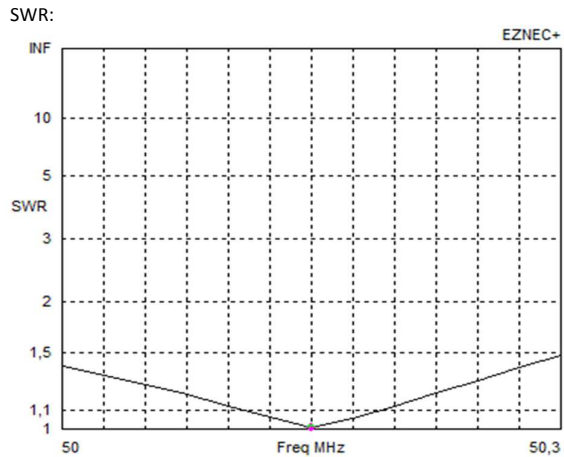


**Bausatz 4 ele Yagi 50 MHz mit 4,0m Boom im 12,5 Ohm Design**  
**Antenna kit 4 ele Yagi 50 MHz with 4,0m boom in 12,5 Ohm Design**

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	994
Strahler / Radiator	860	500	920
Direktor / Director 1	2340	500	882
Direktor / Director 2	3970	500	854

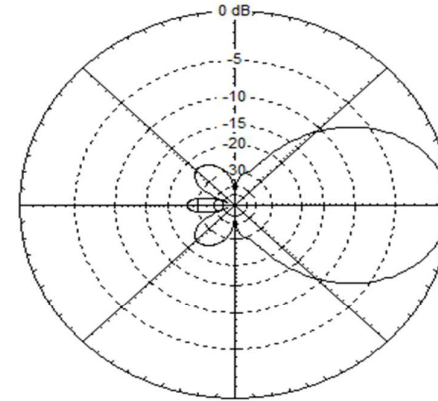
Version 09/2012



Freq 50,15 MHz Source # 1  
 SWR 1,007 Z0 12,5 ohms  
 Z 12,48 at -0,39 deg.  
 = 12,48 - j 0,08597 ohms  
 Refl Coeff 0,003526 at -102,39 deg.  
 = -0,0007569 - j 0,003444  
 Ret Loss 49,1 dB

Horizontales Richtdiagramm / Azimuth plot

\* Total Field EZNEC+  
 Horizontal Pol  
 Vertical Pol

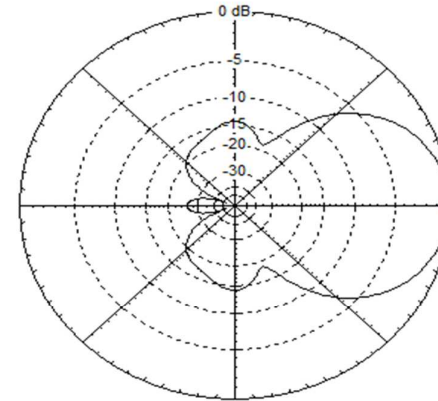


50,15 MHz

Azimuth Plot Cursor Az 0,0 deg.  
 Elevation Angle Gain 8,6 dBref  
 Outer Ring 8,6 dBref 0,0 dBmax  
 Slice Max Gain 8,6 dBref @ Az Angle = 0,0 deg.  
 Front/Back 25,8 dB  
 Beamwidth 50,4 deg.; -3dB @ 334,8, 25,2 deg.  
 Sidelobe Gain -14,77 dBref @ Az Angle = 131,0 deg.  
 Front/Sidelobe 23,37 dB

Vertikales Richtdiagramm / Elevation plot

\* Total Field EZNEC+  
 Horizontal Pol  
 Vertical Pol



50,15 MHz

Elevation Plot Cursor Elev 0,0 deg.  
 Azimuth Angle Gain 8,6 dBref  
 Outer Ring 8,6 dBref 0,0 dBmax  
 Slice Max Gain 8,6 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 25,8 dB  
 Beamwidth 63,2 deg.; -3dB @ 328,4, 31,6 deg.  
 Sidelobe Gain -5,63 dBref @ Elev Angle = 89,0 deg.  
 Front/Sidelobe 14,23 dB