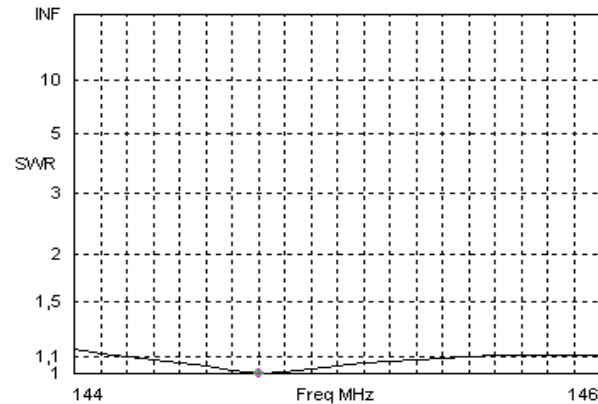


Bausatz 5 ele Yagi 144 MHz mit 1,50m Boom im 28 Ohm Design
Antenna kit 5 ele Yagi 144 MHz with 1,50m boom in 28 Ohm Design

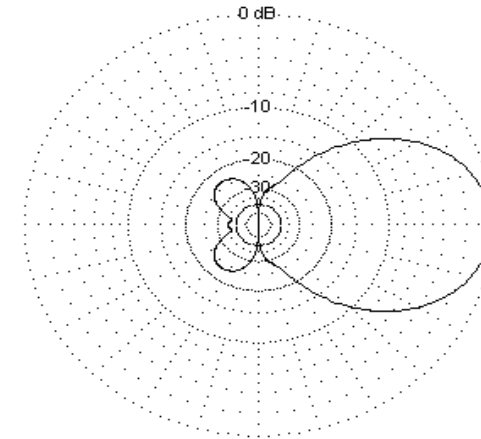
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1022	0
Strahler / Radiator	10	980	315
Direktor 1 / Director 1	8	942	545
Direktor 2 / Director 2	8	930	1020
Direktor 3 / Director 3	8	900	1480

SWR:



Freq 144,7 MHz Source # 1
 SWR 1,004 Z0 28 ohms
 Z 27,96 - j 0,1088 ohms
 Refl Coeff 0,00209 at -111,36 deg.

Azimuth:



EZNEC-M

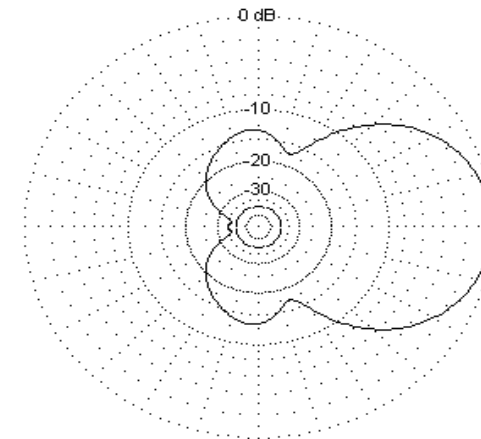
144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,35dBref

Cursor Az 0,0 deg.
 Gain 8,35 dBref
 0,0 dBmax

Slice Max Gain 8,35 dBref @ Az Angle = 0,0 deg.
 Front/Back 35,07 dB
 Beamwidth 51,2 deg.; -3dB @ 334,4, 25,6 deg.
 Sidelobe Gain -14,87 dBref @ Az Angle = 231,0 deg.
 Front/Sidelobe 23,23 dB

Elevation:



EZNEC-M

144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,35dBref

Cursor Elev 0,0 deg.
 Gain 8,35 dBref
 0,0 dBmax

Slice Max Gain 8,35 dBref @ Elev Angle = 0,0 deg.
 Front/Back 35,07 dB
 Beamwidth 64,8 deg.; -3dB @ 327,6, 32,4 deg.
 Sidelobe Gain -4,9 dBref @ Elev Angle = 93,0 deg.
 Front/Sidelobe 13,25 dB