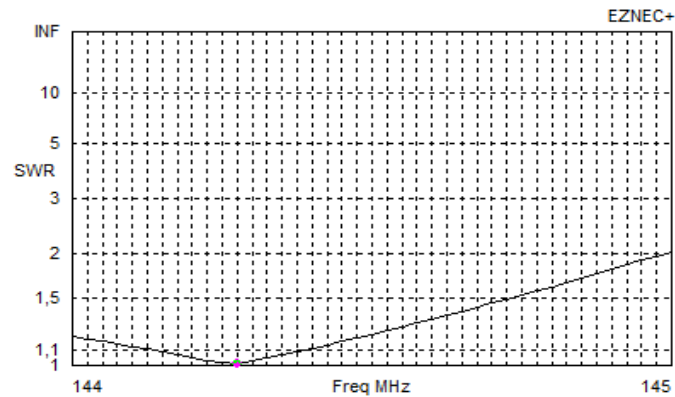


**Bausatz 5 ele Yagi 144 MHz mit 2,0m Boom im 12,5 Ohm Design**  
**Antenna kit 5 ele Yagi 144 MHz with 2,0m boom in 12,5 Ohm Design**

Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1030	0
Strahler / Radiator	10	966	260
Direktor 1 / Director 1	8	930	715
Direktor 2 / Director 2	8	924	1425
Direktor 3 / Director 3	8	910	1980

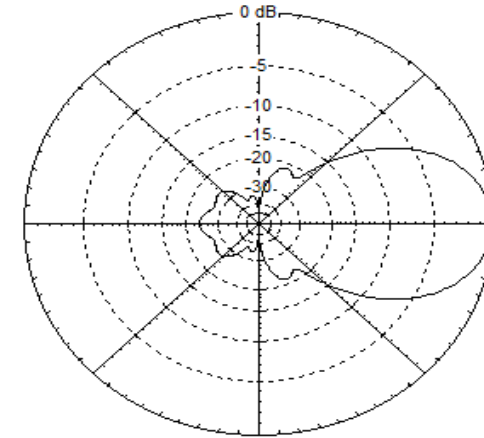
**SWR:**



Freq 144,275 MHz Source # 1  
 SWR 1,012 Z0 12,5 ohms  
 Z 12,35 at -0,11 deg.  
 = 12,35 - j 0,0234 ohms  
 Refl Coeff 0,006163 at -171,16 deg.  
 = -0,006089 - j 0,0009473  
 Ret Loss 44,2 dB

**Azimuth:**

Total Field



EZNEC+

144,3 MHz

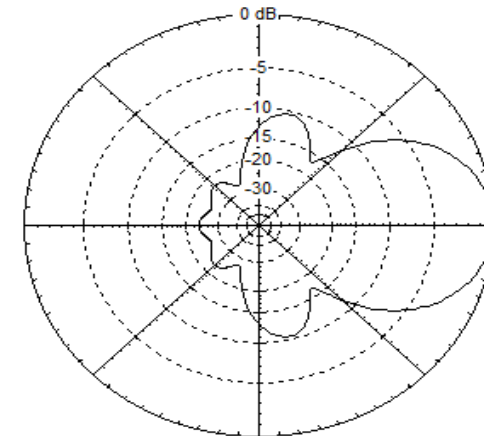
Azimuth Plot  
 Elevation Angle 0,0 deg.  
 Outer Ring 9,53 dBref

Cursor Az 0,0 deg.  
 Gain 9,53 dBref  
 0,0 dBmax

Slice Max Gain 9,53 dBref @ Az Angle = 0,0 deg.  
 Front/Back 23,4 dB  
 Beamwidth 44,4 deg.; -3dB @ 337,8, 22,2 deg.  
 Sidelobe Gain -11,81 dBref @ Az Angle = 65,0 deg.  
 Front/Sidelobe 21,34 dB

**Elevation:**

Total Field



EZNEC+

144,3 MHz

Elevation Plot  
 Azimuth Angle 0,0 deg.  
 Outer Ring 9,53 dBref

Cursor Elev 0,0 deg.  
 Gain 9,53 dBref  
 0,0 dBmax

Slice Max Gain 9,53 dBref @ Elev Angle = 0,0 deg.  
 Front/Back 23,4 dB  
 Beamwidth 52,2 deg.; -3dB @ 333,9, 26,1 deg.  
 Sidelobe Gain -0,99 dBref @ Elev Angle = 75,0 deg.  
 Front/Sidelobe 10,52 dB