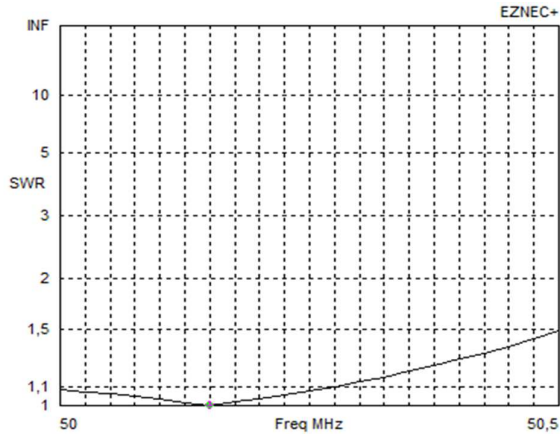


Bausatz 5 ele Yagi 50 MHz mit 4,0m Boom im 50 Ohm Design
Antenna kit 5 ele Yagi 50 MHz with 4,0m boom in 50 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	1005
Strahler / Radiator	835	500	988
Direktor / Director 1	1225	500	912
Direktor / Director 2	2560	500	892
Direktor / Director 3	3970	500	855

Version 09/2012

SWR:

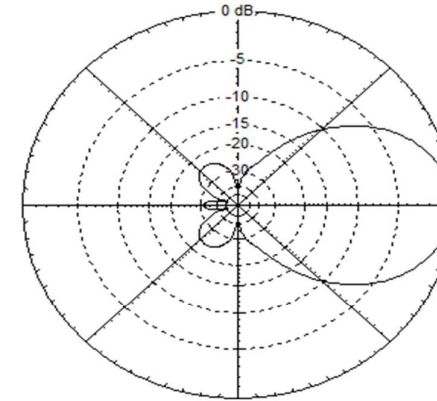


Freq 50,15 MHz Source # 1
 SWR 1,002 Z0 50 ohms
 Z 50,08 at 0,02 deg.
 = 50,08 + j 0,01975 ohms
 Refl Coeff 0,0008183 at 13,94 deg.
 = 0,0007942 + j 0,0001971
 Ret Loss 61,7 dB

Horizontales Richtdiagramm / Azimuth plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,28 dBref

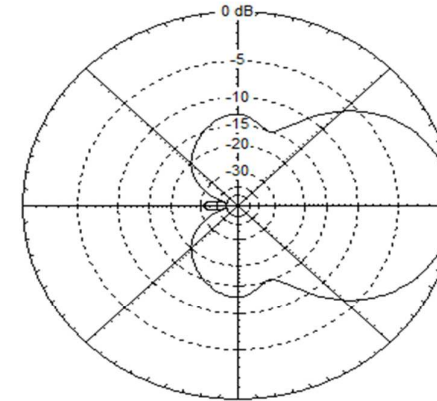
Cursor Az 0,0 deg.
 Gain 8,28 dBref
 0,0 dBmax

Slice Max Gain 8,28 dBref @ Az Angle = 0,0 deg.
 Front/Back 31,64 dB
 Beamwidth 51,0 deg.; -3dB @ 334,5, 25,5 deg.
 Sidelobe Gain -15,31 dBref @ Az Angle = 128,0 deg.
 Front/Sidelobe 23,59 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,28 dBref

Cursor Elev 0,0 deg.
 Gain 8,28 dBref
 0,0 dBmax

Slice Max Gain 8,28 dBref @ Elev Angle = 0,0 deg.
 Front/Back 31,64 dB
 Beamwidth 64,8 deg.; -3dB @ 327,6, 32,4 deg.
 Sidelobe Gain -4,62 dBref @ Elev Angle = 91,0 deg.
 Front/Sidelobe 12,9 dB