



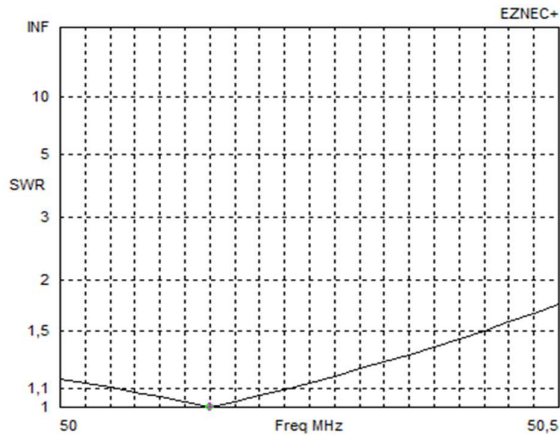
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Bausatz 6 ele Yagi 50 MHz mit 6,0m Boom im 50 Ohm Design
Antenna kit 6 ele Yagi 50 MHz with 6,0m boom in 50 Ohm Design

| Antennenabmessungen je Antennenhälfte | | | |
|--|---------------|------------|----------|
| Dimensions table for each antenna half | | | |
| | Position (mm) | 16 x 1,5mm | 12 x 1mm |
| Reflektor / Reflector | 0 | 500 | 1010 |
| Strahler / Radiator | 835 | 500 | 951 |
| Direktor / Director 1 | 1090 | 500 | 903 |
| Direktor / Director 2 | 2340 | 500 | 876 |
| Direktor / Director 3 | 4255 | 500 | 870 |
| Direktor / Director 4 | 5970 | 500 | 811 |

Version 09/2012

SWR:

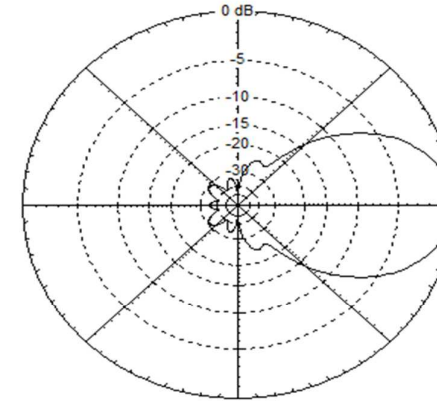


Freq 50,15 MHz Source # 1
 SWR 1,003 Z0 50 ohms
 Z 50,1 at -0,14 deg.
 = 50,1 - j 0,1249 ohms
 Refl Coeff 0,001571 at -52,51 deg.
 = 0,0009562 - j 0,001246
 Ret Loss 56,1 dB

Horizontales Richtdiagramm / Azimuth plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 9,48 dBref

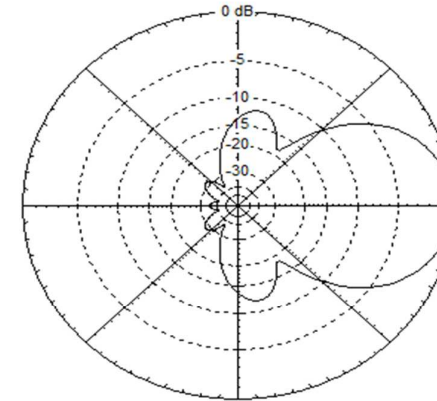
Cursor Az 0,0 deg.
 Gain 9,48 dBref
 0,0 dBmax

Slice Max Gain 9,48 dBref @ Az Angle = 0,0 deg.
 Front/Back 35,06 dB
 Beamwidth 46,2 deg.; -3dB @ 336,9, 23,1 deg.
 Sidelobe Gain -14,44 dBref @ Az Angle = 67,0 deg.
 Front/Sidelobe 23,92 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 9,48 dBref

Cursor Elev 0,0 deg.
 Gain 9,48 dBref
 0,0 dBmax

Slice Max Gain 9,48 dBref @ Elev Angle = 0,0 deg.
 Front/Back 35,06 dB
 Beamwidth 55,2 deg.; -3dB @ 332,4, 27,6 deg.
 Sidelobe Gain -2,49 dBref @ Elev Angle = 78,0 deg.
 Front/Sidelobe 11,97 dB