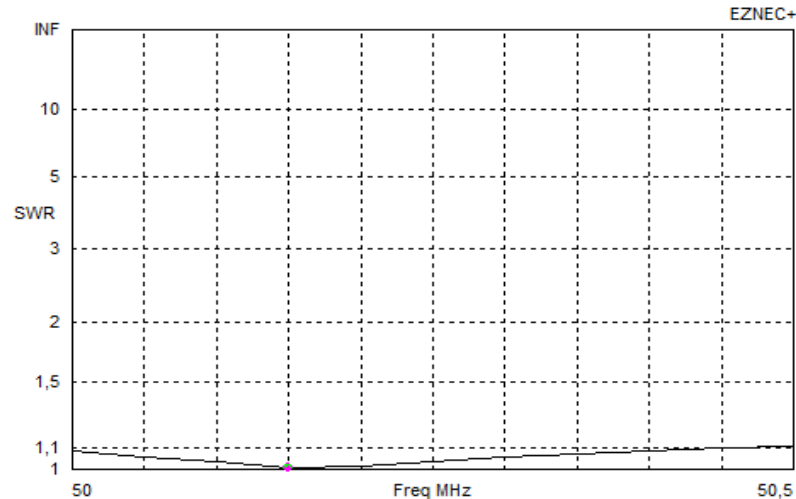


Bausatz 5 ele Yagi 50 MHz mit 4,5m Boom im 28 Ohm Design
Antenna kit 5 ele Yagi 50 MHz with 4,5m boom in 28 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	1002
Strahler / Radiator	630	500	933
Direktor / Director 1	1345	500	891
Direktor / Director 2	2960	500	869
Direktor / Director 3	4480	500	841

Version: Januar 26 2011

SWR:



Freq 50,15 MHz
 SWR 1,008
 Z 27,81 at -0,21 deg.
 = 27,81 - j 0,1015 ohms
 Refl Coeff 0,003832 at -151,57 deg.
 = -0,00337 - j 0,001824
 Ret Loss 48,3 dB

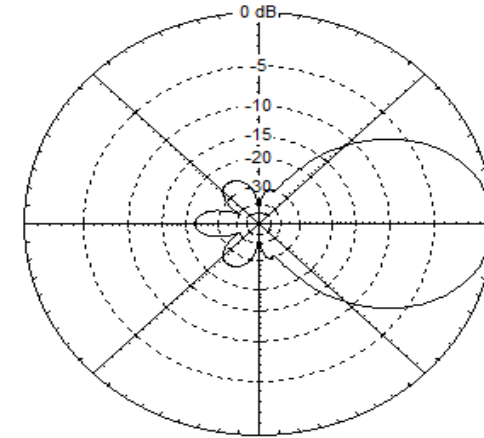
Source # 1
 Z0 28 ohms

Horizontales Richtdiagramm / Azimuth plot

* Total Field

Horizontal Pol

Vertical Pol



EZNEC+

50,15 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,83 dBref

Cursor Az 0,0 deg.
 Gain 8,83 dBref
 0,0 dBmax

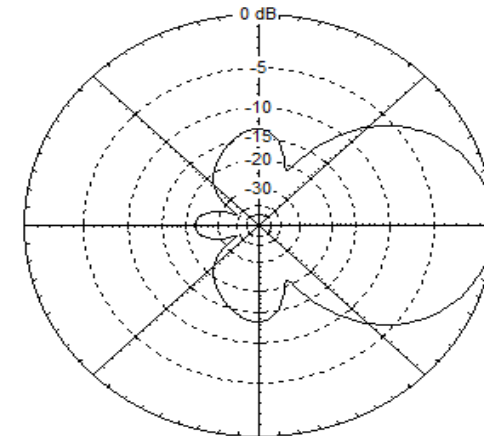
Slice Max Gain 8,83 dBref @ Az Angle = 0,0 deg.
 Front/Back 22,28 dB
 Beamwidth 50,2 deg.; -3dB @ 334,9, 25,1 deg.
 Sidelobe Gain -13,45 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 22,28 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field

Horizontal Pol

Vertical Pol



EZNEC+

50,15 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,83 dBref

Cursor Elev 0,0 deg.
 Gain 8,83 dBref
 0,0 dBmax

Slice Max Gain 8,83 dBref @ Elev Angle = 0,0 deg.
 Front/Back 22,28 dB
 Beamwidth 62,8 deg.; -3dB @ 328,6, 31,4 deg.
 Sidelobe Gain -4,58 dBref @ Elev Angle = 91,0 deg.
 Front/Sidelobe 13,41 dB