

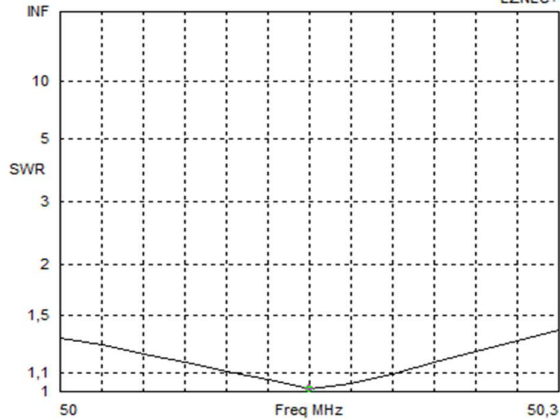
**Bausatz 5 ele Yagi 50 MHz mit 6,0m Boom im 12,5 Ohm Design**  
**Antenna kit 5 ele Yagi 50 MHz with 6,0m boom in 12,5 Ohm Design**

| Antennenabmessungen je Antennenhälfte  |               |            |          |
|--|---------------|------------|----------|
| Dimensions table for each antenna half |               |            |          |
|  | Position (mm) | 16 x 1,5mm | 12 x 1mm |
| Reflektor / Reflector                  | 0             | 500        | 1010     |
| Strahler / Radiator                    | 760           | 500        | 925      |
| Direktor / Director 1                  | 2140          | 500        | 874      |
| Direktor / Director 2                  | 4275          | 500        | 859      |
| Direktor / Director 3                  | 5970          | 500        | 817      |

Version 09/2012

SWR:

EZNEC+

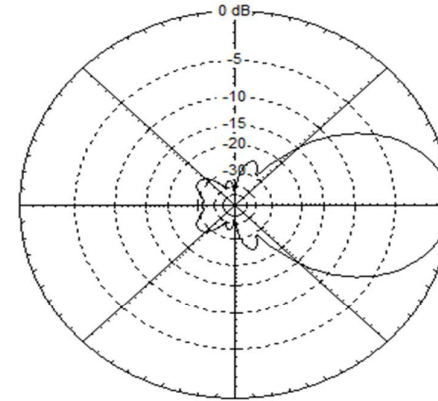


Freq 50,15 MHz Source # 1  
 SWR 1,013 Z0 12,5 ohms  
 Z 12,47 at -0,72 deg.  
 = 12,47 - j0,157 ohms  
 Refl Coeff 0,006427 at -101,53 deg.  
 = -0,001285 - j0,006297  
 Ret Loss 43,8 dB

Horizontales Richtdiagramm / Azimuth plot

\* Total Field  
 Horizontal Pol  
 Vertical Pol

EZNEC+



50,15 MHz

Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 9,57 dBref

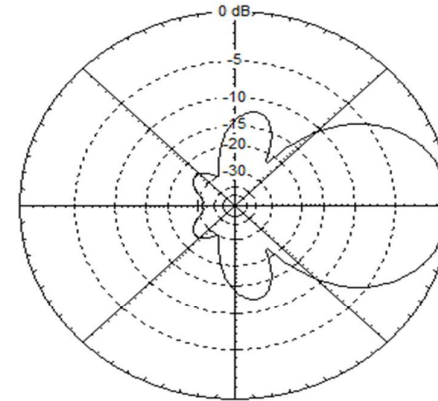
Cursor Az 0,0 deg.  
 Gain 9,57 dBref  
 0,0 dBmax

Slice Max Gain 9,57 dBref @ Az Angle = 0,0 deg.  
 Front/Back 32,58 dB  
 Beamwidth 46,2 deg.; -3dB @ 336,9, 23,1 deg.  
 Sidelobe Gain -14,63 dBref @ Az Angle = 68,0 deg.  
 Front/Sidelobe 24,2 dB

Vertikales Richtdiagramm / Elevation plot

\* Total Field  
 Horizontal Pol  
 Vertical Pol

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50,15 MHz

Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 9,57 dBref

Cursor Elev 0,0 deg.  
 Gain 9,57 dBref  
 0,0 dBmax

Slice Max Gain 9,57 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 32,58 dB  
 Beamwidth 55,2 deg.; -3dB @ 332,4, 27,6 deg.  
 Sidelobe Gain -2,54 dBref @ Elev Angle = 78,0 deg.  
 Front/Sidelobe 12,11 dB