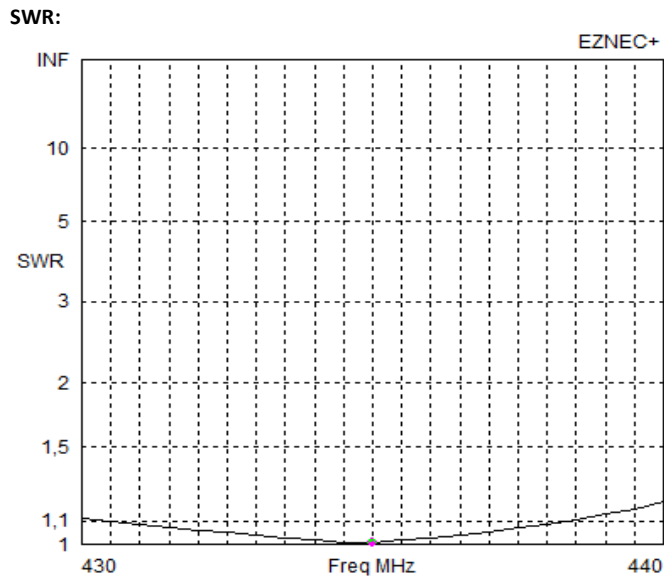


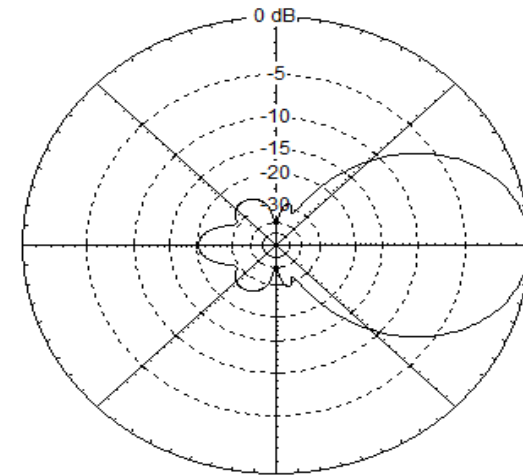
Bausatz 5 ele Yagi 432 MHz mit 0,61m Boom im 50 Ohm Design
Antenna kit 5 ele Yagi 432 MHz with 0,61m boom in 50 Ohm Design

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	6	332	0
Strahler / Radiator	6	323	155
Direktor 1 / Director 1	6	298	238
Direktor 2 / Director 2	6	296	420
Direktor 3 / Director 3	6	286	590



Freq 435 MHz Source # 1
 SWR 1,006 Z0 50 ohms
 Z 50,29 at 0,01 deg.
 = 50,29 + j 0,006887 ohms
 Refl Coeff 0,002844 at 1,38 deg.
 = 0,002843 + j 6,848E-05
 Ret Loss 50,9 dB

Azimuth:
Total Field



EZNEC+

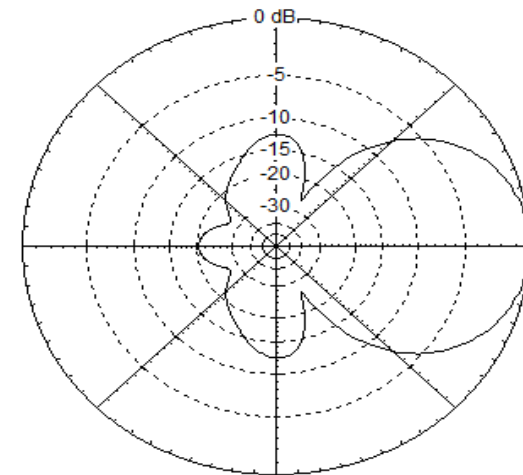
432 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 8,67 dBref

Cursor Az 0,0 deg.
 Gain 8,67 dBref
 0,0 dBmax

Slice Max Gain 8,67 dBref @ Az Angle = 0,0 deg.
 Front/Back 20,33 dB
 Beamwidth 50,6 deg.; -3dB @ 334,7, 25,3 deg.
 Sidelobe Gain -11,66 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 20,33 dB

Elevation:
Total Field



EZNEC+

432 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 8,67 dBref

Cursor Elev 0,0 deg.
 Gain 8,67 dBref
 0,0 dBmax

Slice Max Gain 8,67 dBref @ Elev Angle = 0,0 deg.
 Front/Back 20,33 dB
 Beamwidth 63,0 deg.; -3dB @ 328,5, 31,5 deg.
 Sidelobe Gain -3,59 dBref @ Elev Angle = 89,0 deg.
 Front/Sidelobe 12,26 dB