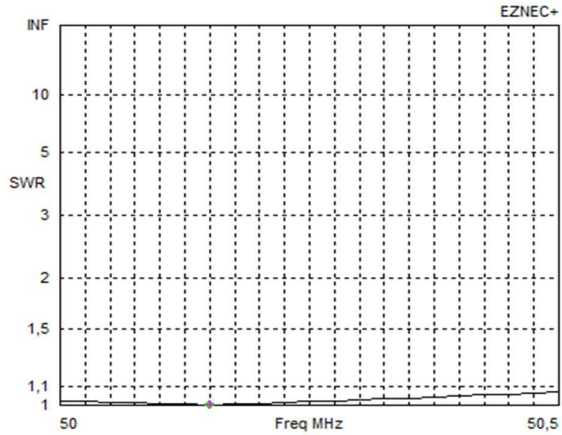


Bausatz 6 ele Yagi 50 MHz mit 5,7m Boom im 50 Ohm Design
Antenna kit 6 ele Yagi 50 MHz with 5,7m boom in 50 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	1004
Strahler / Radiator	750	500	975
Direktor / Director 1	1135	500	892
Direktor / Director 2	2430	500	861
Direktor / Director 3	4220	500	860
Direktor / Director 4	5700	500	825

Version 09/2012

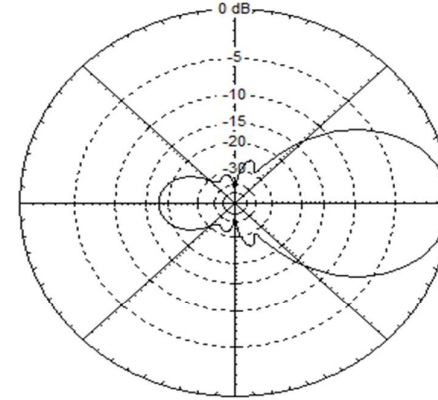
SWR:



Freq 50,15 MHz Source # 1
 SWR 1,002 Z0 50 ohms
 Z 50,06 at -0,11 deg.
 = 50,06 - j 0,09626 ohms
 Refl Coeff 0,001127 at -58,53 deg.
 = 0,0005886 - j 0,0009615
 Ret Loss 59,0 dB

Horizontales Richtdiagramm / Azimuth plot

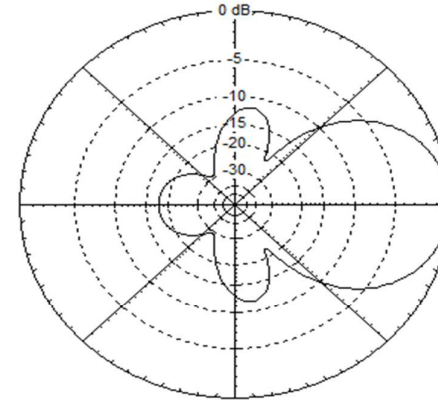
* Total Field EZNEC+
 Horizontal Pol
 Vertical Pol



Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 9,26 dBref
 Cursor Az 0,0 deg.
 Gain 9,26 dBref
 0,0 dBmax
 50,15 MHz
 Slice Max Gain 9,26 dBref @ Az Angle = 0,0 deg.
 Front/Back 17,79 dB
 Beamwidth 47,4 deg.; -3dB @ 336,3, 23,7 deg.
 Sidelobe Gain -8,53 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 17,79 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field EZNEC+
 Horizontal Pol
 Vertical Pol



Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 9,26 dBref
 Cursor Elev 0,0 deg.
 Gain 9,26 dBref
 0,0 dBmax
 50,15 MHz
 Slice Max Gain 9,26 dBref @ Elev Angle = 0,0 deg.
 Front/Back 17,79 dB
 Beamwidth 57,2 deg.; -3dB @ 331,4, 28,6 deg.
 Sidelobe Gain -2,45 dBref @ Elev Angle = 81,0 deg.
 Front/Sidelobe 11,71 dB