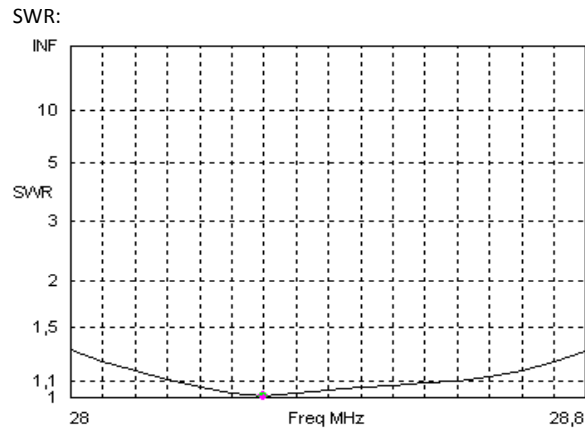


Bausatz 4 ele Yagi 28 MHz mit 3,9m Boom im 28 Ohm Design
Antenna kit 4 ele Yagi 28 MHz with 3,9m boom in 28 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	1000	1672
Strahler / Radiator	900	1000	1604
Direktor / Director 1	1700	1000	1500
Direktor / Director 2	3800	1000	1340

Gewinn / Gain 6,30 dB @ 28,4 MHz
 V/R Verhältnis / F/B ratio 23,5 dB @ 28,4 MHz

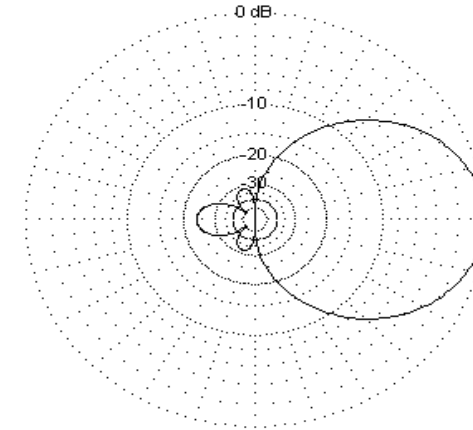


Freq 28,3 MHz Source # 1
 SWR 1,008 Z0 28 ohms
 Z 27,91 + j 0,2021 ohms
 Refl Coeff 0,003922 at 112,62 deg.

Horizontales Richtdiagramm / Azimuth plot

EZNEC-M

Total
 H pol
 V pol



28,4 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 6,3dBref

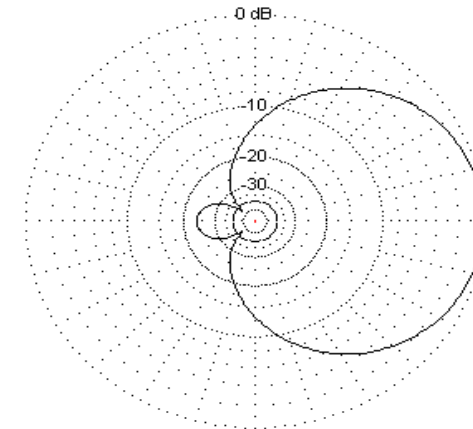
Cursor Az 0,0 deg.
 Gain 6,3 dBref
 0,0 dBmax

Slice Max Gain 6,3 dBref @ Az Angle = 0,0 deg.
 Front/Back 23,48 dB
 Beamwidth 61,4 deg.; -3dB @ 329,3, 30,7 deg.
 Sidelobe Gain -17,18 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 23,48 dB

Vertikales Richtdiagramm / Elevation plot

EZNEC-M

Total
 H pol
 V pol



28,4 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 6,3dBref

Cursor Elev 0,0 deg.
 Gain 6,3 dBref
 0,0 dBmax

Slice Max Gain 6,3 dBref @ Elev Angle = 0,0 deg.
 Front/Back 23,48 dB
 Beamwidth 94,4 deg.; -3dB @ 312,8, 47,2 deg.
 Sidelobe Gain -17,18 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 23,48 dB