

ALLNET Antenne 868MHz 14dbi Antenne (N-Female) YAGI ANT-868



EAN CODE



ALLNET Antennas 868MHz 14dbi Antennas (N-Female) YAGI ANT-868-14dbi- Yagi LoRA HELIUM IoT

Highlights:

- 860~896MHz Yagi Antenna 14 Elements
- Gain: 14dbi (see table for more details)
- Beam angle: 33°/30° (see table for more details)
- Impedance: 50 Ohm
- VSWR: <=1.4
- Connector: N-Type Female (suitable connection cables can be found in the accessories)
- Dimension: Length = 1297x202x55mm
- Windspeed: 200km/h
- Temperature: -45°C ~ +75°C
- Mounting: Mast mounting
- Package contents: Antenna and mounting accessories
- Ideal for LoRA / Helium Network / Helium Miner / IoT terminals / 868MHz systems etc.

Yagi antennas belong to the group of longitudinal radiators and use radiation-excited elements. Yagi antennas consist of a group of active and passive (parasitic) elements which produce a common strongly pronounced directional pattern through mutual co-coupling. They often consist of only one fed element with a number of parasitic radiation-fed elements.

Heavy Duty Construction. High gain for excellent point to point. Narrow beamwidth and High F/B ratio minimize other system interference

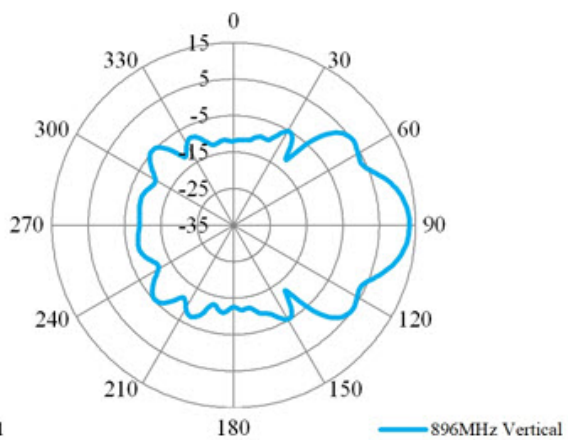
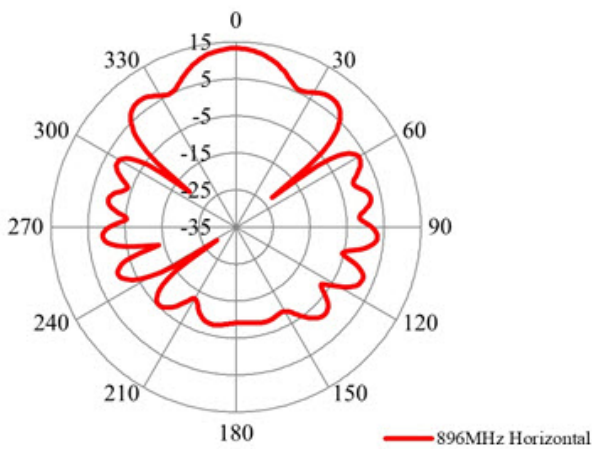
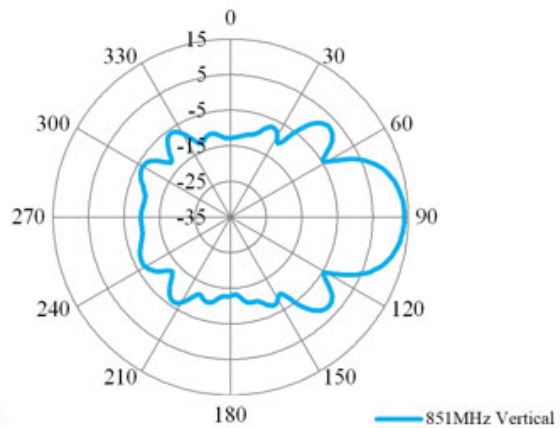
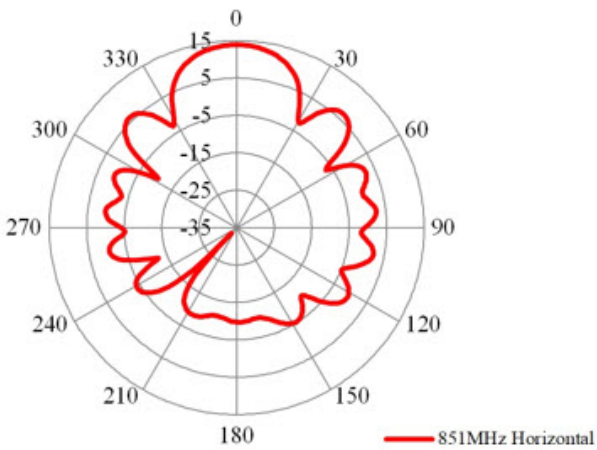
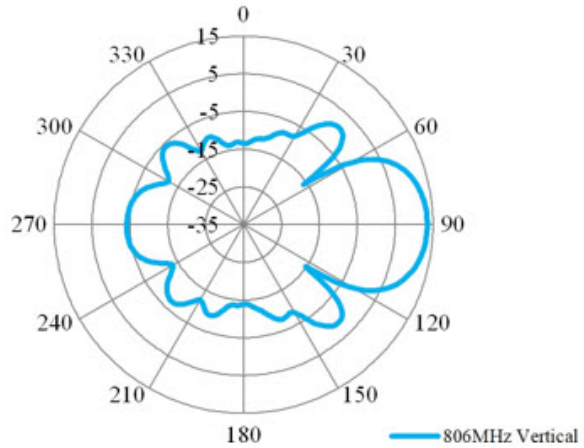
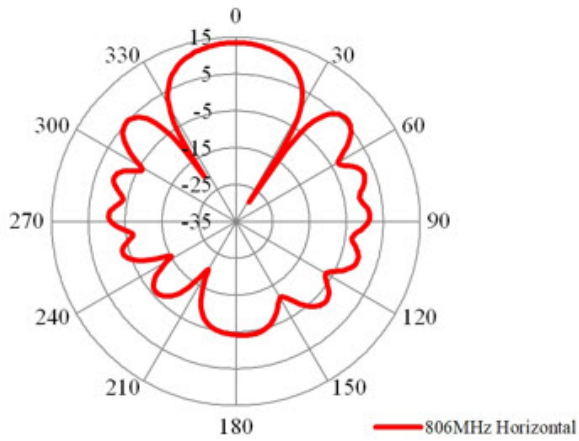


