

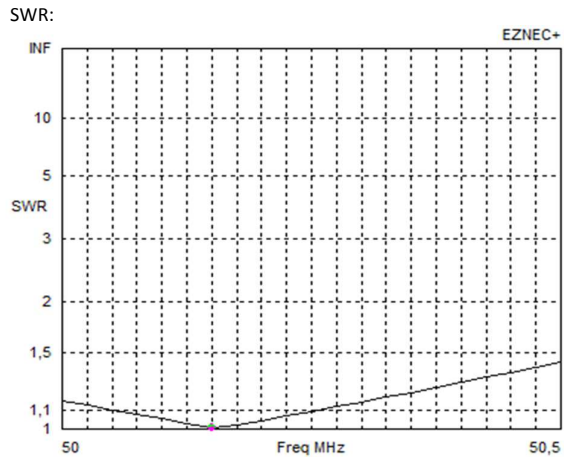


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Bausatz 4 ele Yagi 50 MHz mit 2,2m Boom im 50 Ohm Design
Antenna kit 4 ele Yagi 50 MHz with 2,2m boom in 50 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	985
Strahler / Radiator	910	500	936
Direktor / Director 1	1150	500	897
Direktor / Director 2	2170	500	870

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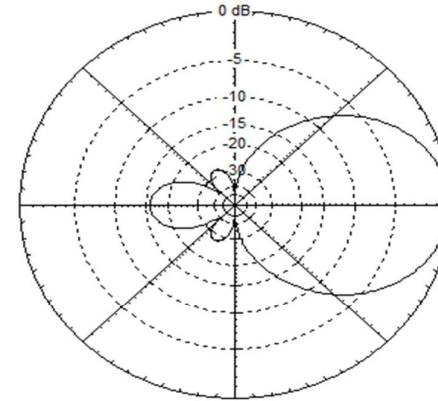


Freq 50,15 MHz Source # 1
 SWR 1,006 Z0 50 ohms
 Z 49,73 at -0,04 deg.
 = 49,73 - j 0,03853 ohms
 Refl Coeff 0,002758 at -171,92 deg.
 = -0,002731 - j 0,0003874
 Ret Loss 51,2 dB

Horizontales Richtdiagramm / Azimuth plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 6,81 dBref

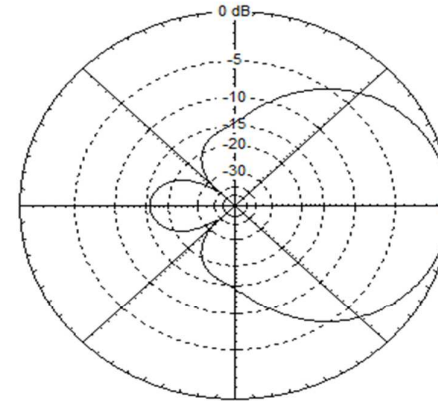
Cursor Az 0,0 deg.
 Gain 6,81 dBref
 0,0 dBmax

Slice Max Gain 6,81 dBref @ Az Angle = 0,0 deg.
 Front/Back 15,89 dB
 Beamwidth 58,6 deg.; -3dB @ 330,7, 29,3 deg.
 Sidelobe Gain -9,08 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 15,89 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field
 Horizontal Pol
 Vertical Pol

EZNEC+



50,15 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 6,81 dBref

Cursor Elev 0,0 deg.
 Gain 6,81 dBref
 0,0 dBmax

Slice Max Gain 6,81 dBref @ Elev Angle = 0,0 deg.
 Front/Back 15,89 dB
 Beamwidth 85,0 deg.; -3dB @ 317,5, 42,5 deg.
 Sidelobe Gain -9,08 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 15,89 dB