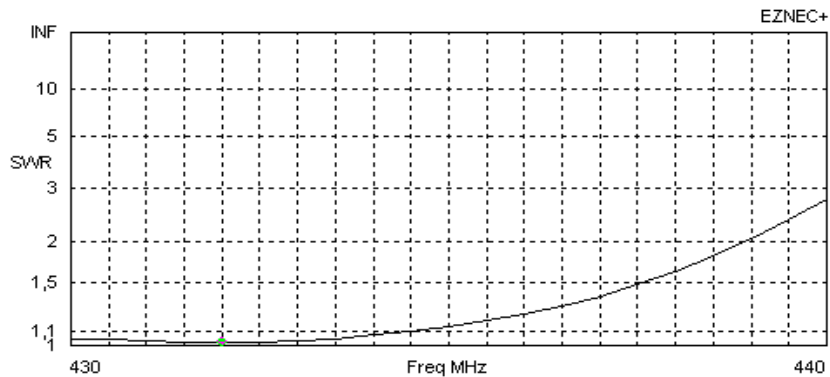


Bausatz 9 ele Yagi 432 MHz mit 1,60m Boom im 50 Ohm Design
Antenna kit 9 ele Yagi 432 MHz with 1,60m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	4	337	0
Strahler / Radiator	4	336	140
Direktor 1 / Director 1	4	313	195
Direktor 2 / Director 2	4	300	365
Direktor 3 / Director 3	4	294	610
Direktor 4 / Director 4	4	291	875
Direktor 5 / Director 5	4	291	1130
Direktor 6 / Director 6	4	293	1385
Direktor 7 / Director 7	4	280	1580

SWR:

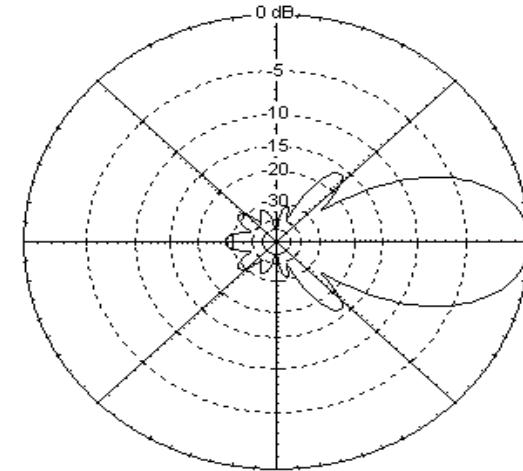


Freq 432 MHz
SWR 1,019
 Z = 50,49 at 0,92 deg.
 = 50,48 + j 0,8075 ohms
 Refl Coeff 0,009343 at 58,87 deg.
 = 0,00483 + j 0,007997
 Ret Loss 40,6 dB

Source # 1
 Z0 50 ohms

Azimuth:

Total Field



EZNEC+

432,2 MHz

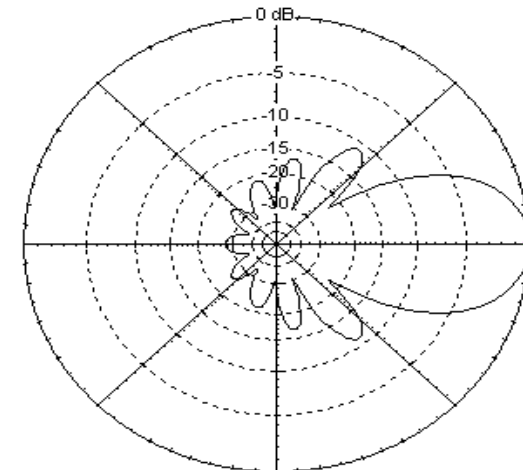
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 12,04 dBref

Cursor Az 0,0 deg.
 Gain 12,04 dBref
 0,0 dBmax

Slice Max Gain 12,04 dBref @ Az Angle = 0,0 deg.
 Front/Back 27,48 dB
 Beamwidth 35,2 deg.; -3dB @ 342,4, 17,6 deg.
 Sidelobe Gain -4,15 dBref @ Az Angle = 49,0 deg.
 Front/Sidelobe 16,19 dB

Elevation:

Total Field



EZNEC+

432,2 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 12,04 dBref

Cursor Elev 0,0 deg.
 Gain 12,04 dBref
 0,0 dBmax

Slice Max Gain 12,04 dBref @ Elev Angle = 0,0 deg.
 Front/Back 27,48 dB
 Beamwidth 38,4 deg.; -3dB @ 340,8, 19,2 deg.
 Sidelobe Gain 0,98 dBref @ Elev Angle = 51,0 deg.
 Front/Sidelobe 11,06 dB