

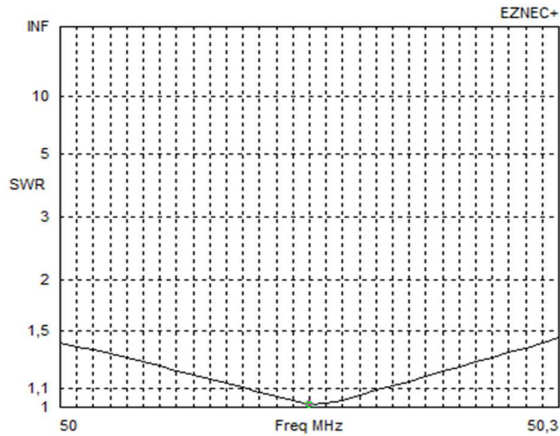


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Bausatz 2 ele Yagi 50 MHz mit 0,4m Boom im 12,5 Ohm Design
Antenna kit 2 ele Yagi 50 MHz with 0,4m boom in 12,5 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Strahler / Radiator	0	500	997
Direktor / Director	400	500	922

SWR:

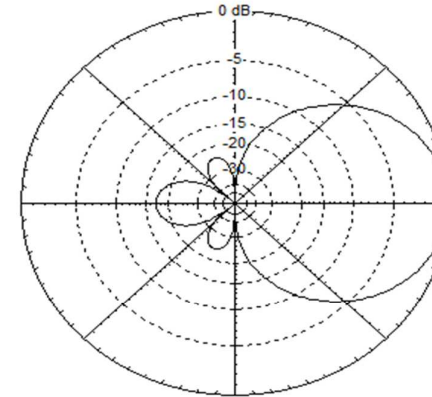


Freq 50,15 MHz Source # 1
 SWR 1,016 Z0 12,5 ohms
 Z = 12,69 - j 0,08046 ohms
 Refl Coeff 0,008055 at -23,18 deg.
 = 0,007404 - j 0,003171
 Ret Loss 41,9 dB

Horizontales Richtdiagramm / Azimuth plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 4,82 dBref

Cursor Az 0,0 deg.
 Gain 4,82 dBref
 0,0 dBmax

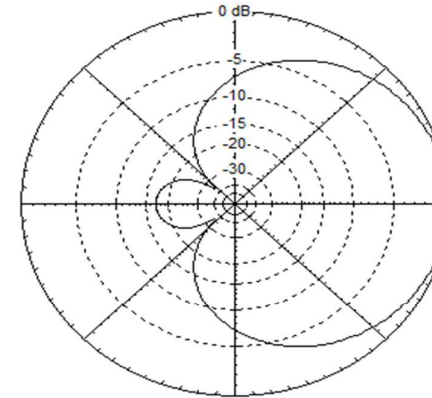
Slice Max Gain 4,82 dBref @ Az Angle = 0,0 deg.
 Front/Back 17,04 dB
 Beamwidth 66,8 deg.; -3dB @ 326,6, 33,4 deg.
 Sidelobe Gain -12,22 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 17,04 dB

50,15 MHz

Vertikales Richtdiagramm / Elevation plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 4,82 dBref

Cursor Elev 0,0 deg.
 Gain 4,82 dBref
 0,0 dBmax

Slice Max Gain 4,82 dBref @ Elev Angle = 0,0 deg.
 Front/Back 17,04 dB
 Beamwidth 123,8 deg.; -3dB @ 298,1, 61,9 deg.
 Sidelobe Gain -12,22 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 17,04 dB

50,15 MHz