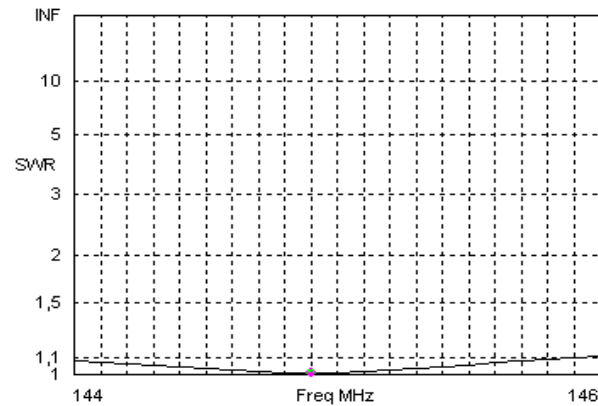


Bausatz 3 ele Yagi 144 MHz mit 0,77m Boom im 50 Ohm Design
Antenna kit 3 ele Yagi 144 MHz with 0,77m boom in 50 Ohm Design

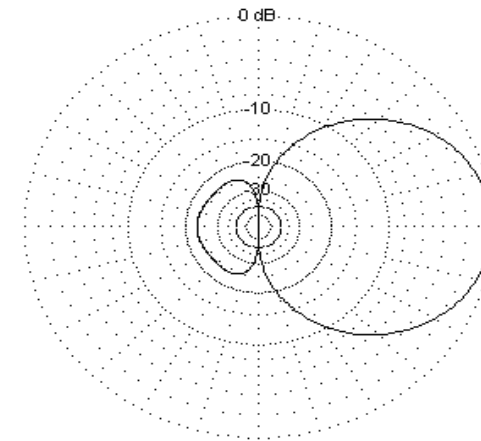
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1041	0
Strahler / Radiator	10	982	470
Direktor / Director	8	876	750

SWR:



Freq 144,9 MHz Source # 1
 SWR 1,006 Z0 50 ohms
 Z 50,29 + j 0,1253 ohms
 Refl Coeff 0,003181 at 23,05 deg.

Azimuth:



EZNEC-M

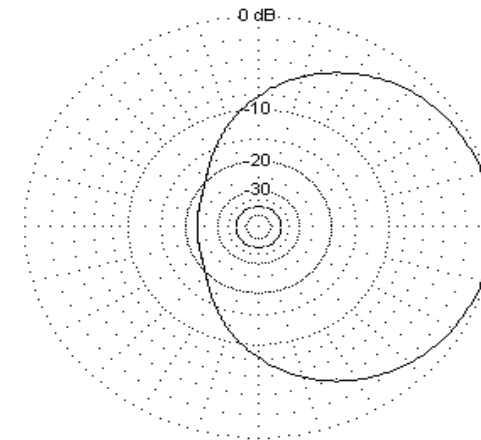
145 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 5,05dBref

Cursor Az 0,0 deg.
 Gain 5,05 dBref
 0,0 dBmax

Slice Max Gain 5,05 dBref @ Az Angle = 0,0 deg.
 Front/Back 22,87 dB
 Beamwidth 67,0 deg.; -3dB @ 326,5, 33,5 deg.
 Sidelobe Gain -17,82 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 22,87 dB

Elevation:



EZNEC-M

145 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 5,05dBref

Cursor Elev 0,0 deg.
 Gain 5,05 dBref
 0,0 dBmax

Slice Max Gain 5,05 dBref @ Elev Angle = 0,0 deg.
 Front/Back 22,87 dB
 Beamwidth 119,4 deg.; -3dB @ 300,3, 59,7 deg.
 Sidelobe Gain < -100 dBi
 Front/Sidelobe > 100 dB