Technical Details:

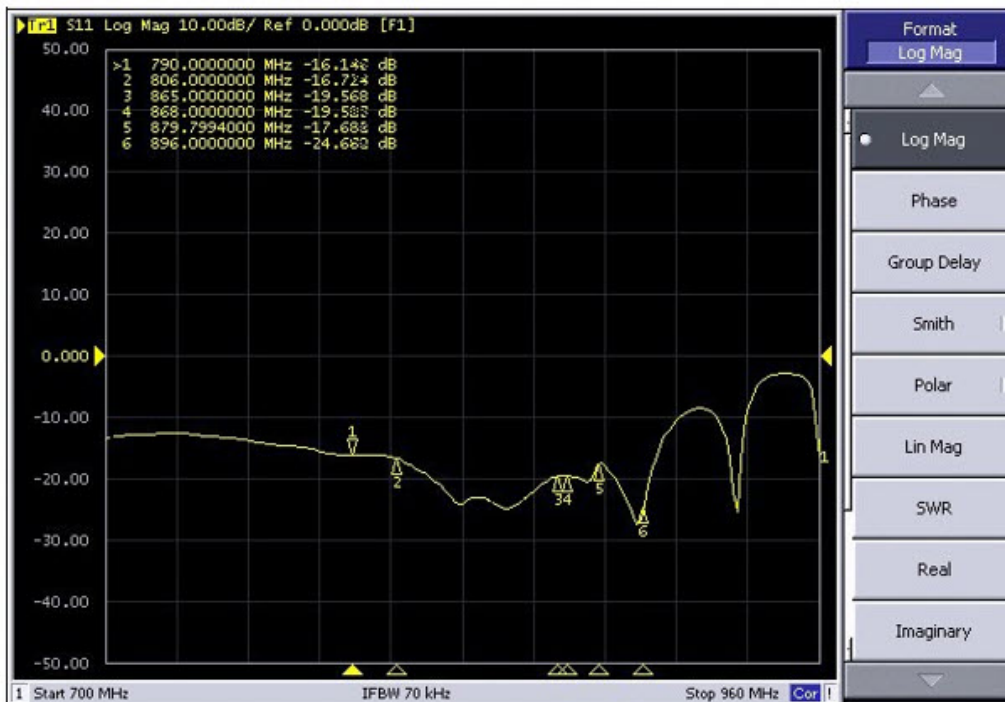
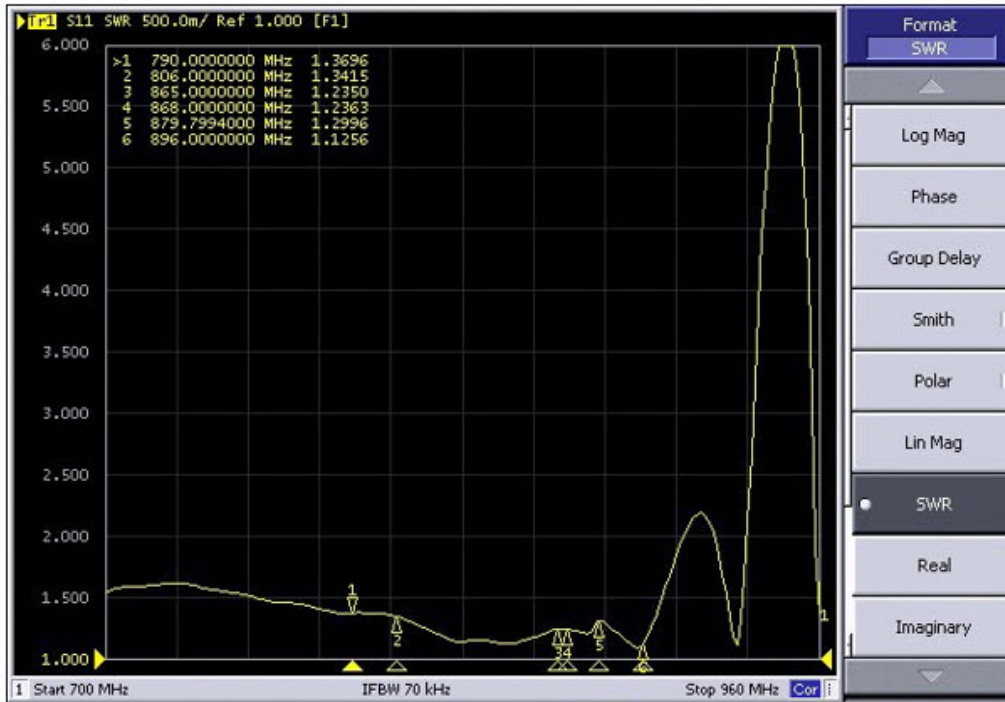
| Model | ANT-868-10dbi-Yagi | ANT-868-12.5dbi-Yagi | ANT-868-14dbi-Yagi |
|---------------------------------|---|----------------------|--------------------|
| Electrical Specification | WideBand: 806-896MHz | | |
| Polarization | Vertical Polarized / Horizontal Polarized | | |
| Max Gain | 10dbi | 12.5dbi | 14dbi |
| H Beamwidth (-3dB, V-Pol) | 73° ± 7° | 42° ± 5° | 33° ± 5° |
| E Beamwidth | 55° ± 5° | 39° ± 3° | 30° ± 5° |
| VSWR | <1.4 | | |
| Nominal Impedance | 50 ohm | | |
| F/B Ratio | >15dB | >17dB | >20dB |
| Max Power | 100watts | | |
| Mechanical Specification | | | |
| Connector | N-Female | | |
| Radome | Fiberglass, Dia 20mm | | |
| Color | White/Grey | | |
| Dimension | 582 * 202 * 55mm | 941 * 202 * 55mm | 1297 * 202 * 55mm |
| Weight incl Mount Kit | 0.7kg | 0.9kg | 1.2kg |
| Max windload | 200km/h, 125mph | | |
| Working Temperature Range | -45°C to +75°C | | |
| Storage Temperature | -50°C to +75°C | | |

