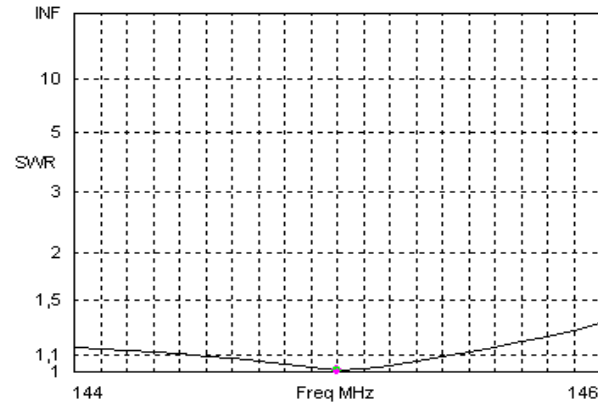


Bausatz 4 ele Yagi 144 MHz mit 1,18m Boom im 28 Ohm Design
Antenna kit 4 ele Yagi 144 MHz with 1,18m boom in 28 Ohm Design

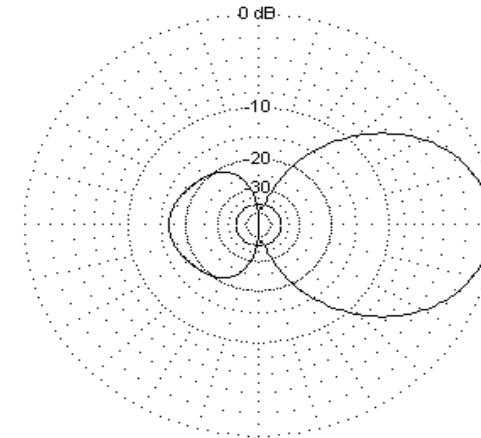
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1040	0
Strahler / Radiator	10	964	265
Direktor 1 / Director 1	8	926	675
Direktor 2 / Director 2	8	904	1160

SWR:



Freq 145 MHz Source # 1
 SWR 1,012 Z0 28 ohms
 Z 28,33 + j 0,09777 ohms
 Refl Coeff 0,00606 at 16,54 deg.

Azimuth:



EZNEC-M

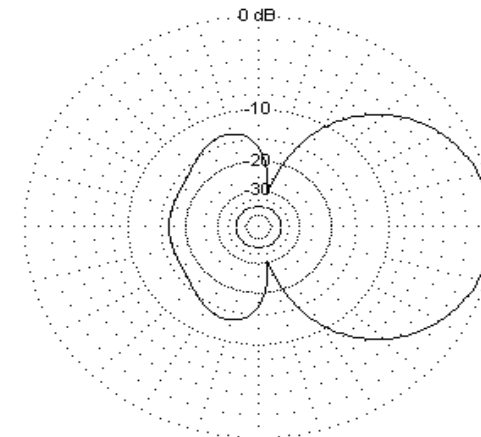
144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 7,65dBref

Cursor Az 0,0 deg.
 Gain 7,65 dBref
 0,0 dBmax

Slice Max Gain 7,65 dBref @ Az Angle = 0,0 deg.
 Front/Back 16,47 dB
 Beamwidth 55,0 deg.; -3dB @ 332,5, 27,5 deg.
 Sidelobe Gain -8,82 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 16,47 dB

Elevation:



EZNEC-M

144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 7,65dBref

Cursor Elev 0,0 deg.
 Gain 7,65 dBref
 0,0 dBmax

Slice Max Gain 7,65 dBref @ Elev Angle = 0,0 deg.
 Front/Back 16,47 dB
 Beamwidth 73,2 deg.; -3dB @ 323,4, 36,6 deg.
 Sidelobe Gain -5,73 dBref @ Elev Angle = 109,0 deg.
 Front/Sidelobe 13,37 dB