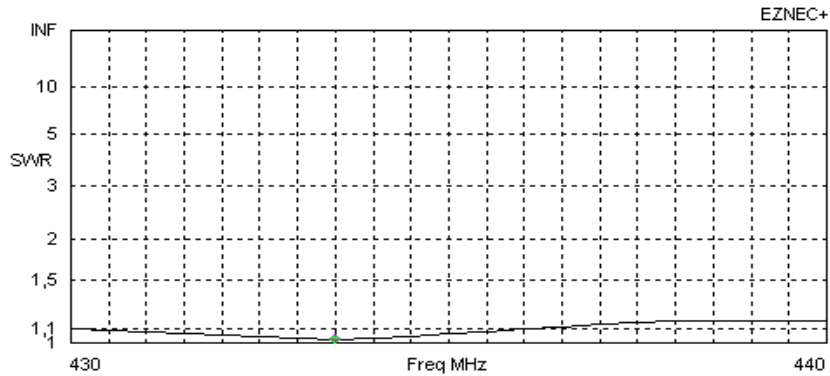


Bausatz 7 ele Yagi 432 MHz mit 0,98m Boom im 50 Ohm Design
Antenna kit 7 ele Yagi 432 MHz with 0,98m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	341	0
Strahler / Radiator	4	336	115
Direktor 1 / Director 1	3,2	312	165
Direktor 2 / Director 2	3,2	302	330
Direktor 3 / Director 3	3,2	299	545
Direktor 4 / Director 4	3,2	302	785
Direktor 5 / Director 5	3,2	295	960

SWR:

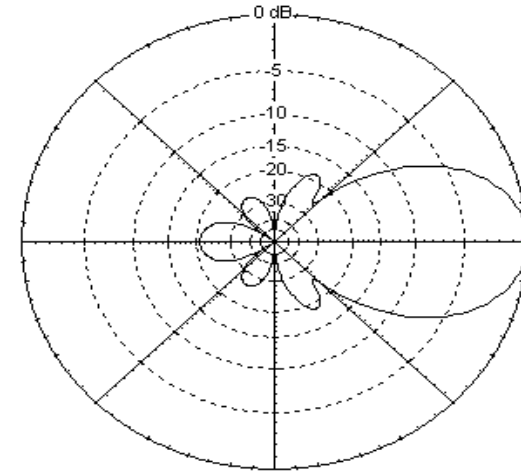


Freq 433,5 MHz
SWR 1,023
 Z 50,37 at 1,25 deg.
 = 50,35 + j 1,1 ohms
 Refl Coeff 0,01151 at 71,56 deg.
 = 0,003641 + j 0,01092
 Ret Loss 38,8 dB

Source # 1
 Z0 50 ohms

Azimuth:

Total Field



EZNEC+

432,2 MHz

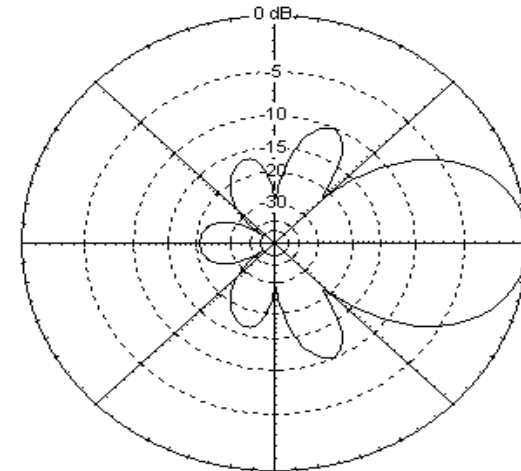
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 10,33 dBref

Cursor Az 0,0 deg.
 Gain 10,33 dBref
 0,0 dBmax

Slice Max Gain 10,33 dBref @ Az Angle = 0,0 deg.
 Front/Back 21,01 dB
 Beamwidth 41,4 deg.; -3dB @ 339,3, 20,7 deg.
 Sidelobe Gain -8,43 dBref @ Az Angle = 60,0 deg.
 Front/Sidelobe 18,76 dB

Elevation:

Total Field



EZNEC+

432,2 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 10,33 dBref

Cursor Elev 0,0 deg.
 Gain 10,33 dBref
 0,0 dBmax

Slice Max Gain 10,33 dBref @ Elev Angle = 0,0 deg.
 Front/Back 21,01 dB
 Beamwidth 47,4 deg.; -3dB @ 336,3, 23,7 deg.
 Sidelobe Gain 0,07 dBref @ Elev Angle = 65,0 deg.
 Front/Sidelobe 10,26 dB