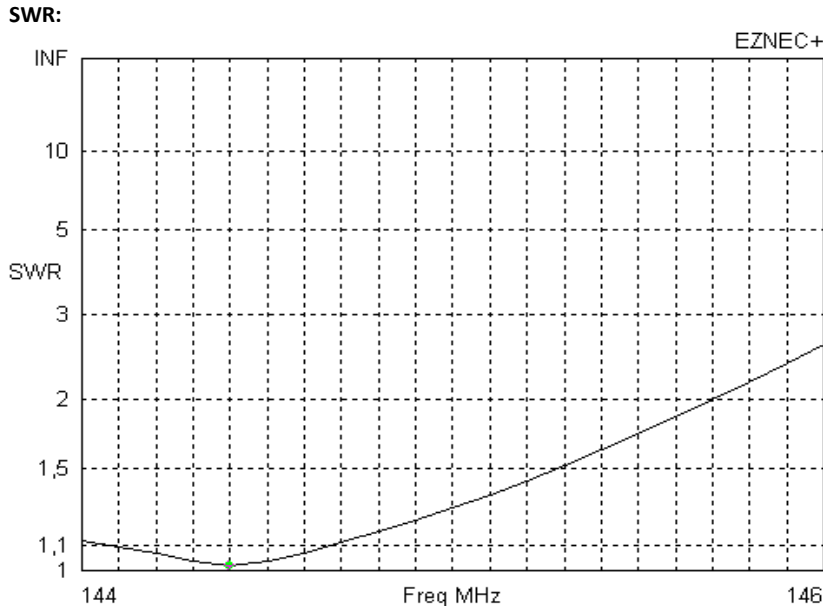


Bausatz 2x 5 ele Yagi 144 MHz mit 2,0m Boom im 25 Ohm Design
Antenna kit 2x 5 ele Yagi 144 MHz with 2,0m boom in 25 Ohm Design

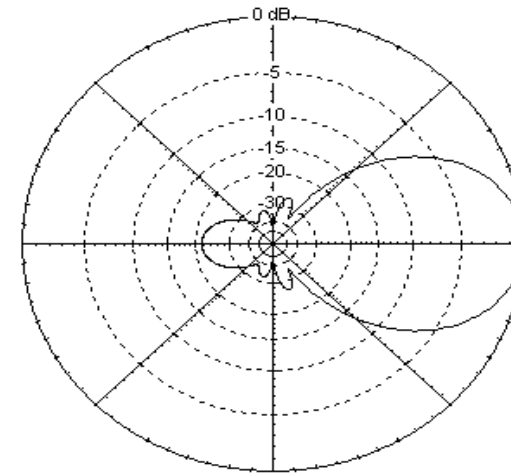
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	1036	0
Strahler / Radiator	8	978	345
Direktor 1 / Director 1	8	926	735
Direktor 2 / Director 2	8	922	1410
Direktor 3 / Director 3	8	891	1970

Zwei Antennen übereinander gestockt mit 2x 1,735m RG58 Phasenleitung.
 Two antennas stacked vertically with 2x 1,735m RG58 phasing line.
 Stockungsabstand / Stacking distance: 230 cm



Freq 144,4 MHz Source # 1
SWR 1,018 Z0 25 ohms
 Z = 25,32 at 0,75 deg.
 = 25,32 + j 0,3301 ohms
 Refl Coeff 0,009103 at 45,73 deg.
 = 0,006354 + j 0,006519
 Ret Loss 40,8 dB

Azimuth:
Total Field



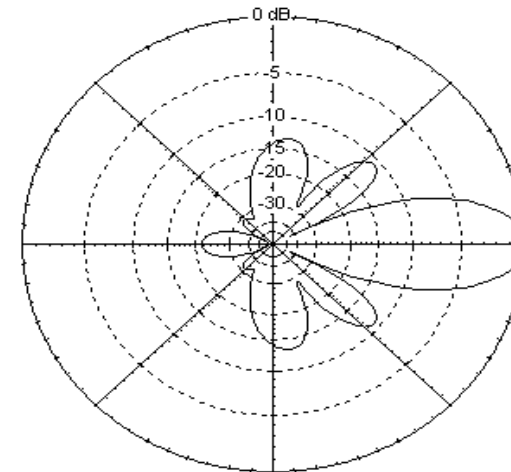
144,3 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 12,21 dBref

Cursor Az 0,0 deg.
 Gain 12,21 dBref
 0,0 dBmax

Slice Max Gain 12,21 dBref @ Az Angle = 0,0 deg.
 Front/Back 21,63 dB
 Beamwidth 47,8 deg.; -3dB @ 336,1, 23,9 deg.
 Sidelobe Gain -9,42 dBref @ Az Angle = 180,0 deg.
 Front/Sidelobe 21,63 dB

Elevation:
Total Field



144,3 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 12,21 dBref

Cursor Elev 0,0 deg.
 Gain 12,21 dBref
 0,0 dBmax

Slice Max Gain 12,21 dBref @ Elev Angle = 0,0 deg.
 Front/Back 21,63 dB
 Beamwidth 24,2 deg.; -3dB @ 347,9, 12,1 deg.
 Sidelobe Gain 1,37 dBref @ Elev Angle = 41,0 deg.
 Front/Sidelobe 10,84 dB