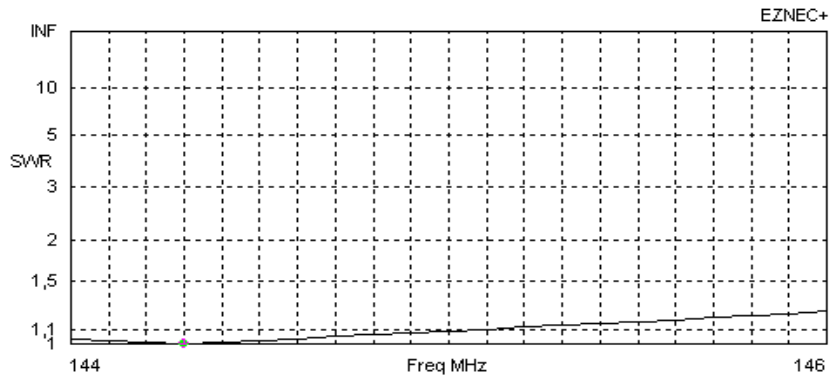


Bausatz 3 ele Yagi 144 MHz mit 0,87m Boom im 50 Ohm Design
Antenna kit 3 ele Yagi 144 MHz with 0,87m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	1049	0
Strahler / Radiator	4	981	480
Direktor / Director	3,2	889	850

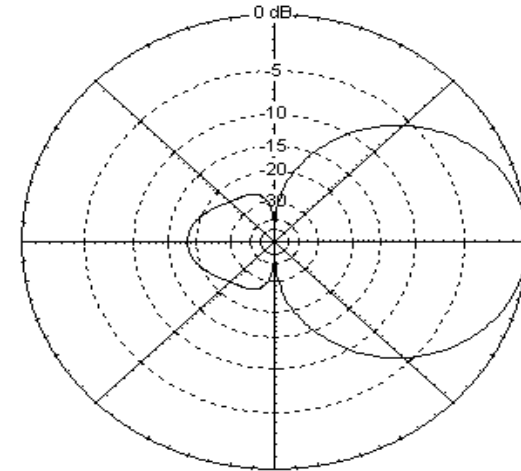
SWR:



Freq 144,3 MHz Source # 1
SWR 1,004 Z0 50 ohms
 Z 50,2 at 0,01 deg.
 = 50,2 + j 0,01235 ohms
 Refl Coeff 0,001981 at 3,56 deg.
 = 0,001978 + j 0,000123
 Ret Loss 54,1 dB

Azimuth:

Total Field



EZNEC+

144,3 MHz

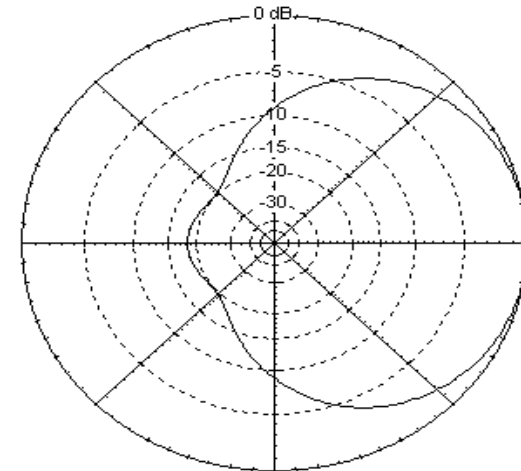
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 5,19 dBref

Cursor Az 0,0 deg.
 Gain 5,19 dBref
 0,0 dBmax

Slice Max Gain 5,19 dBref @ Az Angle = 0,0 deg.
 Front/Back 18,36 dB
 Beamwidth 66,8 deg.; -3dB @ 326,6, 33,4 deg.
 Sidelobe Gain -13,17 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 18,36 dB

Elevation:

Total Field



EZNEC+

144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 5,19 dBref

Cursor Elev 0,0 deg.
 Gain 5,19 dBref
 0,0 dBmax

Slice Max Gain 5,19 dBref @ Elev Angle = 0,0 deg.
 Front/Back 18,36 dB
 Beamwidth 116,0 deg.; -3dB @ 302,0, 58,0 deg.
 Sidelobe Gain -13,17 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 18,36 dB