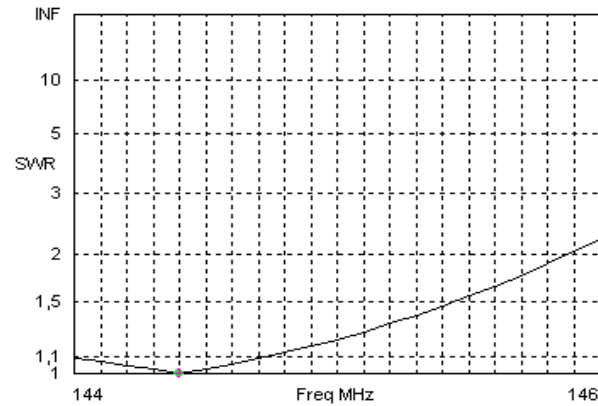


Bausatz 5 ele Yagi 144 MHz mit 1,40m Boom im 50 Ohm Design
Antenna kit 5 ele Yagi 144 MHz with 1,40m boom in 50 Ohm Design

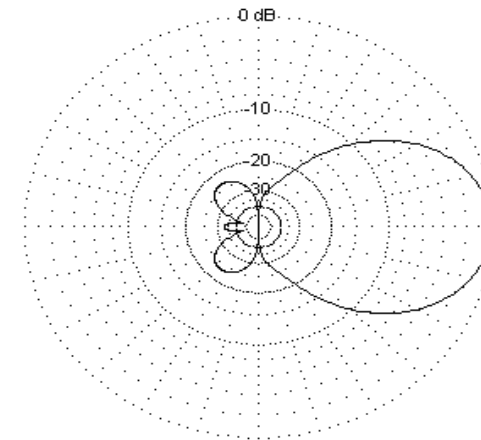
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1024	0
Strahler / Radiator	8	1014	290
Direktor 1 / Director 1	8	954	425
Direktor 2 / Director 2	8	938	890
Direktor 3 / Director 3	8	911	1380

SWR:



Freq 144,4 MHz Source # 1
 SWR 1,003 Z0 50 ohms
 Z 49,89 - j 0,1153 ohms
 Refl Coeff 0,001595 at -133,57 deg.

Azimuth:



EZNEC-M

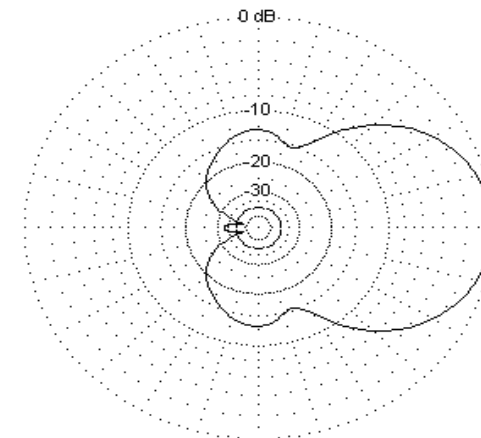
144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,28dBref

Cursor Az 0,0 deg.
 Gain 8,28 dBref
 0,0 dBmax

Slice Max Gain 8,28 dBref @ Az Angle = 0,0 deg.
 Front/Back 33,08 dB
 Beamwidth 51,0 deg.; -3dB @ 334,5, 25,5 deg.
 Sidelobe Gain -15,0 dBref @ Az Angle = 130,0 deg.
 Front/Sidelobe 23,27 dB

Elevation:



EZNEC-M

144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,28dBref

Cursor Elev 0,0 deg.
 Gain 8,28 dBref
 0,0 dBmax

Slice Max Gain 8,28 dBref @ Elev Angle = 0,0 deg.
 Front/Back 33,08 dB
 Beamwidth 64,8 deg.; -3dB @ 327,6, 32,4 deg.
 Sidelobe Gain -4,81 dBref @ Elev Angle = 92,0 deg.
 Front/Sidelobe 13,09 dB