# Parabolic antenna JRMC-1200-4.7 MIMO

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Antenna JRMC-1200-4.7 is designed for microwave links at the frequency band 4.7 GHz. Precise performance with deep reflector dish complies with standard ETSI class 3.

## Electrical parameters:

| | |
|---|---|
| **Frequency range** | 4.4 – 5.0 GHz |
| **Gain** – Low frequency | 31.5 ± 1 dBi |
| **Gain** – High frequency | 32.6 ± 1 dBi |
| **Beamwidth**-3 dB | 4.2° |
| **Front to back ratio** | ≥ 57 dB |
| **Isolation between connectors** | > 35 dB |
| **Return loss** | ≥ 14 dB |
| **Cross-Polarization** | ≥ 35 dB |
| **Polarization** | Dual - vertical and horizontal<br>Fine setting ±5° |
| **Electrical Compliance** | **Class 3** ETSI EN 302-217-4-2 |

## Mechanical parameters:

| | |
|---|---|
| **Parabola** | Ø 1200 mm , Aluminium alloy |
| **Radome** | UV resistant composite material |
| **Type of connectors** | N-female |
| **Installation for mast** | Ø 80 - 120 mm<br>Ø 60 - 80 mm with wind bracing set |
| **Operating wind load** | 110 km/h (68 mph) without wind bracing set<br>140 km/h (87 mph) with wind bracing set |
| **Survival wind load** | 210 km/h (131 mph) |
| **Weight of antenna** | 30 kg (66 lbs.) |
| **Shipping dimensions – 1pc** | 1310 x 740 x 1440 mm/67 kg (147 lbs.) |
| **Shipping dimensions – 2pcs** | 1310 x 1100 x 1440 mm/104 kg (229 lbs.) |

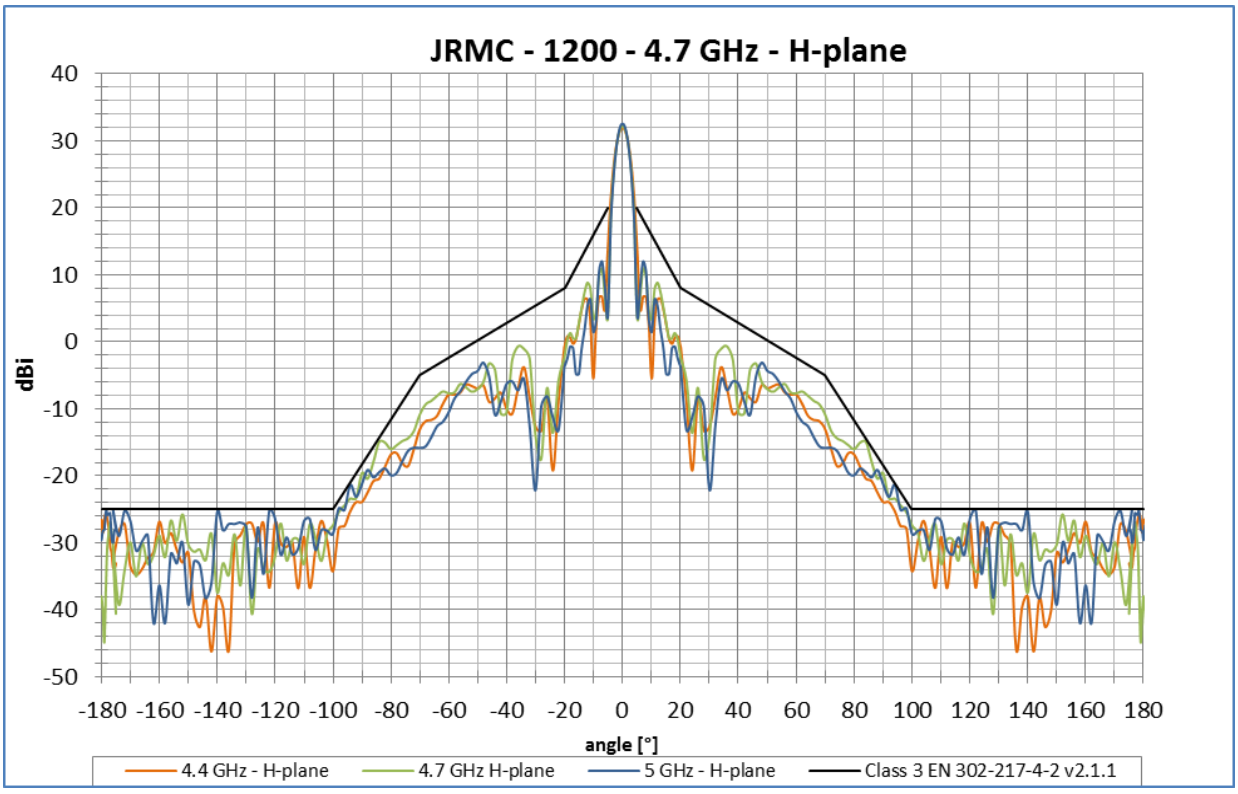
## Usage:

