

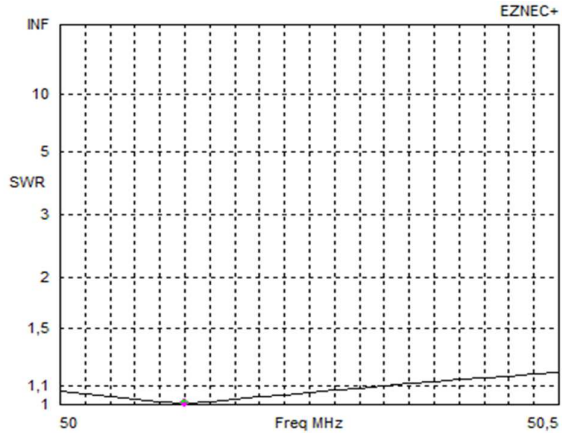


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Bausatz 5 ele Yagi 50 MHz mit 4,80m Boom im 28 Ohm Design
Antenna kit 5 ele Yagi 50 MHz with 4,80m boom in 28 Ohm Design

Antennenabmessungen je Antennenhälfte			
Dimensions table for each antenna half			
	Position (mm)	16 x 1,5mm	12 x 1mm
Reflektor / Reflector	0	500	1000
Strahler / Radiator	880	500	922
Direktor / Director 1	1740	500	877
Direktor / Director 2	3350	500	865
Direktor / Director 3	4750	500	825

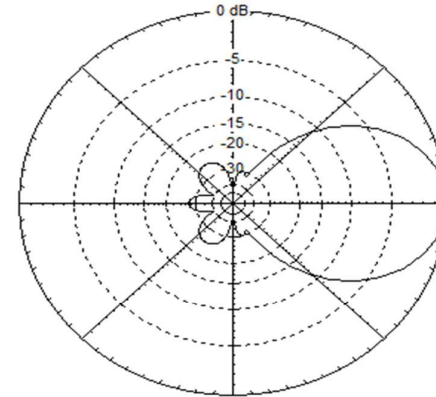
SWR:



Freq 50,125 MHz Source # 1
 SWR 1,006 Z0 28 ohms
 Z 27,83 at 0,01 deg.
 = 27,83 + j 0,007167 ohms
 Refl Coeff 0,003073 at 177,6 deg.
 = -0,00307 + j 0,0001288
 Ret Loss 50,2 dB

Horizontales Richtdiagramm / Azimuth plot

* Total Field
 Horizontal Pol
 Vertical Pol



EZNEC+

50,15 MHz

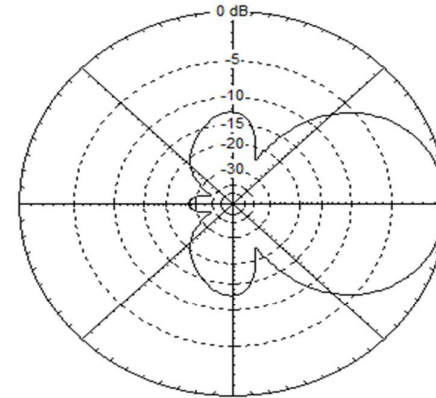
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,77 dBref

Cursor Az 0,0 deg.
 Gain 8,77 dBref
 0,0 dBmax

Slice Max Gain 8,77 dBref @ Az Angle = 0,0 deg.
 Front/Back 27,13 dB
 Beamwidth 50,6 deg.; -3dB @ 334,7, 25,3 deg.
 Sidelobe Gain -15,77 dBref @ Az Angle = 123,0 deg.
 Front/Sidelobe 24,54 dB

Vertikales Richtdiagramm / Elevation plot

* Total Field
 Horizontal Pol
 Vertical Pol



EZNEC+

50,15 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,77 dBref

Cursor Elev 0,0 deg.
 Gain 8,77 dBref
 0,0 dBmax

Slice Max Gain 8,77 dBref @ Elev Angle = 0,0 deg.
 Front/Back 27,13 dB
 Beamwidth 63,4 deg.; -3dB @ 328,3, 31,7 deg.
 Sidelobe Gain -3,9 dBref @ Elev Angle = 92,0 deg.
 Front/Sidelobe 12,67 dB