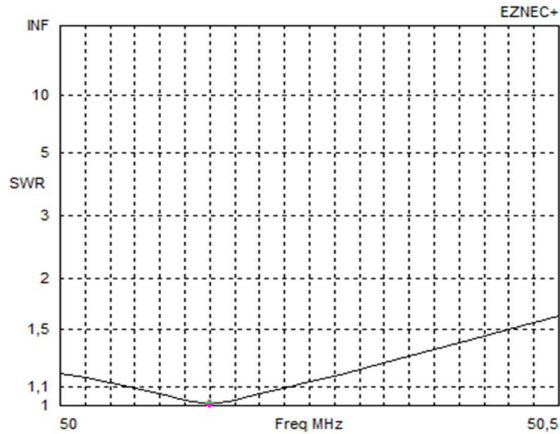


Bausatz 5 ele Yagi 50 MHz mit 4,5m Boom im 50 Ohm Design
Antenna kit 5 ele Yagi 50 MHz with 4,5m boom in 50 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	990
Strahler / Radiator	760	500	919
Direktor / Director 1	1130	500	872
Direktor / Director 2	2780	500	860
Direktor / Director 3	4450	500	848

Version 09/2012

SWR:

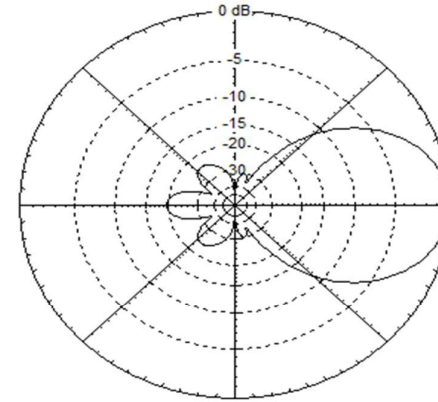


Freq 50,15 MHz Source # 1
 SWR 1,005 Z0 50 ohms
 Z 50,1 at -0,28 deg.
 = 50,1 - j 0,248 ohms
 Refl Coeff 0,002671 at -67,88 deg.
 = 0,001006 - j 0,002475
 Ret Loss 51,5 dB

Horizontales Richtdiagramm / Azimuth plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

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

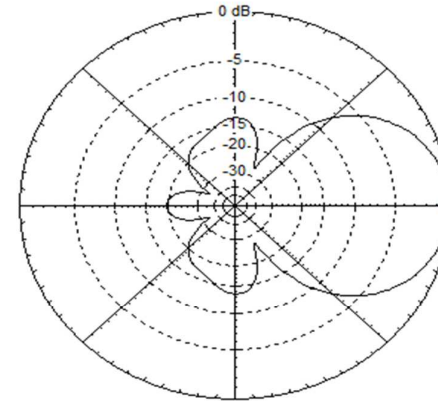
Cursor Az 0,0 deg.
 Gain 8,8 dBref
 0,0 dBmax

Slice Max Gain 8,8 dBref @ Az Angle = 0,0 deg.
 Front/Back 19,59 dB
 Beamwidth 50,0 deg.; -3dB @ 335,0, 25,0 deg.
 Sidelobe Gain -10,79 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 19,59 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

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

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

Slice Max Gain 8,8 dBref @ Elev Angle = 0,0 deg.
 Front/Back 19,59 dB
 Beamwidth 62,0 deg.; -3dB @ 329,0, 31,0 deg.
 Sidelobe Gain -4,73 dBref @ Elev Angle = 89,0 deg.
 Front/Sidelobe 13,53 dB