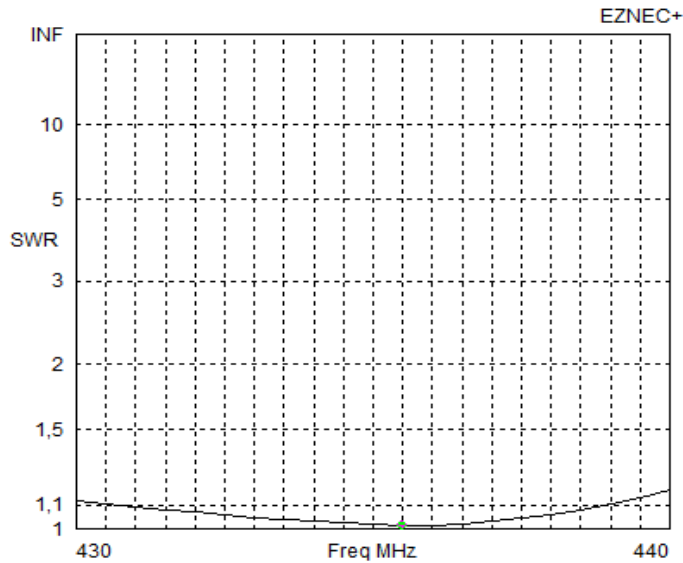


**Bausatz 5 ele Yagi 432 MHz mit 0,61m Boom im 50 Ohm Design**  
**Antenna kit 5 ele Yagi 432 MHz with 0,61m boom in 50 Ohm Design**

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	335	0
Strahler / Radiator	4	326	155
Direktor 1 / Director 1	3,2	306	238
Direktor 2 / Director 2	3,2	304	420
Direktor 3 / Director 3	3,2	295	590

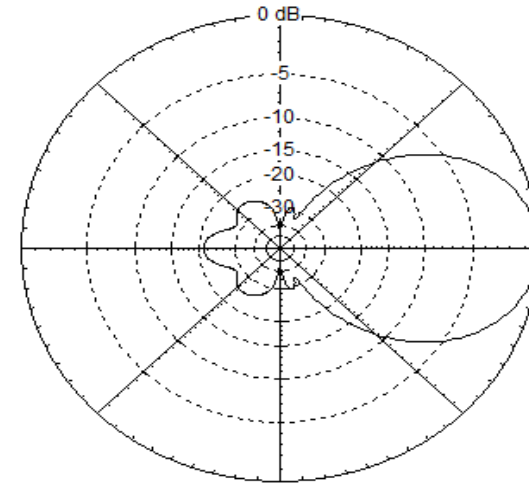
**SWR:**



Freq 435,5 MHz  
 SWR 1,015  
 Z 50,3 at 0,78 deg.  
 = 50,29 + j 0,6808 ohms  
 Refl Coeff 0,007388 at 66,36 deg.  
 = 0,002963 + j 0,006768  
 Ret Loss 42,6 dB

Source # 1  
 Z0 50 ohms

**Azimuth:**  
Total Field



EZNEC+

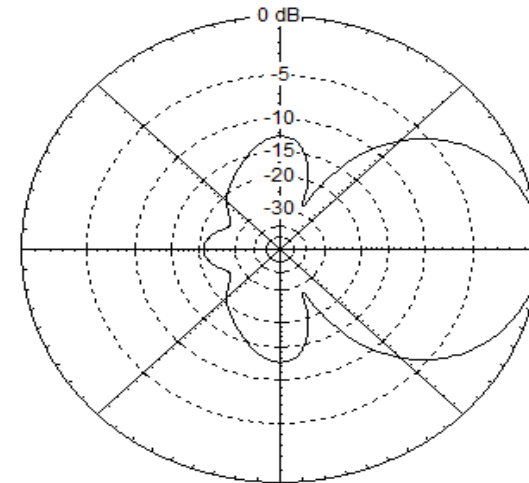
432 MHz

Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 8,62 dBref

Cursor Az 0,0 deg.  
 Gain 8,62 dBref  
 0,0 dBmax

Slice Max Gain 8,62 dBref @ Az Angle = 0,0 deg.  
 Front/Back 20,92 dB  
 Beamwidth 50,8 deg.; -3dB @ 334,6, 25,4 deg.  
 Sidelobe Gain -12,3 dBref @ Az Angle = 180,0 deg.  
 Front/Sidelobe 20,92 dB

**Elevation:**  
Total Field



EZNEC+

432 MHz

Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 8,62 dBref

Cursor Elev 0,0 deg.  
 Gain 8,62 dBref  
 0,0 dBmax

Slice Max Gain 8,62 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 20,92 dB  
 Beamwidth 63,6 deg.; -3dB @ 328,2, 31,8 deg.  
 Sidelobe Gain -3,83 dBref @ Elev Angle = 89,0 deg.  
 Front/Sidelobe 12,45 dB