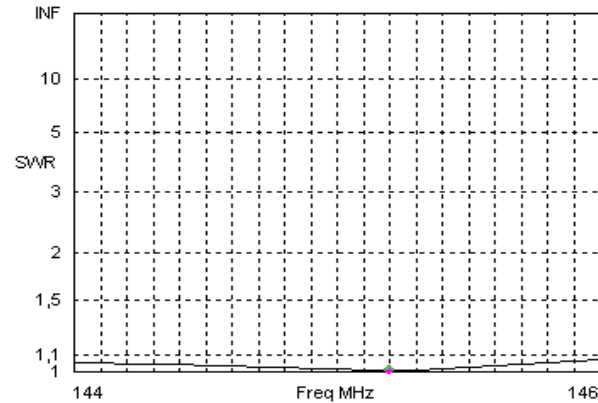


Bausatz 4 ele Yagi 144 MHz mit 0,78m Boom im 28 Ohm Design
Antenna kit 4 ele Yagi 144 MHz with 0,78m boom in 28 Ohm Design

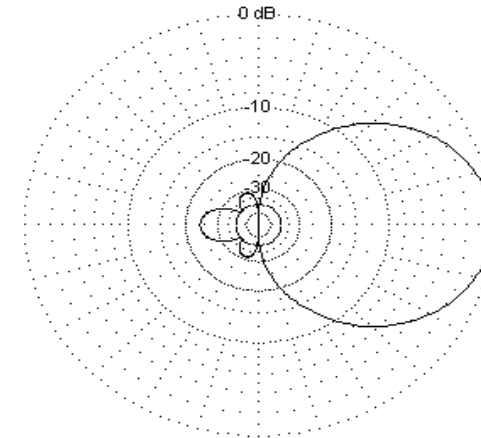
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1030	0
Strahler / Radiator	8	994	180
Direktor 1 / Director 1	8	944	335
Direktor 2 / Director 2	8	866	755

SWR:



Freq 145,2 MHz Source # 1
 SWR 1,01 Z0 28 ohms
 Z 27,88 - j 0,251 ohms
 Refl Coeff 0,004966 at -115,02 deg.

Azimuth:



EZNEC-M

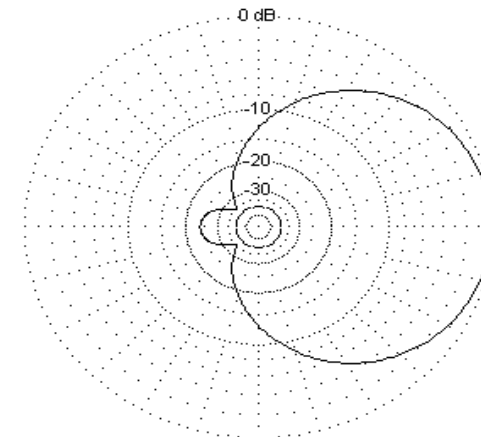
144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 6,26dBref

Cursor Az 0,0 deg.
 Gain 6,26 dBref
 0,0 dBmax

Slice Max Gain 6,26 dBref @ Az Angle = 0,0 deg.
 Front/Back 23,8 dB
 Beamwidth 61,6 deg.; -3dB @ 329,2, 30,8 deg.
 Sidelobe Gain -17,54 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 23,8 dB

Elevation:



EZNEC-M

144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 6,26dBref

Cursor Elev 0,0 deg.
 Gain 6,26 dBref
 0,0 dBmax

Slice Max Gain 6,26 dBref @ Elev Angle = 0,0 deg.
 Front/Back 23,8 dB
 Beamwidth 95,2 deg.; -3dB @ 312,4, 47,6 deg.
 Sidelobe Gain -17,54 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 23,8 dB