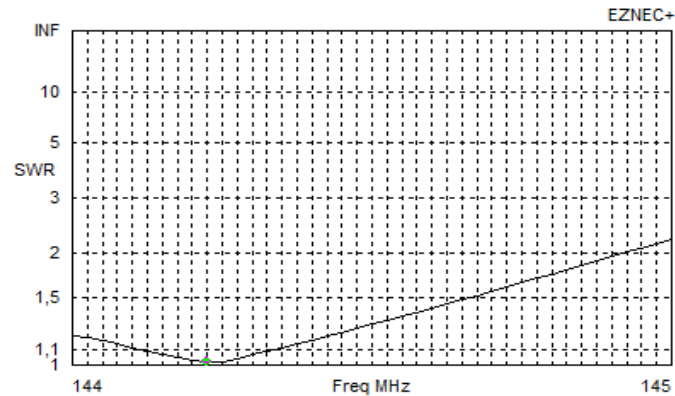


Bausatz 4 ele Yagi 144 MHz mit 1,01m Boom im 12,5 Ohm Design
Antenna kit 4 ele Yagi 144 MHz with 1,01m boom in 12,5 Ohm Design

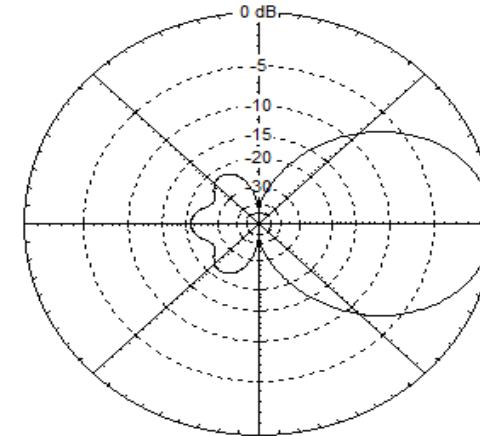
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1060	0
Strahler / Radiator	10	987	200
Direktor 1 / Director 1	8	955	505
Direktor 2 / Director 2	8	922	985

SWR:



Freq 144,225 MHz Source # 1
 SWR 1,015 Z0 12,5 ohms
 Z = 12,67 + j 0,06795 ohms
 Refl Coeff 0,007419 at 21,18 deg.
 = 0,006918 + j 0,00268
 Ret Loss 42,6 dB

Azimuth:
Total Field



EZNEC+

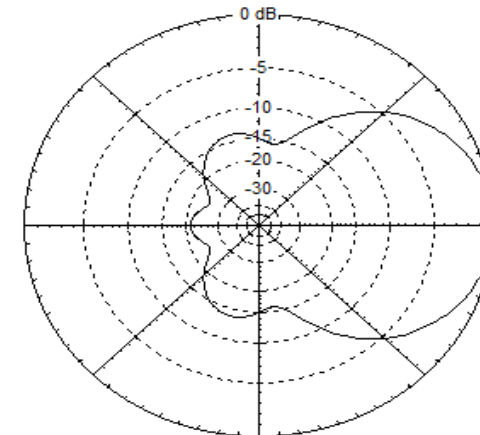
144,25 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 7,55 dBref

Cursor Az 0,0 deg.
 Gain 7,55 dBref
 0,0 dBmax

Slice Max Gain 7,55 dBref @ Az Angle = 0,0 deg.
 Front/Back 21,15 dB
 Beamwidth 54,6 deg.; -3dB @ 332,7, 27,3 deg.
 Sidelobe Gain -13,6 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 21,15 dB

Elevation:
Total Field



EZNEC+

144,25 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 7,55 dBref

Cursor Elev 0,0 deg.
 Gain 7,55 dBref
 0,0 dBmax

Slice Max Gain 7,55 dBref @ Elev Angle = 0,0 deg.
 Front/Back 21,15 dB
 Beamwidth 73,2 deg.; -3dB @ 323,4, 36,6 deg.
 Sidelobe Gain -6,29 dBref @ Elev Angle = 105,0 deg.
 Front/Sidelobe 13,84 dB