

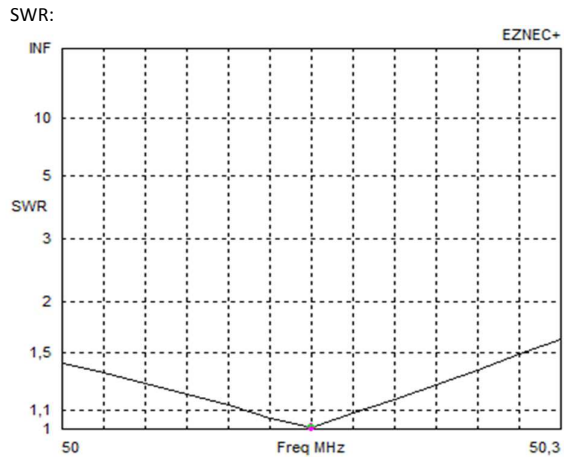


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**Bausatz 4 ele Yagi 50 MHz mit 2,9m Boom im 12,5 Ohm Design**  
**Antenna kit 4 ele Yagi 50 MHz with 2,9m boom in 12,5 Ohm Design**

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	1060
Strahler / Radiator	575	500	957
Direktor / Director 1	1455	500	914
Direktor / Director 2	2850	500	867

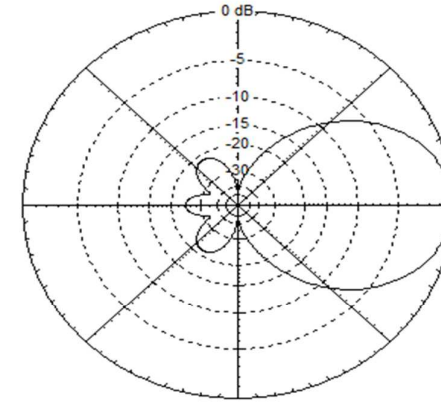
Version 09/2012



Freq 50,15 MHz Source # 1  
 SWR 1,01 Z0 12,5 ohms  
 Z 12,43 at 0,49 deg.  
 = 12,43 + j0,1065 ohms  
 Refl Coeff 0,005089 at 122,7 deg.  
 = -0,002749 + j0,004282  
 Ret Loss 45,9 dB

Horizontales Richtdiagramm / Azimuth plot

\* Total Field EZNEC+  
 Horizontal Pol  
 Vertical Pol



50,15 MHz

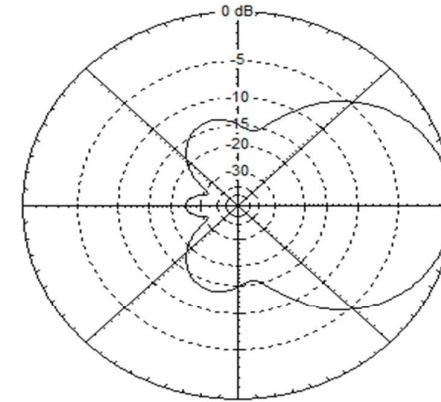
Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 7,53 dBref

Cursor Az 0,0 deg.  
 Gain 7,53 dBref  
 0,0 dBmax

Slice Max Gain 7,53 dBref @ Az Angle = 0,0 deg.  
 Front/Back 24,22 dB  
 Beamwidth 54,6 deg.; -3dB @ 332,7, 27,3 deg.  
 Sidelobe Gain -13,98 dBref @ Az Angle = 126,0 deg.  
 Front/Sidelobe 21,51 dB

Vertikales Richtdiagramm / Elevation plot

\* Total Field EZNEC+  
 Horizontal Pol  
 Vertical Pol



50,15 MHz

Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 7,53 dBref

Cursor Elev 0,0 deg.  
 Gain 7,53 dBref  
 0,0 dBmax

Slice Max Gain 7,53 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 24,22 dB  
 Beamwidth 73,2 deg.; -3dB @ 323,4, 36,6 deg.  
 Sidelobe Gain -5,89 dBref @ Elev Angle = 106,0 deg.  
 Front/Sidelobe 13,42 dB