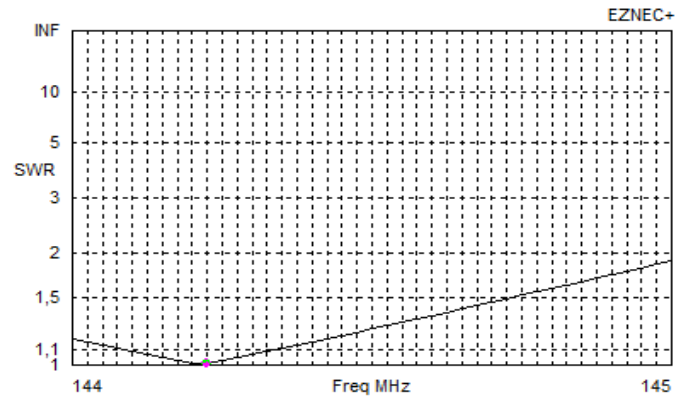


Bausatz 4 ele Yagi 144 MHz mit 1,50m Boom im 12,5 Ohm Design
Antenna kit 4 ele Yagi 144 MHz with 1,50m boom in 12,5 Ohm Design

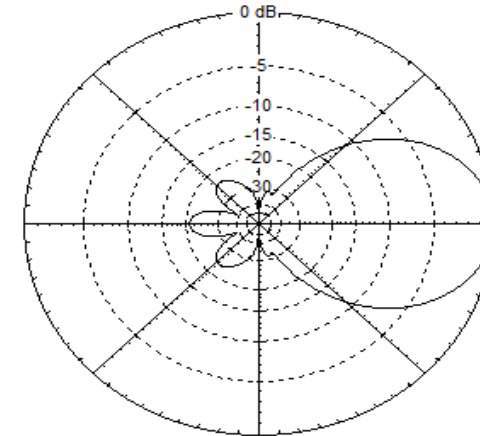
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1013	0
Strahler / Radiator	10	951	320
Direktor 1 / Director 1	8	923	860
Direktor 2 / Director 2	8	904	1480

SWR:



Freq 144,225 MHz Source # 1
 SWR 1,008 Z0 12,5 ohms
 Z = 12,54 + j 0,09563 ohms
 Refl Coeff 0,004088 at 68,92 deg.
 = 0,00147 + j 0,003814
 Ret Loss 47,8 dB

Azimuth:
Total Field



EZNEC+

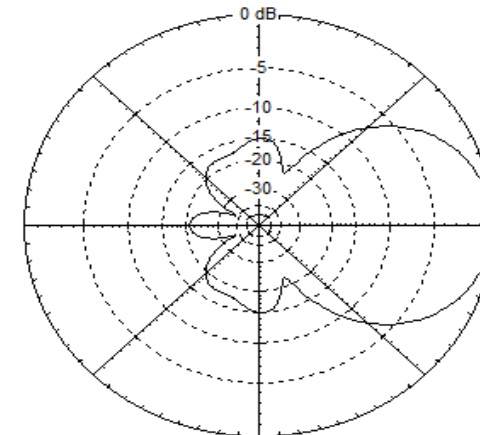
144,25 MHz

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

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

Slice Max Gain 8,8 dBref @ Az Angle = 0,0 deg.
 Front/Back 20,85 dB
 Beamwidth 50,0 deg.; -3dB @ 335,0, 25,0 deg.
 Sidelobe Gain -12,05 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 20,85 dB

Elevation:
Total Field



EZNEC+

144,25 MHz

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

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

Slice Max Gain 8,8 dBref @ Elev Angle = 0,0 deg.
 Front/Back 20,85 dB
 Beamwidth 62,4 deg.; -3dB @ 328,8, 31,2 deg.
 Sidelobe Gain -6,39 dBref @ Elev Angle = 88,0 deg.
 Front/Sidelobe 15,19 dB