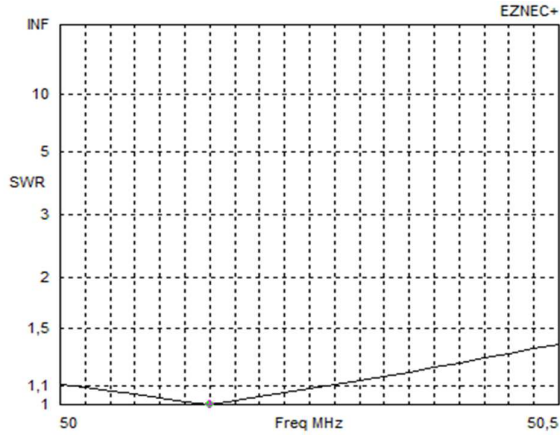


Bausatz 5 ele Yagi 50 MHz mit 4,3m Boom im 50 Ohm Design
Antenna kit 5 ele Yagi 50 MHz with 4,3m boom in 50 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	996
Strahler / Radiator	800	500	944
Direktor / Director 1	1210	500	880
Direktor / Director 2	2735	500	870
Direktor / Director 3	4260	500	846

Version 09/2012

SWR:

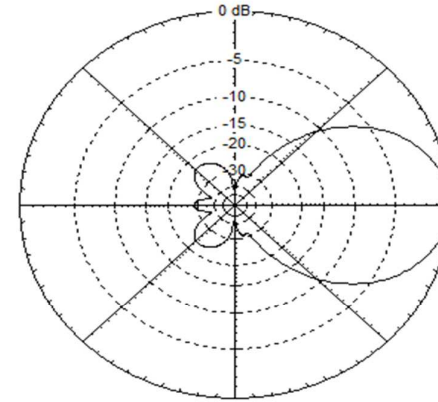


Freq 50,15 MHz Source # 1
 SWR 1,003 Z0 50 ohms
 Z 50,09 at 0,13 deg.
 = 50,09 + j 0,1119 ohms
 Refl Coeff 0,001462 at 49,79 deg.
 = 0,000944 + j 0,001117
 Ret Loss 56,7 dB

Horizontales Richtdiagramm / Azimuth plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,55 dBref

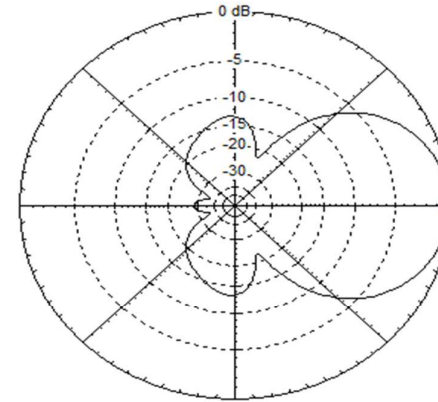
Cursor Az 0,0 deg.
 Gain 8,55 dBref
 0,0 dBmax

Slice Max Gain 8,55 dBref @ Az Angle = 0,0 deg.
 Front/Back 28,56 dB
 Beamwidth 50,8 deg.; -3dB @ 334,6, 25,4 deg.
 Sidelobe Gain -14,58 dBref @ Az Angle = 130,0 deg.
 Front/Sidelobe 23,13 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,55 dBref

Cursor Elev 0,0 deg.
 Gain 8,55 dBref
 0,0 dBmax

Slice Max Gain 8,55 dBref @ Elev Angle = 0,0 deg.
 Front/Back 28,56 dB
 Beamwidth 64,0 deg.; -3dB @ 328,0, 32,0 deg.
 Sidelobe Gain -4,7 dBref @ Elev Angle = 92,0 deg.
 Front/Sidelobe 13,25 dB