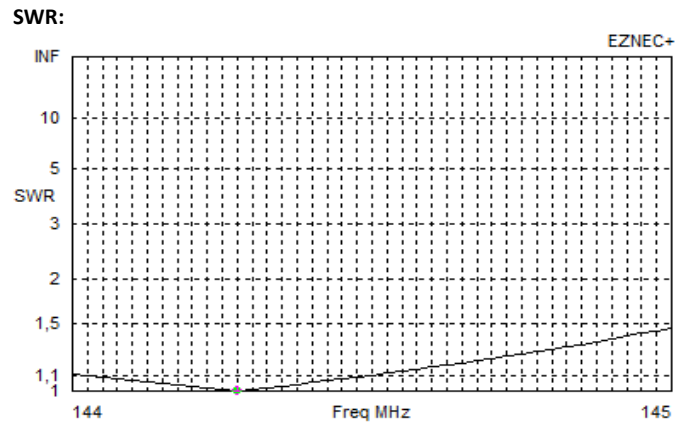


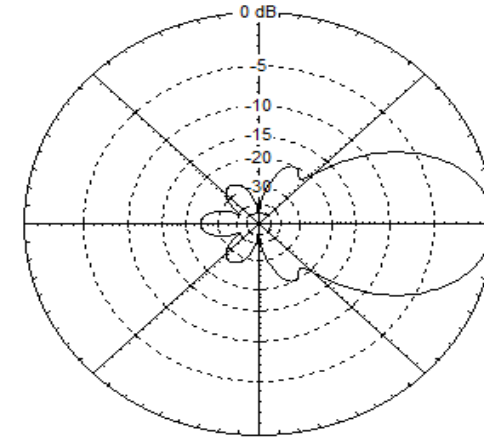
Bausatz 6 ele Yagi 144 MHz mit 2,6m Boom im 12,5 Ohm Design
Antenna kit 6 ele Yagi 144 MHz with 2,6m boom in 12,5 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1024	0
Strahler / Radiator	10	972	215
Direktor 1 / Director 1	8	936	625
Direktor 2 / Director 2	8	914	1280
Direktor 3 / Director 3	8	912	2010
Direktor 4 / Director 4	8	893	2580



Freq 144,275 MHz Source # 1
 SWR 1,001 Z0 12,5 ohms
 Z 12,49 at 0,04 deg.
 = 12,49 + j 0,008874 ohms
 Refl Coeff 0,000482 at 132,52 deg.
 = -0,0003258 + j 0,0003552
 Ret Loss 66,3 dB

Azimuth:
Total Field



EZNEC+

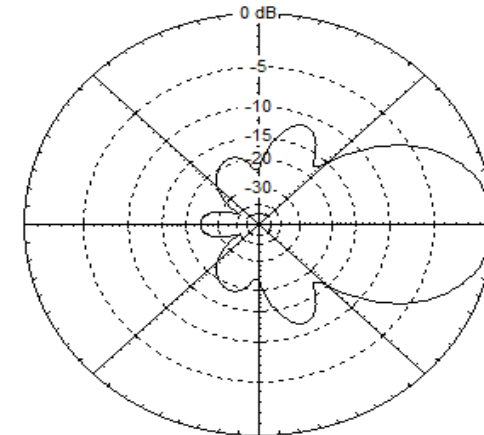
144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 10,28 dBref

Cursor Az 0,0 deg.
 Gain 10,28 dBref
 0,0 dBmax

Slice Max Gain 10,28 dBref @ Az Angle = 0,0 deg.
 Front/Back 23,85 dB
 Beamwidth 42,0 deg.; -3dB @ 339,0, 21,0 deg.
 Sidelobe Gain -9,86 dBref @ Az Angle = 60,0 deg.
 Front/Sidelobe 20,14 dB

Elevation:
Total Field



EZNEC+

144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 10,28 dBref

Cursor Elev 0,0 deg.
 Gain 10,28 dBref
 0,0 dBmax

Slice Max Gain 10,28 dBref @ Elev Angle = 0,0 deg.
 Front/Back 23,85 dB
 Beamwidth 48,2 deg.; -3dB @ 335,9, 24,1 deg.
 Sidelobe Gain -1,39 dBref @ Elev Angle = 66,0 deg.
 Front/Sidelobe 11,67 dB