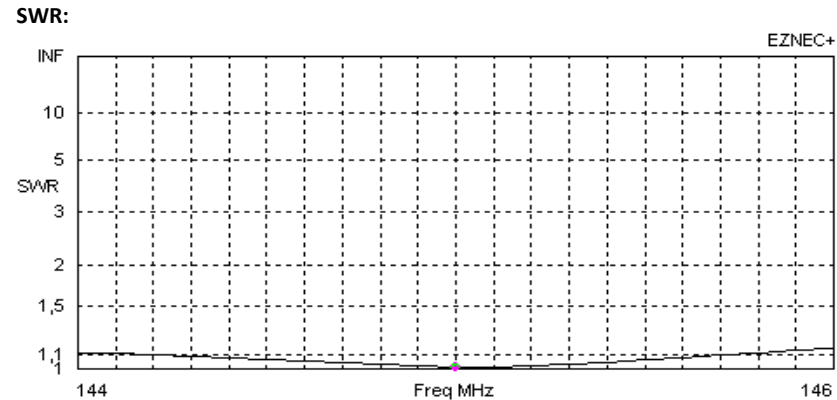


Bausatz 3 ele Yagi 144 MHz mit 0,49m Boom im 50 Ohm Design
Antenna kit 3 ele Yagi 144 MHz with 0,49m boom in 50 Ohm Design

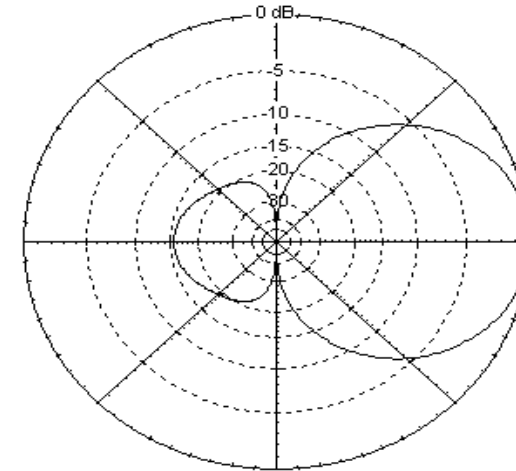
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	1039	0
Strahler / Radiator	4	1020	300
Direktor / Director	3,2	931	470



Freq 145 MHz Source # 1
SWR 1,011 Z0 50 ohms
 Z 50,14 at -0,62 deg.
 = 50,13 - j 0,5412 ohms
 Refl Coeff 0,005566 at -75,85 deg.
 = 0,001361 - j 0,005398
 Ret Loss 45,1 dB

Azimuth:
Total Field

EZNEC+



144,3 MHz

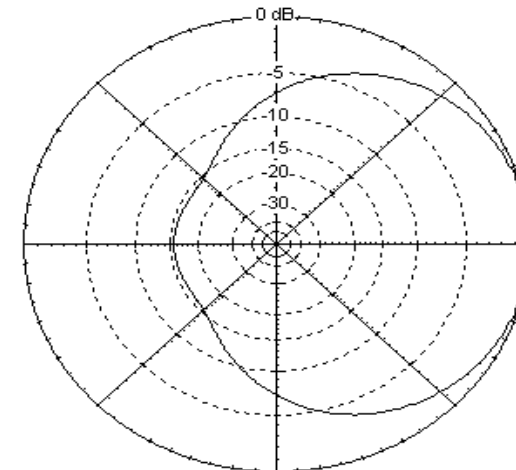
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 4,73 dBref

Cursor Az 0,0 deg.
 Gain 4,73 dBref
 0,0 dBmax

Slice Max Gain 4,73 dBref @ Az Angle = 0,0 deg.
 Front/Back 15,54 dB
 Beamwidth 66,8 deg.; -3dB @ 326,6, 33,4 deg.
 Sidelobe Gain -10,81 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 15,54 dB

Elevation:
Total Field

EZNEC+



144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 4,73 dBref

Cursor Elev 0,0 deg.
 Gain 4,73 dBref
 0,0 dBmax

Slice Max Gain 4,73 dBref @ Elev Angle = 0,0 deg.
 Front/Back 15,54 dB
 Beamwidth 123,2 deg.; -3dB @ 298,4, 61,6 deg.
 Sidelobe Gain -10,81 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 15,54 dB