Antenna Test Data:

2D Radio Pattern Model: ANT-868-14dbi-Yagi 14 Elements



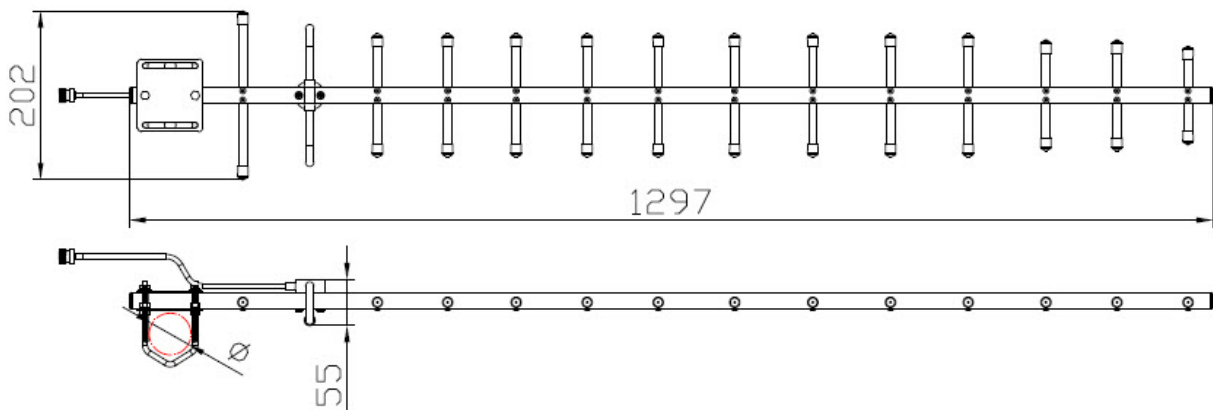
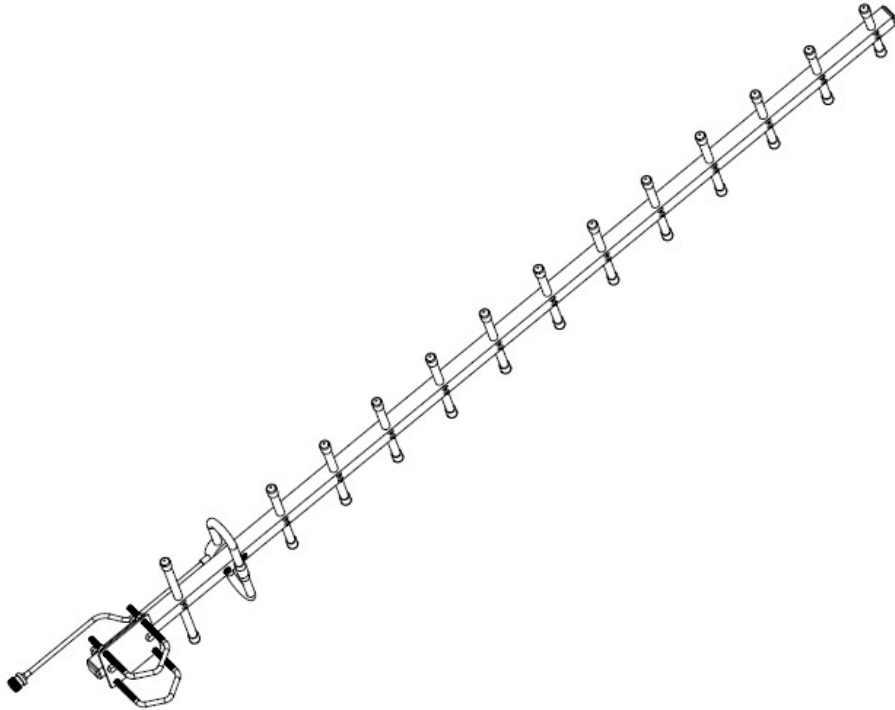
VSWR and Return Loss Model: ANT-868-12.5dbi-Yagi 10 Elements





