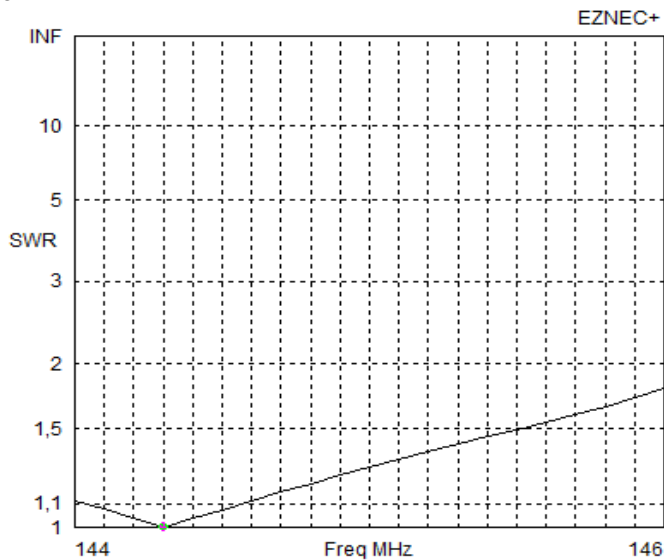


Bausatz 8 ele Yagi 144 MHz mit 4,35mm Boom im 28 Ohm Design
Antenna kit 8 ele Yagi 144 MHz with 4,35m boom in 28 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1004	0
Strahler / Radiator	10	960	400
Direktor 1 / Director 1	8	938	735
Direktor 2 / Director 2	8	912	1315
Direktor 3 / Director 3	8	898	2030
Direktor 4 / Director 4	8	888	2825
Direktor 5 / Director 5	8	890	3660
Direktor 6 / Director 6	8	894	4320

SWR:



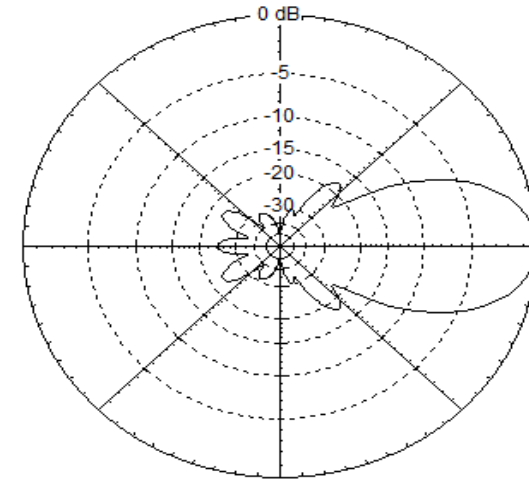
Freq 144,3 MHz Source # 1
 SWR 1,001 Z0 28 ohms
 Z 27,98 at -0,08 deg.
 = 27,98 - j 0,03724 ohms
 Refl Coeff 0,0007232 at -113,05 deg.
 = -0,0002832 - j 0,0006655
 Ret Loss 62,8 dB

Azimuth:

* Total Field

Horizontal Pol

Vertical Pol



EZNEC+

144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 12,06 dBref

Cursor Az 0,0 deg.
 Gain 12,06 dBref
 0,0 dBmax

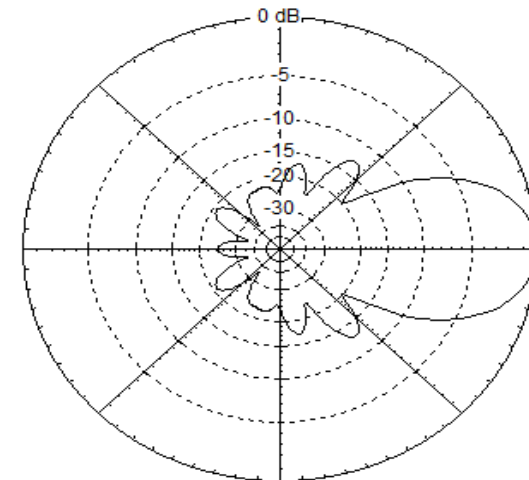
Slice Max Gain 12,06 dBref @ Az Angle = 0,0 deg.
 Front/Back 24,24 dB
 Beamwidth 35,2 deg.; -3dB @ 342,4, 17,6 deg.
 Sidelobe Gain -5,77 dBref @ Az Angle = 50,0 deg.
 Front/Sidelobe 17,83 dB

Elevation:

* Total Field

Horizontal Pol

Vertical Pol



EZNEC+

144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 12,06 dBref

Cursor Elev 0,0 deg.
 Gain 12,06 dBref
 0,0 dBmax

Slice Max Gain 12,06 dBref @ Elev Angle = 0,0 deg.
 Front/Back 24,24 dB
 Beamwidth 38,6 deg.; -3dB @ 340,7, 19,3 deg.
 Sidelobe Gain -0,69 dBref @ Elev Angle = 52,0 deg.
 Front/Sidelobe 12,75 dB

