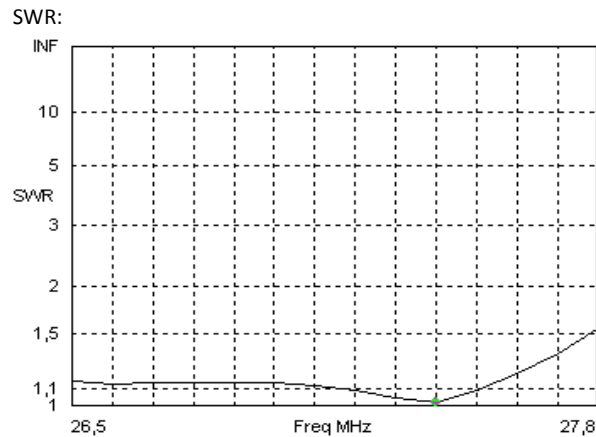


**Bausatz 4 ele Yagi 27 MHz mit 4m Boom im 50 Ohm Design**  
**Antenna kit 3 ele Yagi 27 MHz with 4m boom in 50 Ohm Design**

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	1000	1800
Strahler / Radiator	1350	1000	1780
Direktor 1 / Director 1	1800	1000	1600
Direktor 1 / Director 1	3900	1000	1400

Gewinn / Gain 5,76 dB @ 27,2 MHz  
 V/R Verhältnis / F/B ratio 24,54 dB @ 27,2 MHz

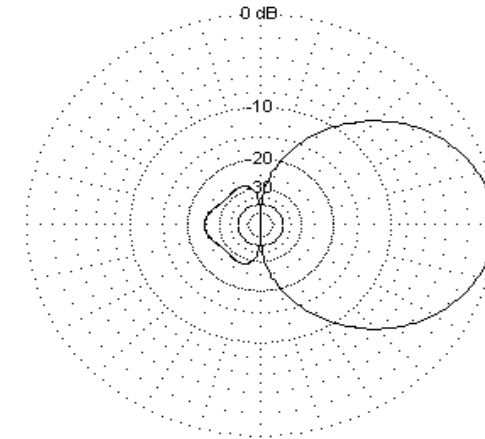


Freq 27,4 MHz Source # 1  
 SWR 1,014 Z0 50 ohms  
 Z 49,33 + j 0,1474 ohms  
 Refl Coeff 0,006947 at 167,58 deg.

Horizontales Richtdiagramm / Azimuth plot

EZNEC-M

Total  
 H pol  
 V pol



27,2 MHz

Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 5,76dBref

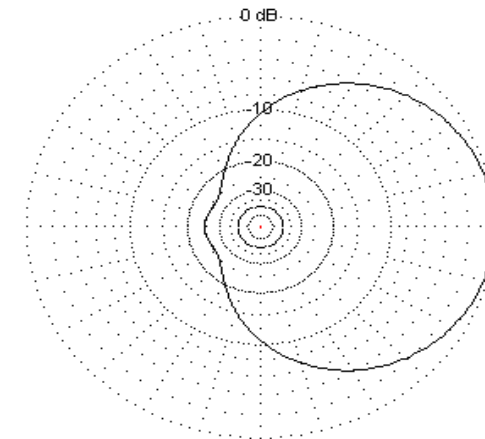
Cursor Az 0,0 deg.  
 Gain 5,76 dBref  
 0,0 dBmax

Slice Max Gain 5,76 dBref @ Az Angle = 0,0 deg.  
 Front/Back 24,54 dB  
 Beamwidth 63,6 deg.; -3dB @ 328,2, 31,8 deg.  
 Sidelobe Gain -18,78 dBref @ Az Angle = 180,0 deg.  
 Front/Sidelobe 24,54 dB

Vertikales Richtdiagramm / Elevation plot

EZNEC-M

Total  
 H pol  
 V pol



27,2 MHz

Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 5,76dBref

Cursor Elev 0,0 deg.  
 Gain 5,76 dBref  
 0,0 dBmax

Slice Max Gain 5,76 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 24,54 dB  
 Beamwidth 104,0 deg.; -3dB @ 308,0, 52,0 deg.  
 Sidelobe Gain -18,78 dBref @ Elev Angle = 180,0 deg.  
 Front/Sidelobe 24,54 dB