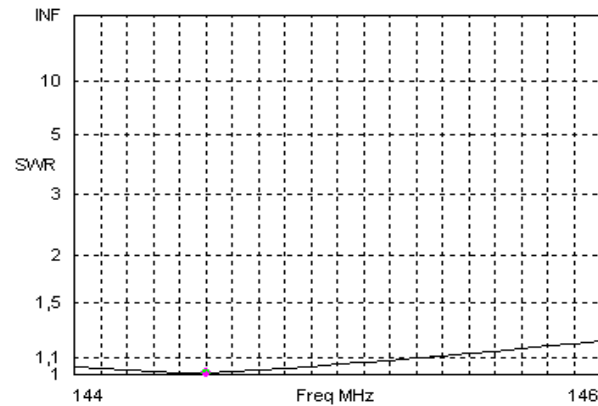


Bausatz 3 ele Yagi 144 MHz mit 0,49m Boom im 50 Ohm Design
Antenna kit 3 ele Yagi 144 MHz with 0,49m boom in 50 Ohm Design

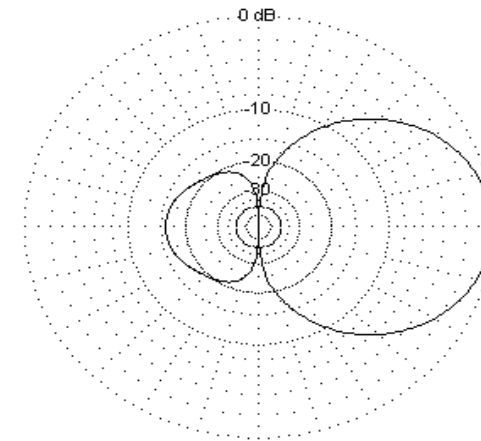
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1036	0
Strahler / Radiator	8	1020	300
Direktor / Director	8	910	470

SWR:



Freq 144,5 MHz Source # 1
 SWR 1,004 Z0 50 ohms
 Z 49,98 + j 0,2214 ohms
 Refl Coeff 0,002219 at 93,86 deg.

Azimuth:



EZNEC-M

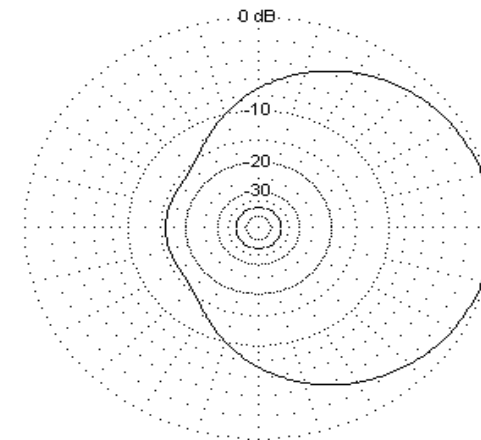
144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 4,77dBref

Cursor Az 0,0 deg.
 Gain 4,77 dBref
 0,0 dBmax

Slice Max Gain 4,77 dBref @ Az Angle = 0,0 deg.
 Front/Back 15,8 dB
 Beamwidth 66,6 deg.; -3dB @ 326,7, 33,3 deg.
 Sidelobe Gain -11,03 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 15,8 dB

Elevation:



EZNEC-M

144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 4,77dBref

Cursor Elev 0,0 deg.
 Gain 4,77 dBref
 0,0 dBmax

Slice Max Gain 4,77 dBref @ Elev Angle = 0,0 deg.
 Front/Back 15,8 dB
 Beamwidth 122,8 deg.; -3dB @ 298,6, 61,4 deg.
 Sidelobe Gain -11,03 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 15,8 dB