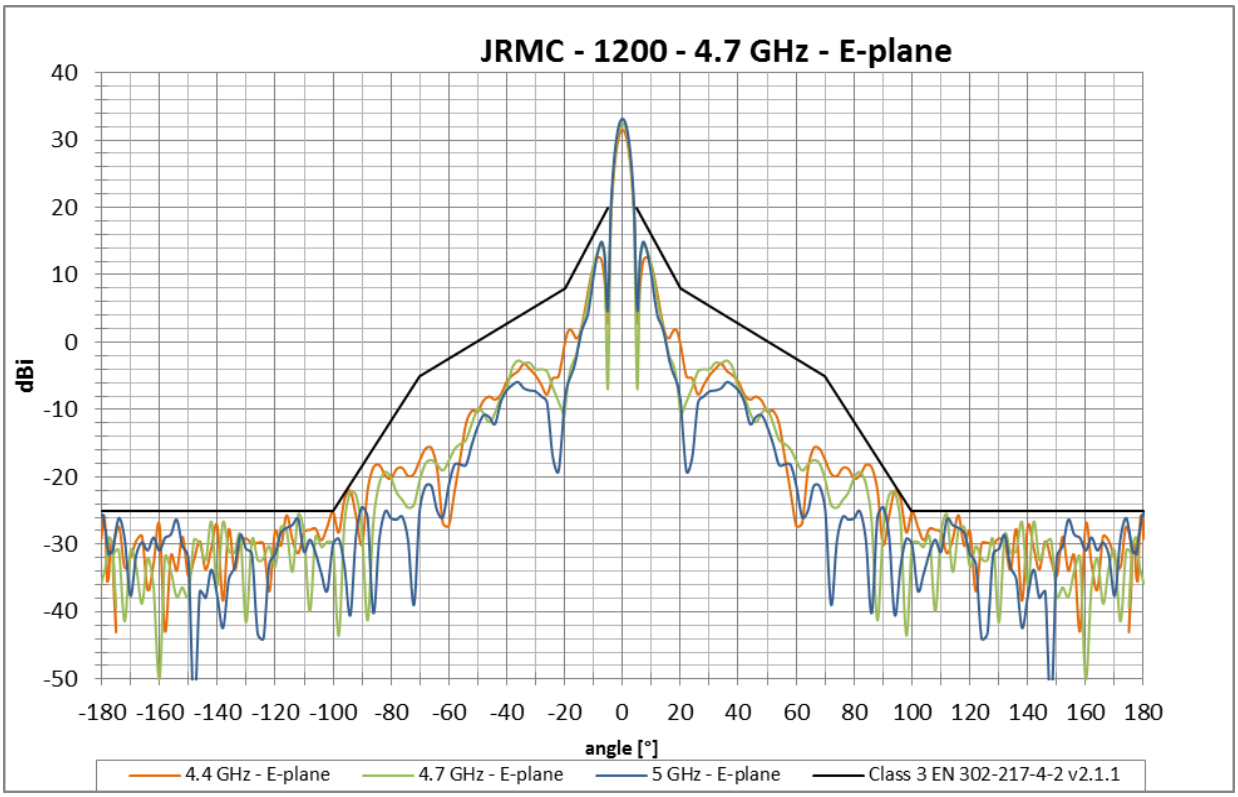
The antenna is supplied together with a massive holder that allows easy mounting on a mast. Holder can be installed separately on the mast. Subsequently, the antenna with microwave unit can be simply hung up into it.
Antenna holder allows fine setting elevation ± 15°and azimuth ± 7°. Ready for right and left side mounting.
In the areas with the expected occurrence of the strong winds the usage of the (adjustable) wind bracing set is recommended. For mounting on the **mast ø 60 – 80 mm the usage of the (adjustable) wind bracing set** is strongly recommended.
The usage of adjustable wind bracing set allows to set azimuth more comfortably.

