

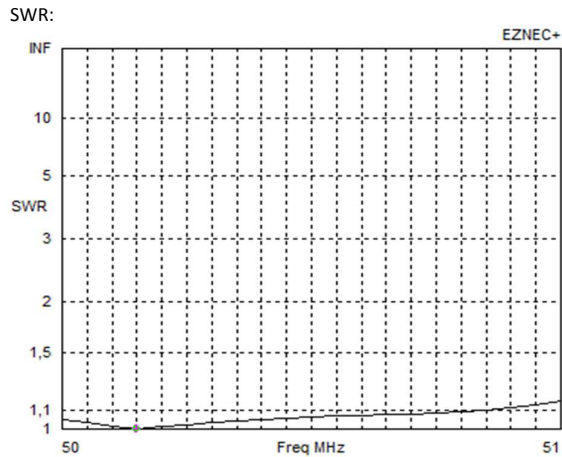


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Bausatz 4 ele Yagi 50 MHz mit 2,2m Boom im 28 Ohm Design
Antenna kit 4 ele Yagi 50 MHz with 2,2m boom in 28 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	1000
Strahler / Radiator	510	500	959
Direktor / Director 1	965	500	890
Direktor / Director 2	2180	500	785

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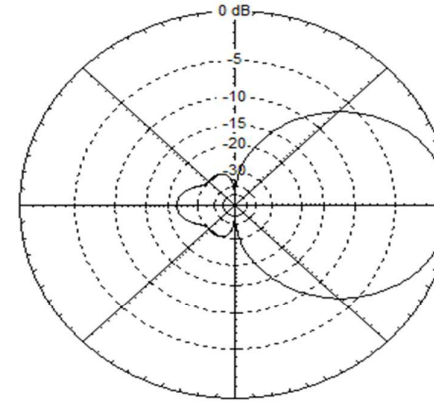


Freq 50,15 MHz Source # 1
 SWR 1 Z0 28 ohms
 Z 27,99 at -0,01 deg.
 = 27,99 - j 0,004689 ohms
 Refl Coeff 0,000148 at -145,53 deg.
 = -0,000122 - j 8,375E-05
 Ret Loss 76,6 dB

Horizontales Richtdiagramm / Azimuth plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 6,23 dBref

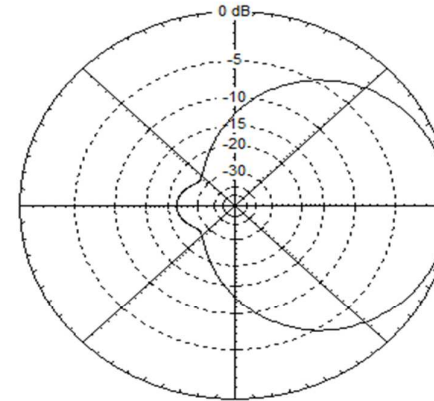
Cursor Az 0,0 deg.
 Gain 6,23 dBref
 0,0 dBmax

Slice Max Gain 6,23 dBref @ Az Angle = 0,0 deg.
 Front/Back 22,37 dB
 Beamwidth 61,7 deg.; -3dB @ 329,1, 30,8 deg.
 Sidelobe Gain -16,14 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 22,37 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 6,23 dBref

Cursor Elev 0,0 deg.
 Gain 6,23 dBref
 0,0 dBmax

Slice Max Gain 6,23 dBref @ Elev Angle = 0,0 deg.
 Front/Back 22,37 dB
 Beamwidth 95,4 deg.; -3dB @ 312,3, 47,7 deg.
 Sidelobe Gain -16,14 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 22,37 dB