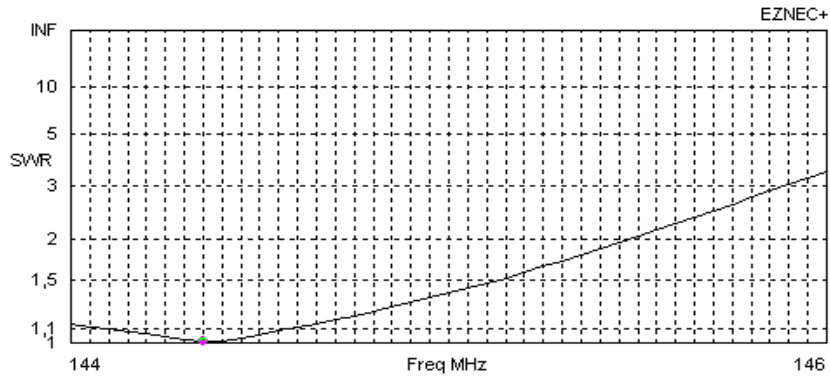


Bausatz 7 ele Yagi 144 MHz mit 3,0m Boom im 50 Ohm Design
Antenna kit 7 ele Yagi 144 MHz with 3,0m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	1026	0
Strahler / Radiator	4	993	320
Direktor 1 / Director 1	3,2	964	460
Direktor 2 / Director 2	3,2	946	935
Direktor 3 / Director 3	3,2	931	1630
Direktor 4 / Director 4	3,2	937	2385
Direktor 5 / Director 5	3,2	910	2985

SWR:



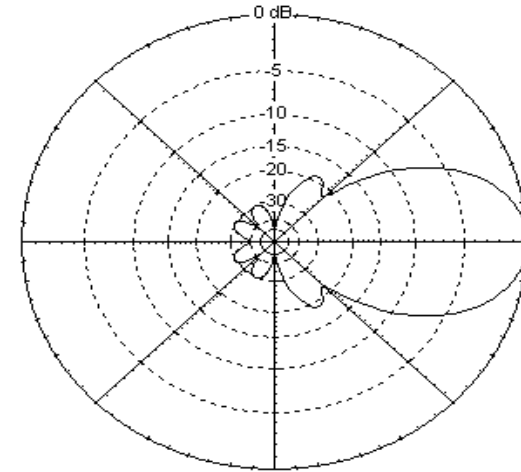
Freq 144,35 MHz
SWR 1,006
 Z 49,72 at -0,03 deg.
 = 49,72 - j 0,02554 ohms
 Refl Coeff 0,002779 at -174,7 deg.
 = -0,002767 - j 0,0002568
 Ret Loss 51,1 dB

Source # 1
 Z0 50 ohms

Azimuth:

Total Field

EZNEC+



144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 10,61 dBref

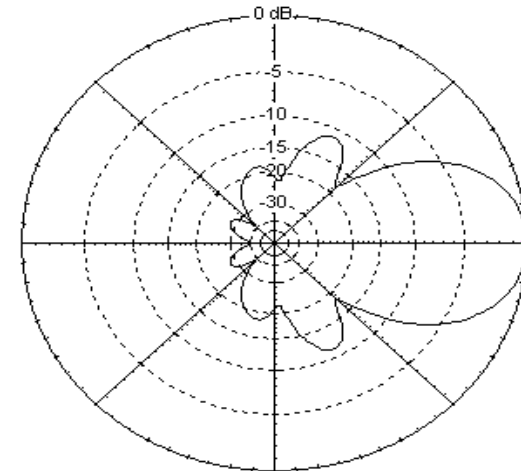
Cursor Az 0,0 deg.
 Gain 10,61 dBref
 0,0 dBmax

Slice Max Gain 10,61 dBref @ Az Angle = 0,0 deg.
 Front/Back 40,05 dB
 Beamwidth 40,2 deg.; -3dB @ 339,9, 20,1 deg.
 Sidelobe Gain -8,24 dBref @ Az Angle = 58,0 deg.
 Front/Sidelobe 18,85 dB

Elevation:

Total Field

EZNEC+



144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 10,61 dBref

Cursor Elev 0,0 deg.
 Gain 10,61 dBref
 0,0 dBmax

Slice Max Gain 10,61 dBref @ Elev Angle = 0,0 deg.
 Front/Back 40,05 dB
 Beamwidth 45,6 deg.; -3dB @ 337,2, 22,8 deg.
 Sidelobe Gain -0,6 dBref @ Elev Angle = 63,0 deg.
 Front/Sidelobe 11,21 dB