The **wind bracing set** or the **adjustable wind bracing set** are optional accessories.

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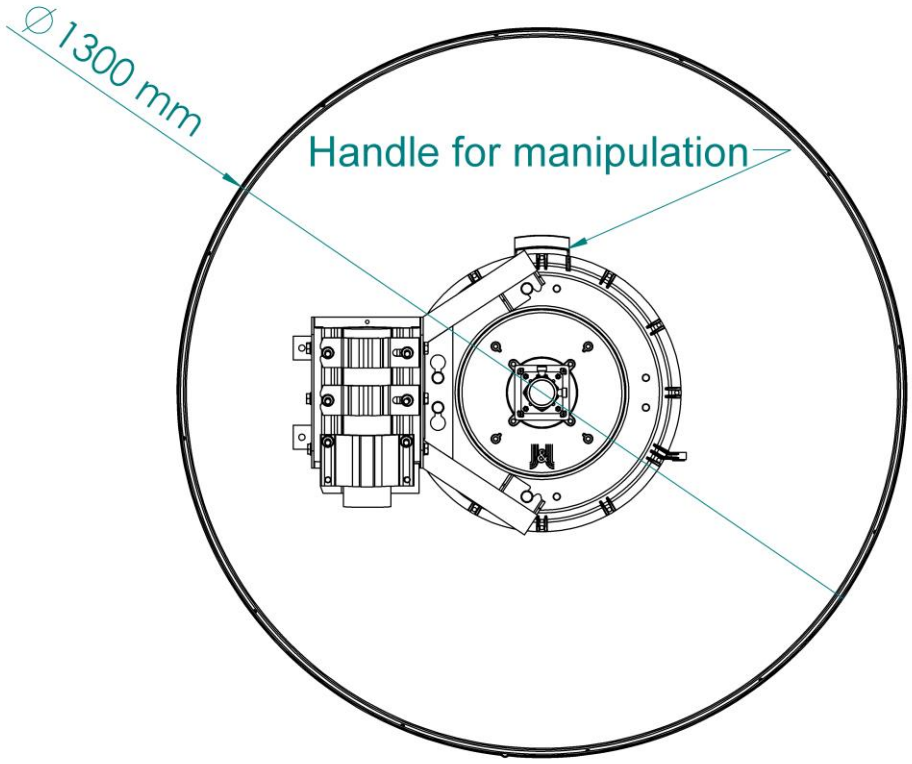
## Measurement:

