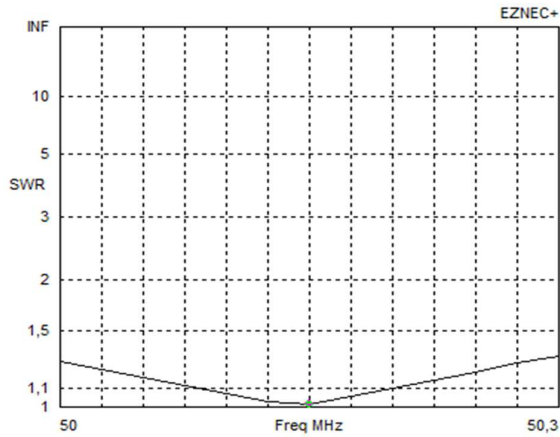


Bausatz 3 ele Yagi 50 MHz mit 1,9m Boom im 12,5 Ohm Design
Antenna kit 3 ele Yagi 50 MHz with 1,9m boom in 12,5 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	999
Strahler / Radiator	600	500	932
Direktor / Director	1850	500	841

Version 09/2012

SWR:

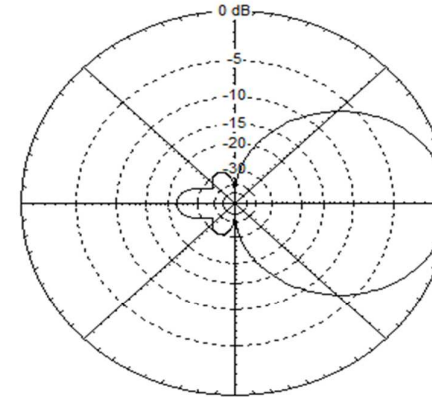


Freq 50,15 MHz Source # 1
 SWR 1,013 Z0 12,5 ohms
 Z = 12,5 + j 0,1673 ohms
 Refl Coeff 0,00669 at 89,89 deg.
 = 1,279E-05 + j 0,00669
 Ret Loss 43,5 dB

Horizontales Richtdiagramm / Azimuth plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 6,35 dBref

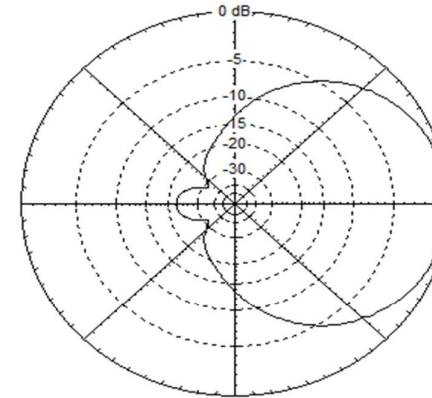
Cursor Az 0,0 deg.
 Gain 6,35 dBref
 0,0 dBmax

Slice Max Gain 6,35 dBref @ Az Angle = 0,0 deg.
 Front/Back 22,21 dB
 Beamwidth 61,1 deg.; -3dB @ 329,4, 30,5 deg.
 Sidelobe Gain -15,86 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 22,21 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 6,35 dBref

Cursor Elev 0,0 deg.
 Gain 6,35 dBref
 0,0 dBmax

Slice Max Gain 6,35 dBref @ Elev Angle = 0,0 deg.
 Front/Back 22,21 dB
 Beamwidth 93,0 deg.; -3dB @ 313,5, 46,5 deg.
 Sidelobe Gain -15,86 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 22,21 dB