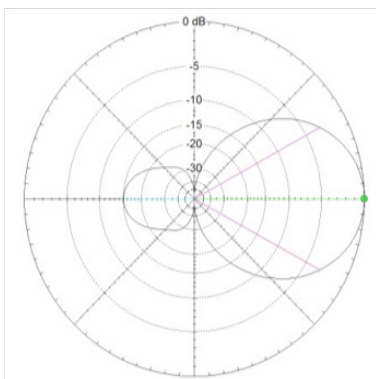


# LAT4EYV

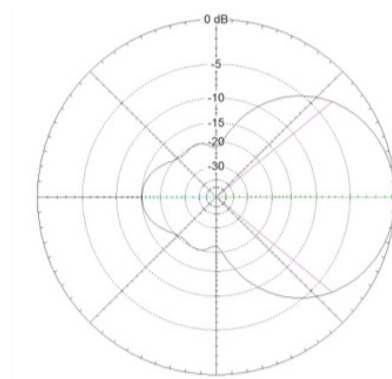
VHF band tuned 4 elements  
yagi

Vertically or horizontally polarized tuned dipole. Entirely build out of aluminium or stainless steel. Rugged and lightweight design, high performance due tuning on frequency. The ideal antenna for maximum frequency dependant operation. Comes with heavy duty hot dip galvanized steel mounting bracket. Antenna is available with welded or demountable elements .

## Electrical specifications:



Vertical radiation pattern  
vertical polarisation



Horizontal radiation pattern  
vertical polarisation

Specifications subject to change without notice.



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## Specifications

Frequency range	tuned between 30 - 300 MHz
Bandwidth	3% $\Delta F_c$
Gain	7,8 dB (ref. dipole)
HPBW (-3dB) H	79°
HPBW (-3dB) V	57°
VSWR	< 1,03:1 (35dB return loss)
Input connector	N female , 7/16 female or EIA 7/8
Impedance	50 $\Omega$
Max power (single carrier)	800W N , 2,5KW 7/16 , 5KW 7/8

## Mechanical specifications

Materials	Aluminium or stainless steel
Dimensions	frequency dependant
Mounting	40 - 90 mm up to 120mm on request
Grounding	DC grounded elements
Icing protection	optional fiber radome
Weight (including mount)	frequency dependant
Stacking distance	frequency dependant

## Models and accessories

### Models:

- **Model LAT4EYVL** low power version max. 800W single carrier , N type connector
- **Model LAT4EYVM** medium power version max. 2500W single carrier , 7/16 type connector
- **Model LAT4EYVLS** stainless steel version
- **Model LAT4EYVMS** stainless steel version

### Accessories:

- **LATRND 120** hot dip galvanized bracket up to 120mm OD mount

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## Technical data

Frequency <sup>(1)</sup>	87,5 ... 108 MHz	Front/back	11 dB
Gain	5 dB ( ref dipole )	Connection	N - type (7/16 optional)
Aperture angle 3dB	135° h , 68° E	VSWR	< 1,1 (Fc)
Imperdance	50 Ω	Bandwith	2 % (Fc)
Max Power	600 watt	Mounting	dia. 35 to 90 mm
Weight	2,7 Kg	Windload (150km/h)	62 N

Frequency on request .

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