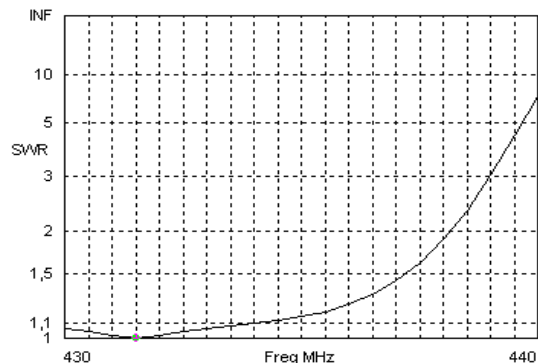


Bausatz 23 ele Yagi 432 MHz mit 5,69m Boom im 28 Ohm Design
Antenna kit 23 ele Yagi 432 MHz with 5,69m boom in 28 Ohm Design

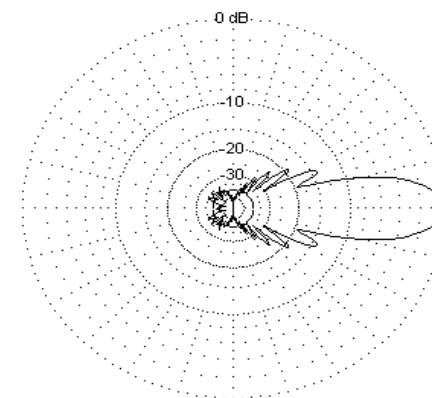
Antennenabmessungen / Dimensions table			
	Durchmesser Diameter (mm)	Länge / Length (mm)	Position (mm)
Reflektor / Reflector	8	339	0
Strahler / Radiator	12	321	115
Direktor 1 / Director 1	8	307	185
Direktor 2 / Director 2	8	294	355
Direktor 3 / Director 3	8	285	585
Direktor 4 / Director 4	8	279	855
Direktor 5 / Director 5	8	276	1135
Direktor 6 / Director 6	8	273	1430
Direktor 7 / Director 7	8	272	1725
Direktor 8 / Director 8	8	269	2025
Direktor 9 / Director 9	8	268	2325
Direktor 10 / Director 10	8	267	2625
Direktor 11 / Director 11	8	266	2930
Direktor 12 / Director 12	8	264	3235
Direktor 13 / Director 13	8	264	3540
Direktor 14 / Director 14	8	262	3845
Direktor 15 / Director 15	8	262	4150
Direktor 16 / Director 16	8	262	4445
Direktor 17 / Director 17	8	263	4730
Direktor 18 / Director 18	8	263	4995
Direktor 19 / Director 19	8	262	5220
Direktor 20 / Director 20	8	265	5470
Direktor 21 / Director 21	8	262	5670

SWR:



Freq 431,5 MHz Source # 1
 SWR 1,001 Z0 28 ohms
 Z 28,03 + j 0,01663 ohms
 Refl Coeff 0,0005604 at 31,97 deg.

Azimuth:



EZNEC-M

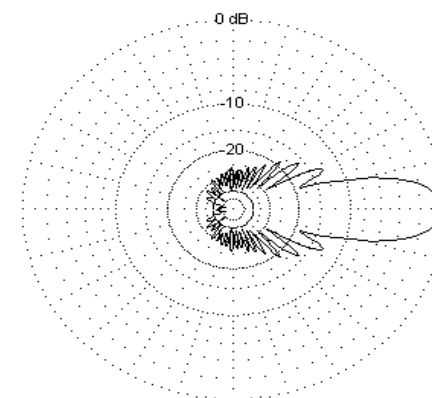
432 MHz

Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 16,97dBref

Cursor Az 0,0 deg.
 Gain 16,97 dBref
 0,0 dBmax

Slice Max Gain 16,97 dBref @ Az Angle = 0,0 deg.
 Front/Back 44,19 dB
 Beamwidth 20,2 deg.; -3dB @ 349,9, 10,1 deg.
 Sidelobe Gain 2,99 dBref @ Az Angle = 26,0 deg.
 Front/Sidelobe 13,98 dB

Elevation:



EZNEC-M

432 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 16,97dBref

Cursor Elev 0,0 deg.
 Gain 16,97 dBref
 0,0 dBmax

Slice Max Gain 16,97 dBref @ Elev Angle = 0,0 deg.
 Front/Back 44,19 dB
 Beamwidth 20,8 deg.; -3dB @ 349,6, 10,4 deg.
 Sidelobe Gain 4,19 dBref @ Elev Angle = 26,0 deg.
 Front/Sidelobe 12,78 dB