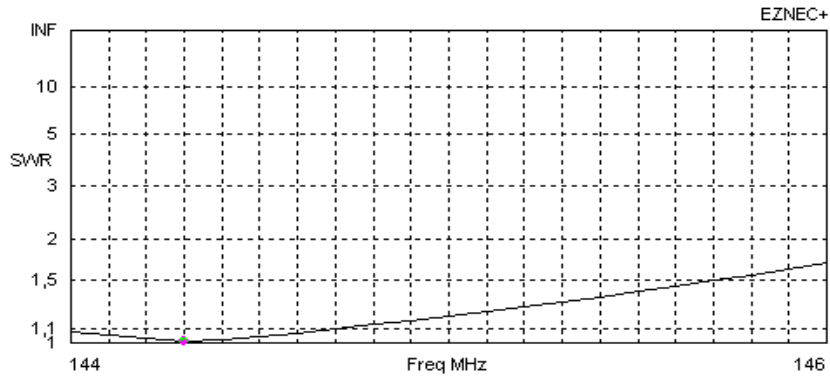


Bausatz 5 ele Yagi 144 MHz mit 1,50m Boom im 50 Ohm Design
Antenna kit 5 ele Yagi 144 MHz with 1,50m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	1037	0
Strahler / Radiator	4	995	280
Direktor 1 / Director 1	3,2	954	430
Direktor 2 / Director 2	3,2	944	950
Direktor 3 / Director 3	3,2	929	1480

SWR:

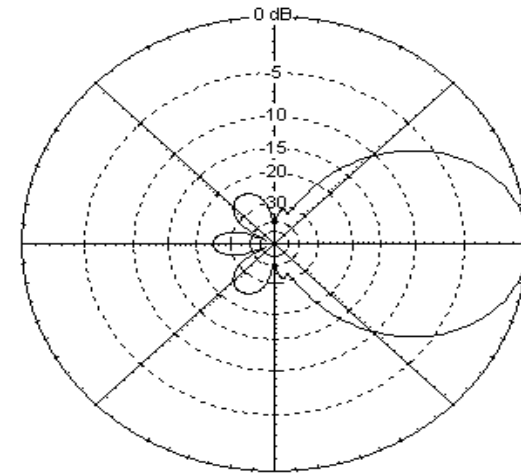


Freq 144,3 MHz
SWR 1,007
 Z 49,66 at -0,14 deg.
 = 49,66 - j 0,1217 ohms
 Refl Coeff 0,003642 at -160,33 deg.
 = -0,003429 - j 0,001226
 Ret Loss 48,8 dB

Source # 1
 Z0 50 ohms

Azimuth:

Total Field



144,3 MHz

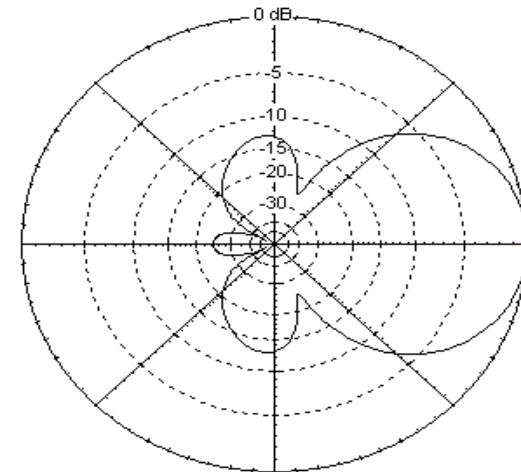
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,44 dBref

Cursor Az 0,0 deg.
 Gain 8,44 dBref
 0,0 dBmax

Slice Max Gain 8,44 dBref @ Az Angle = 0,0 deg.
 Front/Back 24,35 dB
 Beamwidth 51,2 deg.; -3dB @ 334,4, 25,6 deg.
 Sidelobe Gain -15,42 dBref @ Az Angle = 122,0 deg.
 Front/Sidelobe 23,86 dB

Elevation:

Total Field



144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,44 dBref

Cursor Elev 0,0 deg.
 Gain 8,44 dBref
 0,0 dBmax

Slice Max Gain 8,44 dBref @ Elev Angle = 0,0 deg.
 Front/Back 24,35 dB
 Beamwidth 64,8 deg.; -3dB @ 327,6, 32,4 deg.
 Sidelobe Gain -4,33 dBref @ Elev Angle = 95,0 deg.
 Front/Sidelobe 12,77 dB