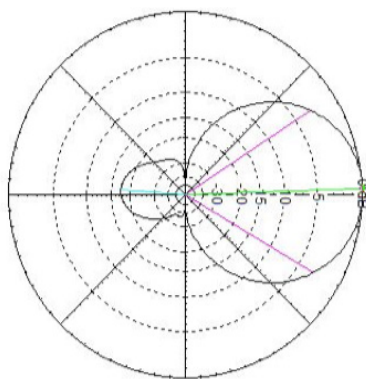


# LAT3EY108

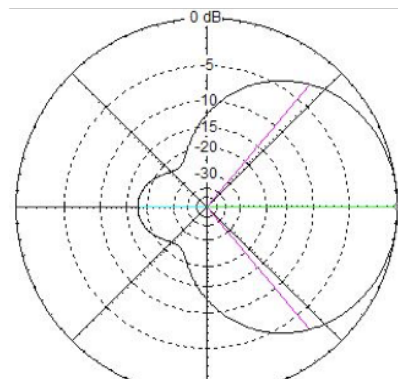
FM band tuned directional 3 elements yagi

Vertically or horizontally polarized directional 3 elements antenna . 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 .

## Electrical specifications:



Vertical radiation pattern  
vertical polarisation



Horizontal radiation pattern  
vertical polarisation

Specifications subject to change without notice.

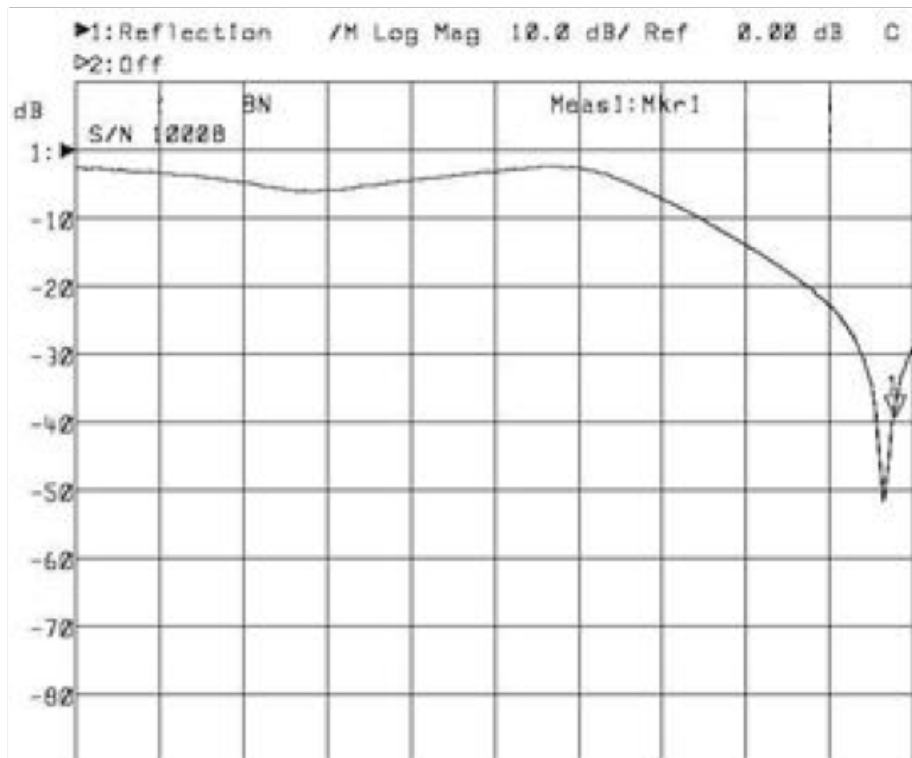


Menenstraat 11D  
8930 Lauwe  
Belgium

Tel: +32 (0) 56 29 52 07  
Email: [info@lambdaanttech.be](mailto:info@lambdaanttech.be)  
Web: [www.lambdaanttech.be](http://www.lambdaanttech.be)

## Specifications

|                            |                                   |
|----------------------------|-----------------------------------|
| Frequency range            | tuned between 87,5 - 108 MHz      |
| Bandwidth                  | 3% $\Delta F_c$                   |
| Gain                       | 6,5 dB (ref. dipole)              |
| HPBW (-3dB) H              | 100°                              |
| HPBW (-3dB) V              | 63°                               |
| 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     |



Typical return loss response on center frequency

Specifications subject to change without notice.



Menenstraat 11D  
8930 Lauwe  
Belgium

Tel: +32 (0) 56 29 52 07  
Email: [info@lambdaanttech.be](mailto:info@lambdaanttech.be)  
Web: [www.lambdaanttech.be](http://www.lambdaanttech.be)

## Mechanical specifications

|                          |   |
|--------------------------|---|
| Materials                | Aluminium or stainless steel                  |
| Dimensions               | 1550 x 1500 mm @ midband                      |
| Mounting                 | 40 - 90 mm up to 120mm on request             |
| Grounding                | DC grounded elements                          |
| Icing protection         | optional fiber radome                         |
| Weight (including mount) | 3,6 Kg alu version , 6,4 Kg stainless version |
| Stacking distance        | 2700 mm depending on system                   |

## Models and accessories

### Models:

- **Model LAT3EY108L** low power version max. 800W single carrier , N type connector
- **Model LAT3EY108M** medium power version max. 2500W single carrier , 7/16 type connector
- **Model LAT3EY108H** high power version max. 5000W single carrier , EIA 7/8 flange connector
- **Model LAT3EY108LS** stainless steel version
- **Model LAT3EY108MS** stainless steel version
- **Model LAT3EY108HS** stainless steel version

### Accessories:

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

## 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 .

Specifications subject to change without notice.



Menenstraat 11D  
8930 Lauwe  
Belgium

Tel: +32 (0) 56 29 52 07  
Email: [info@lambdaanttech.be](mailto:info@lambdaanttech.be)  
Web: [www.lambdaanttech.be](http://www.lambdaanttech.be)