No. d'article: 208821
Numéro de fabricant: ANT-868-14dbi-Yagi

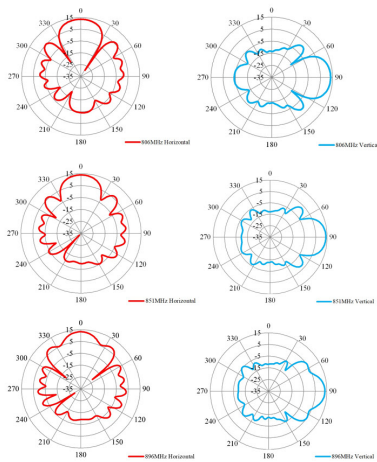
Mechanical Dimmension:



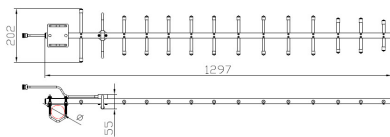
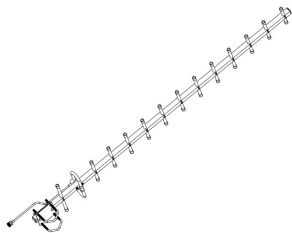
V-shape Bolts for Pole Dia
 $\varnothing 30\text{mm} \sim \varnothing 50\text{mm}$

Images supplémentaires

2D Radio Pattern Model: ANT-868-14dbi-Yagi 14 Elements



VSWR and Return Loss Model: ANT-868-14dbi-Yagi 14 Elements



V-shape Bolts For Pole Dia
 Ø30mm ~ Ø50mm

Accessoires

| No. d'article | Désignation |
|---------------|---|
| 177056 | ALLNET Antennen-Kabel LMR-195 R-SMA(m) <> N-Type(m) 1000 cm |



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| No. d'article | Désignation |
|---------------|---|
| 88874 | ALLNET Antennenkabel LMR-195 R-SMA - N-Type 1,5 Meter |
| 88875 | ALLNET Antennenkabel LMR-195 R-SMA - N-Type 3,0 Meter |
| 88876 | ALLNET Antennenkabel LMR-195 R-SMA - N-Type 5,0 Meter |
| 88877 | ALLNET Antennenkabel LMR-195 R-SMA - N-Type 7,0 Meter |
| 90403 | ALLNET Antennen-Kabel LMR-195 N-Type(m) <> N-Type(m) 150 cm |
| 90404 | ALLNET Antennen-Kabel LMR-195 N-Type(m) <> N-Type(m) 300 cm |
| 90405 | ALLNET Antennen-Kabel LMR-195 N-Type(m) <> N-Type(m) 500 cm |
| 93748 | ALLNET Antennen-Kabel N-Type Stecker/Stecker, RG-8, 1m, |
| 93749 | ALLNET Antennen-Kabel N-Type Stecker/Stecker, RG-8, 2m, |
| 93750 | ALLNET Antennen-Kabel N-Type Stecker/Stecker, RG-8, 3m, |
| 93751 | ALLNET Antennen-Kabel N-Type Stecker/Stecker, RG-8, 5m, |
| 93752 | ALLNET Antennen-Kabel N-Type Stecker/Stecker, RG-8, 7m, |
| 78202 | ALLNET Antenne Blitzschutz, 5,8GHz N-Type Bu/St. |