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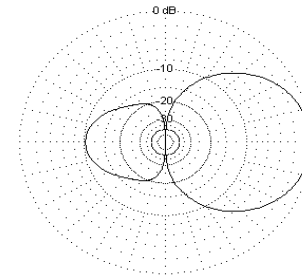
Bausatz 5 ele Yagi 144 / 432 mit 0,52m Boom im 50 Ohm Design
Antenna kit 4 ele Yagi 144 / 432 MHz with 0,52m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector 2m	8	1020	0
Reflektor / Reflector 70cm	8	318	230
Radiator 2m/70cm	8	932	370
Open Sleeve Element 70cm	8	322	401
Direktor / Director 70cm	8	295	500

Das 70cm "open sleeve element" wird erst nach dem Feinabgleich am Boom befestigt!
 The 70cm "open sleeve element" will be attached only after the fine tuning!

Azimuth:

145 MHz

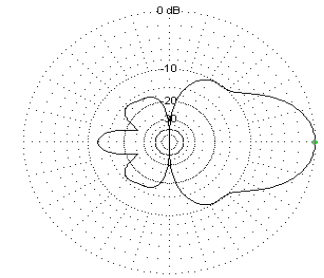


EZNEC-M

145 MHz
 Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 4,14dBref
 Slice Max Gain 4,14 dBref @ Az Angle = 0,0 deg.
 Front/Back 10,31 dB
 Beamwidth 69,8 deg.; -3dB @ 325,1, 34,9 deg.
 Sidelobe Gain -6,17 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 10,31 dB

Cursor Az
 Gain 0,0 deg.
 4,14 dBref
 0,0 dBmax

432 MHz



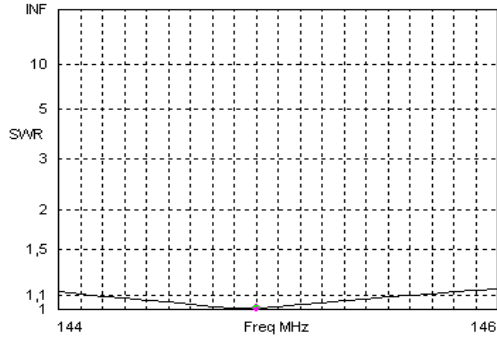
EZNEC-M

432 MHz
 Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 6,25dBref
 Slice Max Gain 6,25 dBref @ Az Angle = 0,0 deg.
 Front/Back 12,24 dB
 Beamwidth 44,0 deg.; -3dB @ 338,0, 22,0 deg.
 Sidelobe Gain -3,8 dBref @ Az Angle = 310,0 deg.
 Front/Sidelobe 10,05 dB

Cursor Az
 Gain 0,0 deg.
 6,25 dBref
 0,0 dBmax

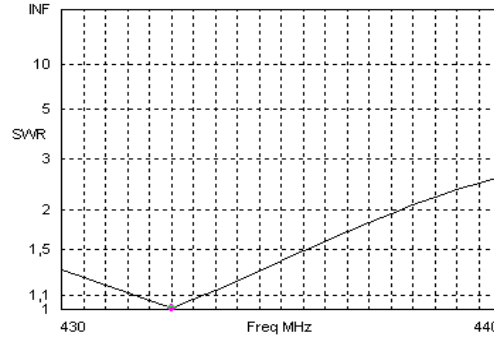
SWR:

144 MHz



Freq 144,9 MHz
 SWR 1,006
 Z 50,02 + j 0,3222 ohms
 Refl Coeff 0,003231 at 85,47 deg.
 Source # 1
 Z0 50 ohms

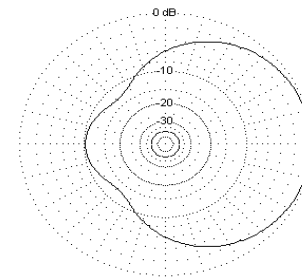
432 MHz



Freq 432,5 MHz
 SWR 1,012
 Z 50,58 + j 0,1073 ohms
 Refl Coeff 0,005908 at 10,34 deg.
 Source # 1
 Z0 50 ohms

Elevation:

145 MHz

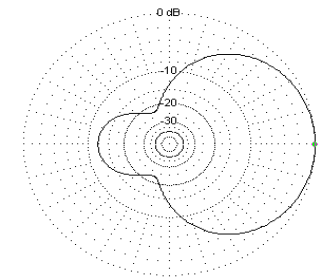


EZNEC-M

145 MHz
 Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 4,14dBref
 Slice Max Gain 4,14 dBref @ Elev Angle = 0,0 deg.
 Front/Back 10,31 dB
 Beamwidth 137,0 deg.; -3dB @ 291,5, 68,5 deg.
 Sidelobe Gain -6,17 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 10,31 dB

Cursor Elev
 Gain 0,0 deg.
 4,14 dBref
 0,0 dBmax

432 MHz



EZNEC-M

432 MHz
 Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 6,25dBref
 Slice Max Gain 6,25 dBref @ Elev Angle = 0,0 deg.
 Front/Back 12,24 dB
 Beamwidth 108,0 deg.; -3dB @ 308,0, 54,0 deg.
 Sidelobe Gain -5,99 dBref @ Elev Angle = 180,0 deg.
 Front/Sidelobe 12,24 dB

Cursor Elev
 Gain 0,0 deg.
 6,25 dBref
 0,0 dBmax