



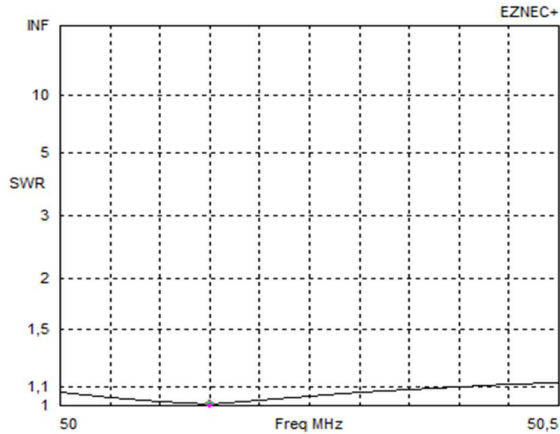
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Bausatz 5 ele Yagi 50 MHz mit 4,5m Boom im 28 Ohm Design
Antenna kit 5 ele Yagi 50 MHz with 4,5m boom in 28 Ohm Design

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	615	500	952,5
Direktor / Director 1	1310	500	886,5
Direktor / Director 2	2960	500	861
Direktor / Director 3	4480	500	836

Version 09/2012

SWR:

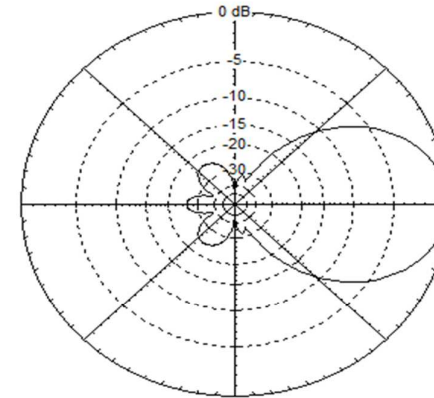


Freq 50,15 MHz Source # 1
 SWR 1,008 Z0 28 ohms
 Z 28,09 at 0,4 deg.
 = 28,09 + j 0,1944 ohms
 Refl Coeff 0,003794 at 65,76 deg.
 = 0,001558 + j 0,00346
 Ret Loss 48,4 dB

Horizontales Richtdiagramm / Azimuth plot

Total Field

EZNEC+



50,15 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,6 dBref

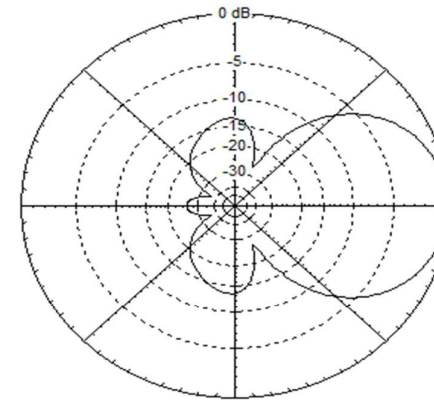
Cursor Az 0,0 deg.
 Gain 8,6 dBref
 0,0 dBmax

Slice Max Gain 8,6 dBref @ Az Angle = 0,0 deg.
 Front/Back 25,51 dB
 Beamwidth 50,8 deg.; -3dB @ 334,6, 25,4 deg.
 Sidelobe Gain -15,26 dBref @ Az Angle = 127,0 deg.
 Front/Sidelobe 23,86 dB

Vertikales Richtdiagramm / Elevation plot

Total Field

EZNEC+



50,15 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,6 dBref

Cursor Elev 0,0 deg.
 Gain 8,6 dBref
 0,0 dBmax

Slice Max Gain 8,6 dBref @ Elev Angle = 0,0 deg.
 Front/Back 25,51 dB
 Beamwidth 64,0 deg.; -3dB @ 328,0, 32,0 deg.
 Sidelobe Gain -4,83 dBref @ Elev Angle = 93,0 deg.
 Front/Sidelobe 13,43 dB