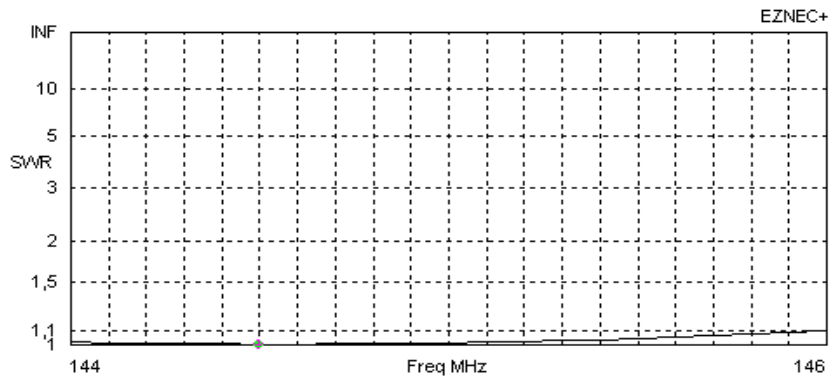


Bausatz 6 ele Yagi 144 MHz mit 2,0m Boom im 50 Ohm Design
Antenna kit 6 ele Yagi 144 MHz with 2,0m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	1028	0
Strahler / Radiator	4	1001	260
Direktor 1 / Director 1	3,2	956	395
Direktor 2 / Director 2	3,2	940	845
Direktor 3 / Director 3	3,2	940	1470
Direktor 4 / Director 4	3,2	914	1980

SWR:

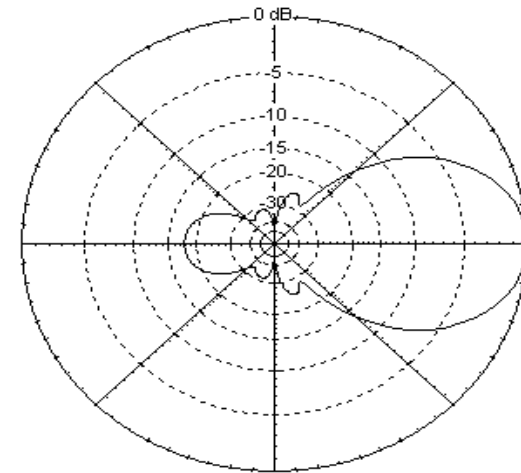


Freq 144,5 MHz
SWR 1,005
 Z 49,83 at 0,18 deg.
 = 49,83 + j 0,1576 ohms
 Refl Coeff 0,002314 at 136,87 deg.
 = -0,001689 + j 0,001582
 Ret Loss 52,7 dB

Source # 1
 Z0 50 ohms

Azimuth:

Total Field



144,3 MHz

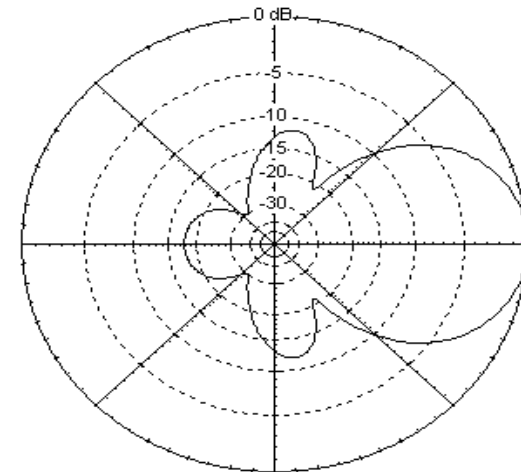
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 9,23 dBref

Cursor Az 0,0 deg.
 Gain 9,23 dBref
 0,0 dBmax

Slice Max Gain 9,23 dBref @ Az Angle = 0,0 deg.
 Front/Back 17,76 dB
 Beamwidth 47,2 deg.; -3dB @ 336,4, 23,6 deg.
 Sidelobe Gain -8,53 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 17,76 dB

Elevation:

Total Field



144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 9,23 dBref

Cursor Elev 0,0 deg.
 Gain 9,23 dBref
 0,0 dBmax

Slice Max Gain 9,23 dBref @ Elev Angle = 0,0 deg.
 Front/Back 17,76 dB
 Beamwidth 57,0 deg.; -3dB @ 331,5, 28,5 deg.
 Sidelobe Gain -2,54 dBref @ Elev Angle = 80,0 deg.
 Front/Sidelobe 11,77 dB