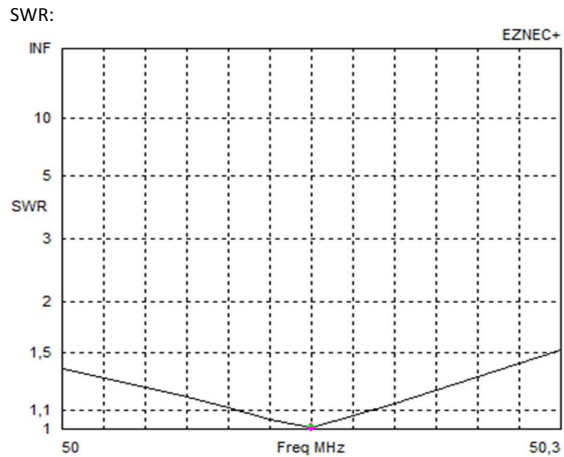


Bausatz 4 ele Yagi 50 MHz mit 3,6m Boom im 12,5 Ohm Design
Antenna kit 4 ele Yagi 50 MHz with 3,6m boom in 12,5 Ohm Design

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	750	500	931
Direktor / Director 1	2075	500	892
Direktor / Director 2	3580	500	864

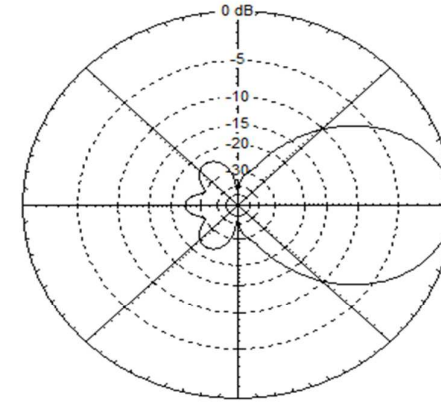
Version 09/2012



Freq 50,15 MHz Source # 1
 SWR 1,008 Z0 12,5 ohms
 Z 12,44 at 0,33 deg.
 = 12,44 + j0,07059 ohms
 Refl Coeff 0,003819 at 132,0 deg.
 = -0,002555 + j0,002838
 Ret Loss 48,4 dB

Horizontales Richtdiagramm / Azimuth plot

* Total Field EZNEC+
 Horizontal Pol
 Vertical Pol

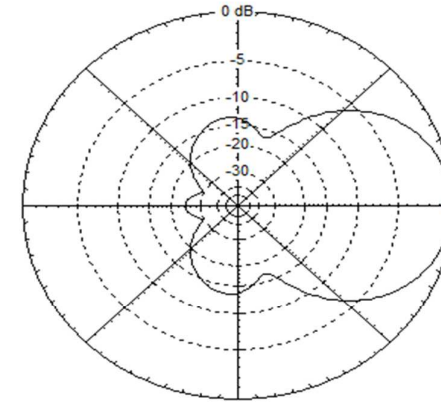


50,15 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,26 dBref
 Cursor Az 0,0 deg.
 Gain 8,26 dBref
 0,0 dBmax
 Slice Max Gain 8,26 dBref @ Az Angle = 0,0 deg.
 Front/Back 24,09 dB
 Beamwidth 51,2 deg.; -3dB @ 334,4, 25,6 deg.
 Sidelobe Gain -14,69 dBref @ Az Angle = 126,0 deg.
 Front/Sidelobe 22,95 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field EZNEC+
 Horizontal Pol
 Vertical Pol



50,15 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,26 dBref
 Cursor Elev 0,0 deg.
 Gain 8,26 dBref
 0,0 dBmax
 Slice Max Gain 8,26 dBref @ Elev Angle = 0,0 deg.
 Front/Back 24,09 dB
 Beamwidth 65,4 deg.; -3dB @ 327,3, 32,7 deg.
 Sidelobe Gain -5,14 dBref @ Elev Angle = 96,0 deg.
 Front/Sidelobe 13,4 dB