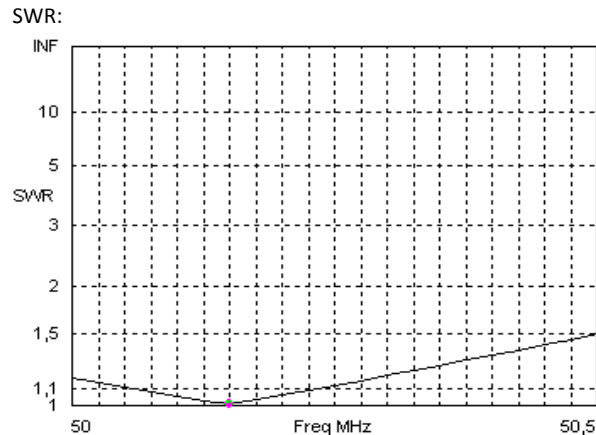


**Bausatz 4 ele Yagi 50 MHz mit 2,22m Boom im 50 Ohm Design**  
**Antenna kit 4 ele Yagi 50 MHz with 2,22m boom in 50 Ohm Design**

| Antennenabmessungen / Dimensions table |                             |                     |               |
|--|-----------------------------|---------------------|---------------|
|  | Durchmesser / Diameter (mm) | Länge / Length (mm) | Position (mm) |
| Reflektor / Reflector                  | 12                          | 2934                | 0             |
| Strahler / Radiator                    | 12                          | 2818                | 910           |
| Direktor 1 / Director 1                | 12                          | 2750                | 1150          |
| Direktor 2 / Director 2                | 12                          | 2708                | 2170          |

Alle Elementlängen gelten von Spitze zu Spitze, inklusive der Unterbrechung in der Mitte. All element lengths are given from tip to tip, including the spacing in the middle.

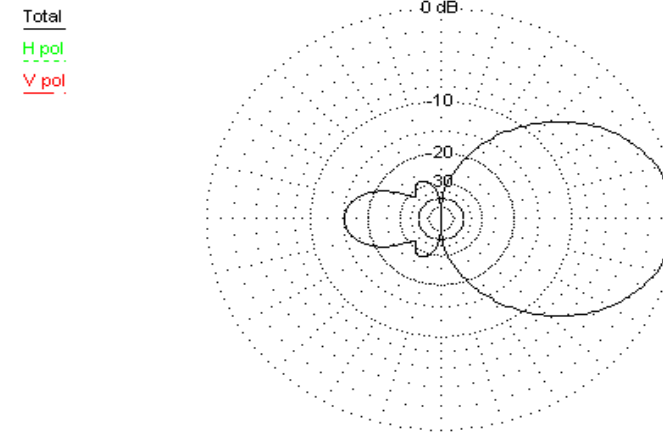


SWR: 1,1 1,5 2 3 5 10 INF

Freq 50,15 MHz Source # 1  
 SWR 1,008 Z0 50 ohms  
 Z 50,06 + j 0,389 ohms  
 Refl Coeff 0,003941 at 80,31 deg.

Horizontales Richtdiagramm / Azimuth plot

EZNEC-M



Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 6,87dBref

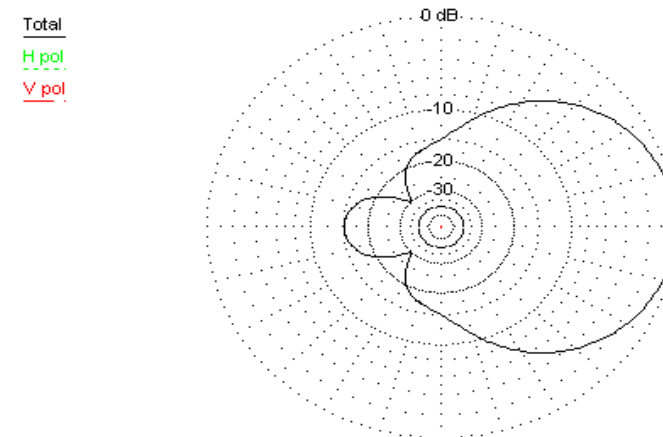
Cursor Az 0,0 deg.  
 Gain 6,87 dBref  
 0,0 dBmax

50,15 MHz

Slice Max Gain 6,87 dBref @ Az Angle = 0,0 deg.  
 Front/Back 15,1 dB  
 Beamwidth 58,4 deg.; -3dB @ 330,8, 29,2 deg.  
 Sidelobe Gain -8,23 dBref @ Az Angle = 180,0 deg.  
 Front/Sidelobe 15,1 dB

Vertikales Richtdiagramm / Elevation plot

EZNEC-M



Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 6,87dBref

Cursor Elev 0,0 deg.  
 Gain 6,87 dBref  
 0,0 dBmax

50,15 MHz

Slice Max Gain 6,87 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 15,1 dB  
 Beamwidth 84,2 deg.; -3dB @ 317,9, 42,1 deg.  
 Sidelobe Gain -8,23 dBref @ Elev Angle = 180,0 deg.  
 Front/Sidelobe 15,1 dB