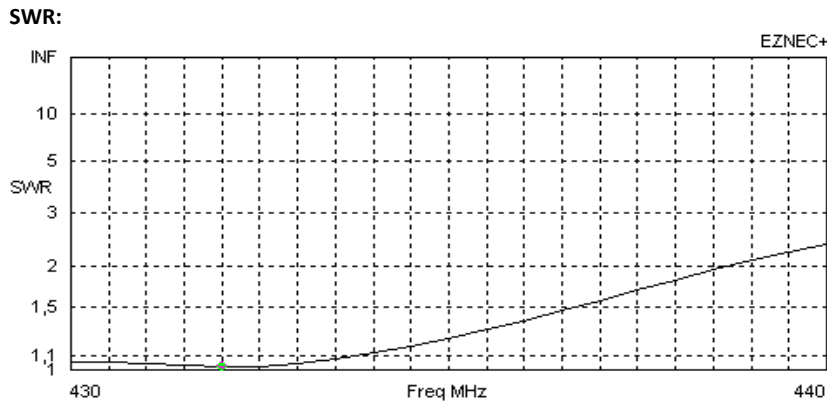


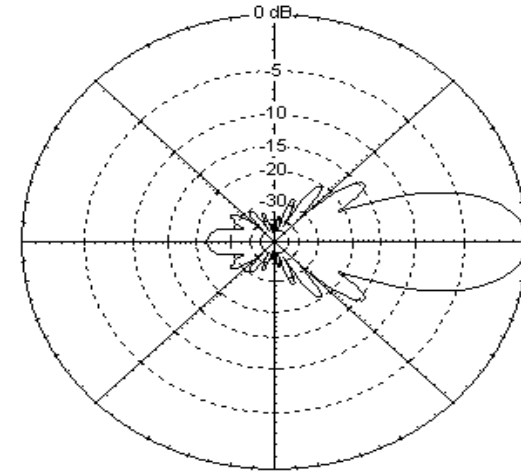
**Bausatz 14 ele Yagi 432 MHz mit 3,00m Boom im 50 Ohm Design**  
**Antenna kit 14 ele Yagi 432 MHz with 3,00m boom in 50 Ohm Design**

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	3,2	338	0
Strahler / Radiator	4	327	140
Direktor 1 / Director 1	3,2	308	198
Direktor 2 / Director 2	3,2	304	355
Direktor 3 / Director 3	3,2	298	585
Direktor 4 / Director 4	3,2	296	840
Direktor 5 / Director 5	3,2	292	1105
Direktor 6 / Director 6	3,2	290	1380
Direktor 7 / Director 7	3,2	288	1655
Direktor 8 / Director 8	3,2	287	1935
Direktor 9 / Director 9	3,2	287	2215
Direktor 10 / Director 10	3,2	288	2490
Direktor 11 / Director 11	3,2	290	2760
Direktor 12 / Director 12	3,2	287	2980



Freq 432 MHz Source # 1  
**SWR 1,019** Z0 50 ohms  
 Z 49,34 at -0,77 deg.  
 = 49,34 - j 0,6672 ohms  
 Refl Coeff 0,009475 at -134,47 deg.  
 = -0,006638 - j 0,006761  
 Ret Loss 40,5 dB

**Azimuth:**  
 Total Field



EZNEC+

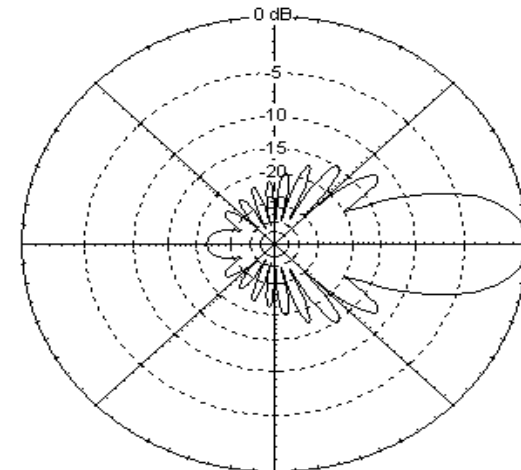
432,2 MHz

Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 14,33 dBref

Cursor Az 0,0 deg.  
 Gain 14,33 dBref  
 0,0 dBmax

Slice Max Gain 14,33 dBref @ Az Angle = 0,0 deg.  
 Front/Back 22,75 dB  
 Beamwidth 26,6 deg.; -3dB @ 346,7, 13,3 deg.  
 Sidelobe Gain 0,07 dBref @ Az Angle = 35,0 deg.  
 Front/Sidelobe 14,26 dB

**Elevation:**  
 Total Field



EZNEC+

432,2 MHz

Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 14,33 dBref

Cursor Elev 0,0 deg.  
 Gain 14,33 dBref  
 0,0 dBmax

Slice Max Gain 14,33 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 22,75 dB  
 Beamwidth 28,0 deg.; -3dB @ 346,0, 14,0 deg.  
 Sidelobe Gain 2,53 dBref @ Elev Angle = 36,0 deg.  
 Front/Sidelobe 11,8 dB