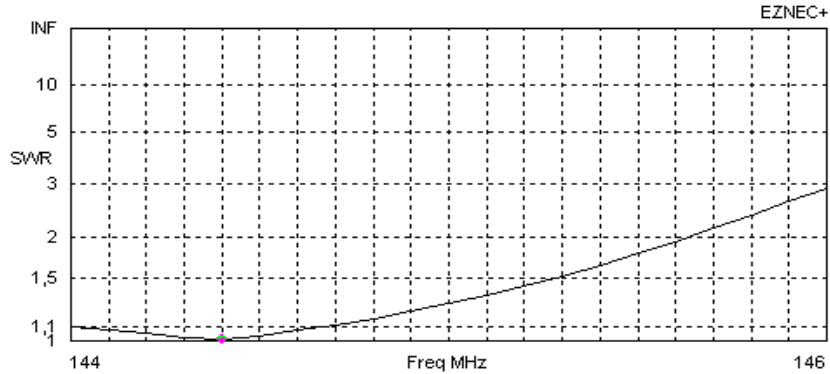


Bausatz 5 ele Yagi 144 MHz mit 1,40m Boom im 50 Ohm Design
Antenna kit 5 ele Yagi 144 MHz with 1,40m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	1032	0
Strahler / Radiator	4	1021	290
Direktor 1 / Director 1	3,2	973	425
Direktor 2 / Director 2	3,2	959	890
Direktor 3 / Director 3	3,2	936	1380

SWR:

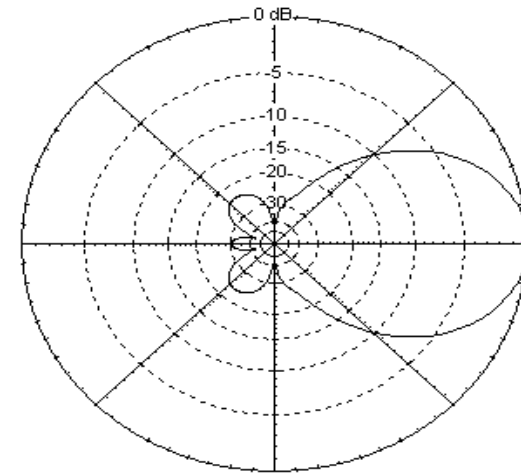


Freq 144,4 MHz
SWR 1,006
 Z 50,05 at -0,31 deg.
 = 50,05 - j 0,2704 ohms
 Refl Coeff 0,002755 at -78,6 deg.
 = 0,0005445 - j 0,002701
 Ret Loss 51,2 dB

Source # 1
 Z0 50 ohms

Azimuth:

Total Field



144,3 MHz

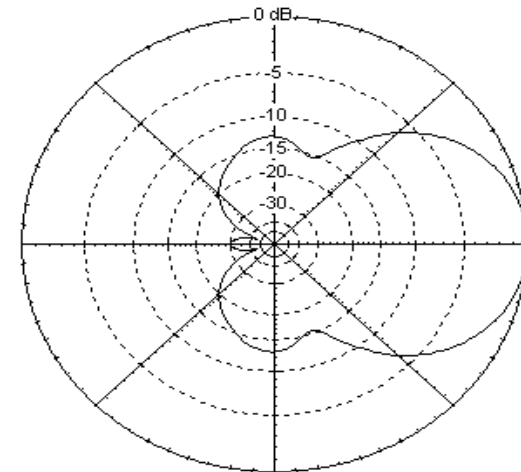
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,2 dBref

Cursor Az 0,0 deg.
 Gain 8,2 dBref
 0,0 dBmax

Slice Max Gain 8,2 dBref @ Az Angle = 0,0 deg.
 Front/Back 30,29 dB
 Beamwidth 51,0 deg.; -3dB @ 334,5, 25,5 deg.
 Sidelobe Gain -15,35 dBref @ Az Angle = 128,0 deg.
 Front/Sidelobe 23,55 dB

Elevation:

Total Field



144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,2 dBref

Cursor Elev 0,0 deg.
 Gain 8,2 dBref
 0,0 dBmax

Slice Max Gain 8,2 dBref @ Elev Angle = 0,0 deg.
 Front/Back 30,29 dB
 Beamwidth 64,8 deg.; -3dB @ 327,6, 32,4 deg.
 Sidelobe Gain -4,7 dBref @ Elev Angle = 91,0 deg.
 Front/Sidelobe 12,9 dB