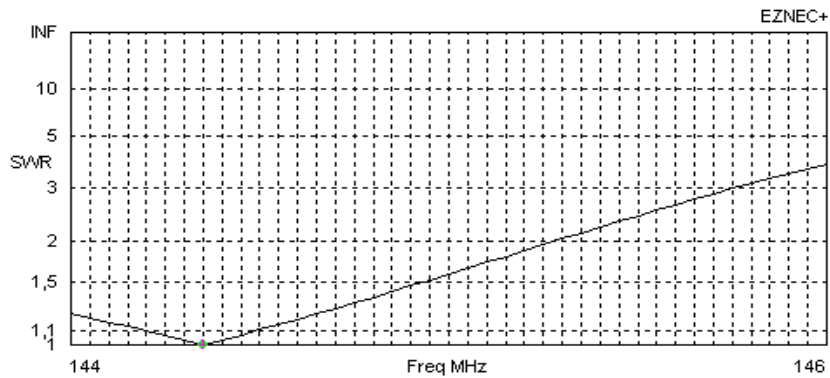


Bausatz 6 ele Yagi 144 MHz mit 2,5m Boom im 50 Ohm Design
Antenna kit 6 ele Yagi 144 MHz with 2,5m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	1011	0
Strahler / Radiator	4	963	380
Direktor 1 / Director 1	3,2	946	530
Direktor 2 / Director 2	3,2	939	1040
Direktor 3 / Director 3	3,2	924	1800
Direktor 4 / Director 4	3,2	924	2480

SWR:

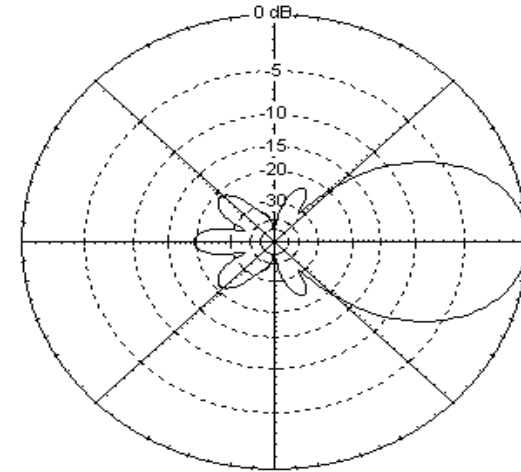


Freq 144,35 MHz
SWR 1,003
 Z 49,99 at 0,18 deg.
 = 49,99 + j 0,1585 ohms
 Refl Coeff 0,001588 at 93,26 deg.
 = -9,038E-05 + j 0,001586
 Ret Loss 56,0 dB

Source # 1
 Z0 50 ohms

Azimuth:

Total Field



144,3 MHz

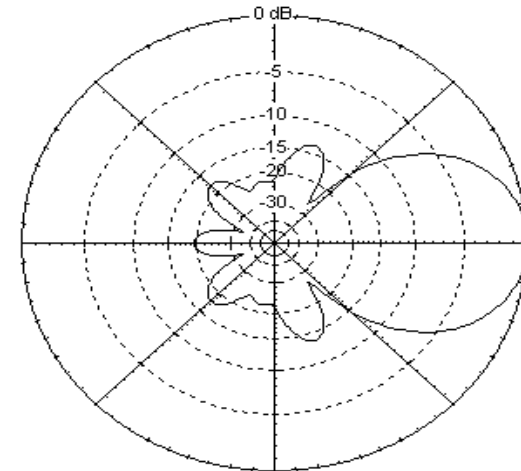
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 10,19 dBref

Cursor Az 0,0 deg.
 Gain 10,19 dBref
 0,0 dBmax

Slice Max Gain 10,19 dBref @ Az Angle = 0,0 deg.
 Front/Back 19,76 dB
 Beamwidth 43,4 deg.; -3dB @ 338,3, 21,7 deg.
 Sidelobe Gain -9,57 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 19,76 dB

Elevation:

Total Field



144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 10,19 dBref

Cursor Elev 0,0 deg.
 Gain 10,19 dBref
 0,0 dBmax

Slice Max Gain 10,19 dBref @ Elev Angle = 0,0 deg.
 Front/Back 19,76 dB
 Beamwidth 50,5 deg.; -3dB @ 334,7, 25,2 deg.
 Sidelobe Gain -3,37 dBref @ Elev Angle = 69,0 deg.
 Front/Sidelobe 13,56 dB