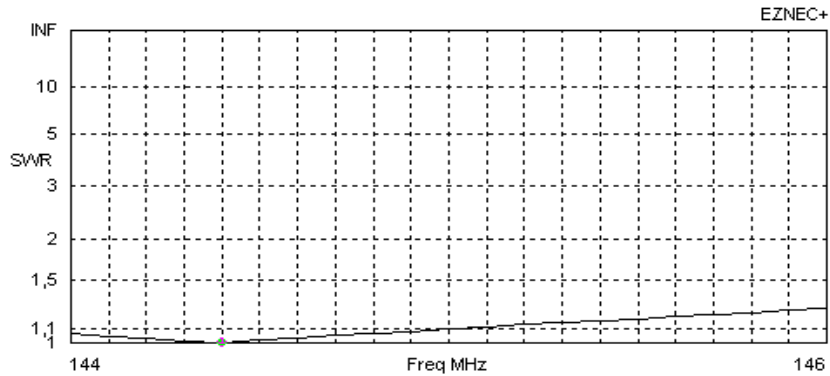


Bausatz 2 ele Yagi 144 MHz mit 0,39m Boom im 50 Ohm Design
Antenna kit 2 ele Yagi 144 MHz with 0,39m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	4	1032	0
Strahler / Radiator	4	950	370

SWR:

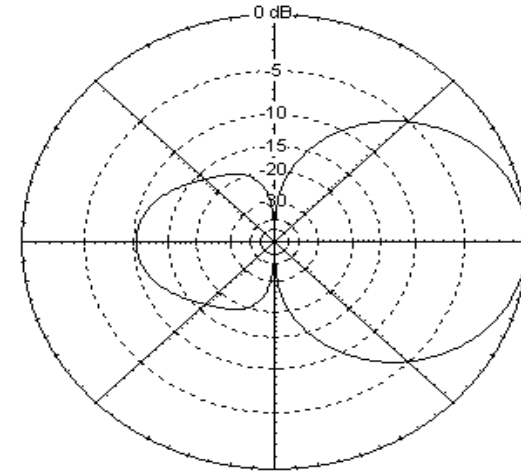


Freq 144,4 MHz Source # 1
SWR 1,004 Z0 50 ohms
 Z 49,96 at 0,22 deg.
 = 49,96 + j 0,1946 ohms
 Refl Coeff 0,001994 at 102,37 deg.
 = -0,000427 + j 0,001947
 Ret Loss 54,0 dB

Azimuth:

Total Field

EZNEC+



144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 4,09 dBref

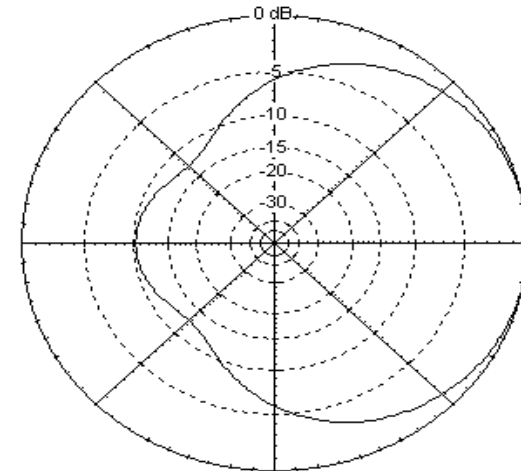
Cursor Az 0,0 deg.
 Gain 4,09 dBref
 0,0 dBmax

Slice Max Gain 4,09 dBref @ Az Angle = 0,0 deg.
 Front/Back 10,36 dB
 Beamwidth 69,8 deg.; -3dB @ 325,1, 34,9 deg.
 Sidelobe Gain -6,27 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 10,36 dB

Elevation:

Total Field

EZNEC+



144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 4,09 dBref

Cursor Elev 0,0 deg.
 Gain 4,09 dBref
 0,0 dBmax

Slice Max Gain 4,09 dBref @ Elev Angle = 0,0 deg.
 Front/Back 10,36 dB
 Beamwidth 138,0 deg.; -3dB @ 291,0, 69,0 deg.
 Sidelobe Gain -6,27 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 10,36 dB