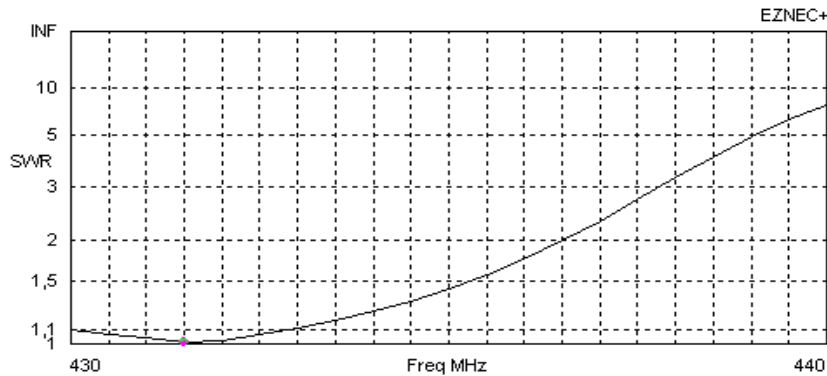


Bausatz 12 ele Yagi 432 MHz mit 2,50m Boom im 50 Ohm Design
Antenna kit 12 ele Yagi 432 MHz with 2,50m boom in 50 Ohm Design

| Antennenabmessungen / Dimensions table | | | |
|--|------------------------------|---------------------|---------------|
| | Durchmesser Diameter (mm) | Länge / Length (mm) | Position (mm) |
| Reflektor / Reflector | 3,2 | 342 | 0 |
| Strahler / Radiator | 4 | 334 | 125 |
| Direktor 1 / Director 1 | 3,2 | 312 | 170 |
| Direktor 2 / Director 2 | 3,2 | 303 | 345 |
| Direktor 3 / Director 3 | 3,2 | 299 | 580 |
| Direktor 4 / Director 4 | 3,2 | 294 | 850 |
| Direktor 5 / Director 5 | 3,2 | 292 | 1135 |
| Direktor 6 / Director 6 | 3,2 | 290 | 1420 |
| Direktor 7 / Director 7 | 3,2 | 290 | 1705 |
| Direktor 8 / Director 8 | 3,2 | 288 | 2000 |
| Direktor 9 / Director 9 | 3,2 | 294 | 2260 |
| Direktor 10 / Director 10 | 3,2 | 279 | 2480 |

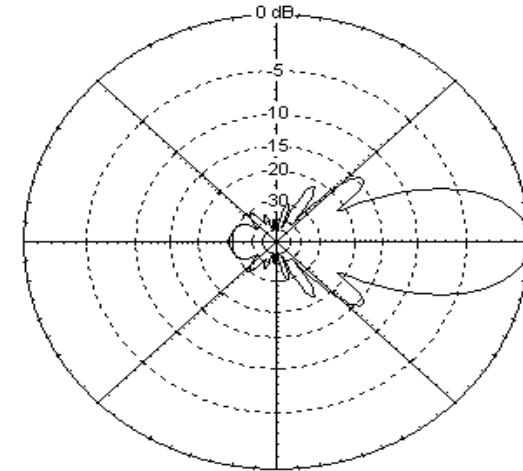
SWR:



Freq 431,5 MHz Source # 1
SWR 1,013 Z0 50 ohms
 Z 49,51 at -0,49 deg.
 = 49,51 - j 0,4238 ohms
 Refl Coeff 0,006488 at -138,72 deg.
 = -0,004876 - j 0,00428
 Ret Loss 43,8 dB

Azimuth:

Total Field



EZNEC+

432,2 MHz

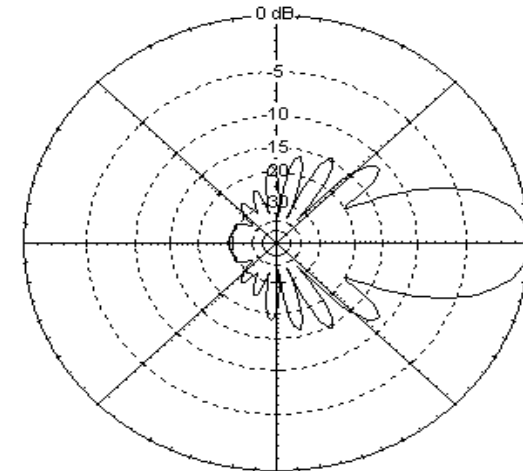
Azimuth Plot
 Elevation Angle 0,0 deg.
 Outer Ring 13,61 dBref

Cursor Az 0,0 deg.
 Gain 13,61 dBref
 0,0 dBmax

Slice Max Gain 13,61 dBref @ Az Angle = 0,0 deg.
 Front/Back 28,53 dB
 Beamwidth 28,6 deg.; -3dB @ 345,7, 14,3 deg.
 Sidelobe Gain -0,62 dBref @ Az Angle = 39,0 deg.
 Front/Sidelobe 14,23 dB

Elevation:

Total Field



EZNEC+

432,2 MHz

Elevation Plot
 Azimuth Angle 0,0 deg.
 Outer Ring 13,61 dBref

Cursor Elev 0,0 deg.
 Gain 13,61 dBref
 0,0 dBmax

Slice Max Gain 13,61 dBref @ Elev Angle = 0,0 deg.
 Front/Back 28,53 dB
 Beamwidth 30,2 deg.; -3dB @ 344,9, 15,1 deg.
 Sidelobe Gain 2,34 dBref @ Elev Angle = 40,0 deg.
 Front/Sidelobe 11,27 dB