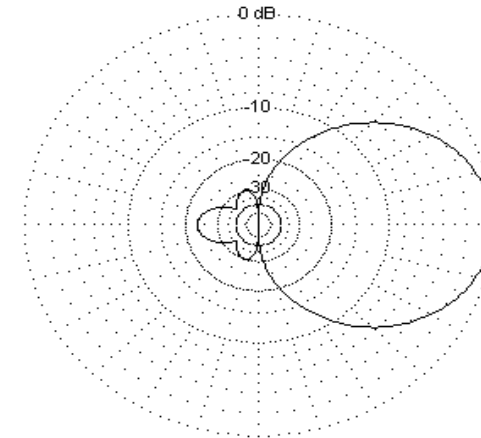
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1034	0
Strahler / Radiator	8	1034	250
Direktor 1 / Director 1	8	952	345
Direktor 2 / Director 2	8	874	755

SWR:



Freq 144,3 MHz Source # 1
 SWR 1,025 Z0 50 ohms
 Z 49,19 + j 0,9359 ohms
 Refl Coeff 0,01245 at 130,17 deg.

Azimuth:



EZNEC-M

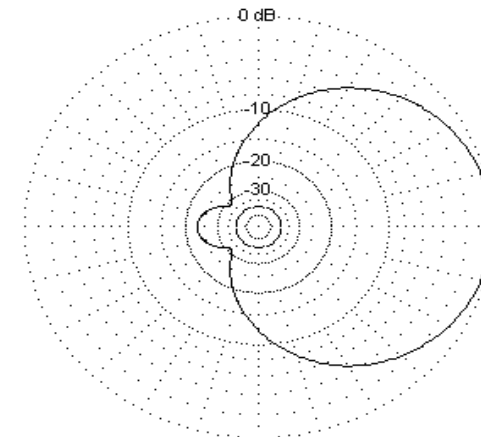
144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 6,09dBref

Cursor Az 0,0 deg.
 Gain 6,09 dBref
 0,0 dBmax

Slice Max Gain 6,09 dBref @ Az Angle = 0,0 deg.
 Front/Back 23,01 dB
 Beamwidth 62,2 deg.; -3dB @ 328,9, 31,1 deg.
 Sidelobe Gain -16,92 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 23,01 dB

Elevation:



EZNEC-M

144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 6,09dBref

Cursor Elev 0,0 deg.
 Gain 6,09 dBref
 0,0 dBmax

Slice Max Gain 6,09 dBref @ Elev Angle = 0,0 deg.
 Front/Back 23,01 dB
 Beamwidth 98,4 deg.; -3dB @ 310,8, 49,2 deg.
 Sidelobe Gain -16,92 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 23,01 dB