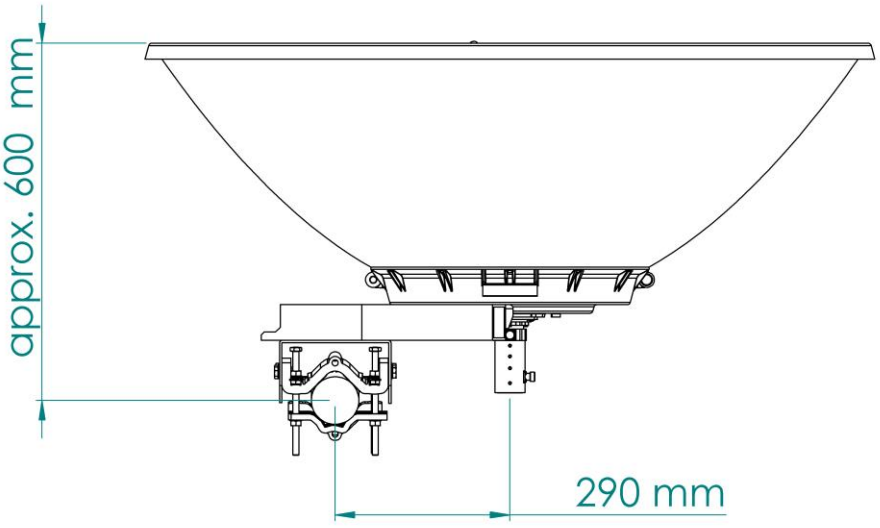


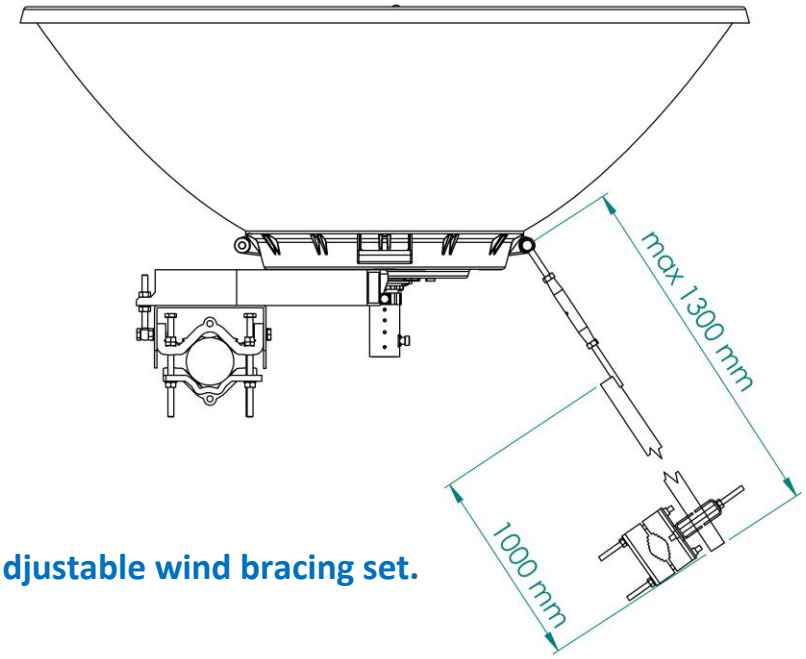
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## Outline:

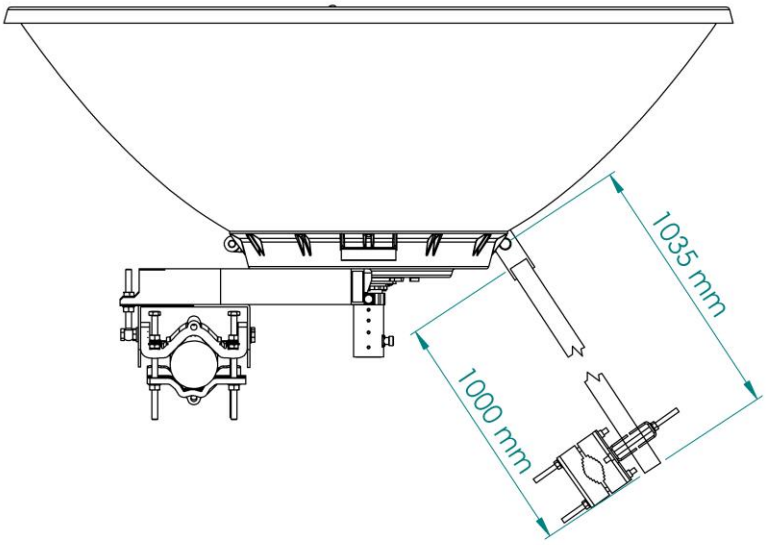


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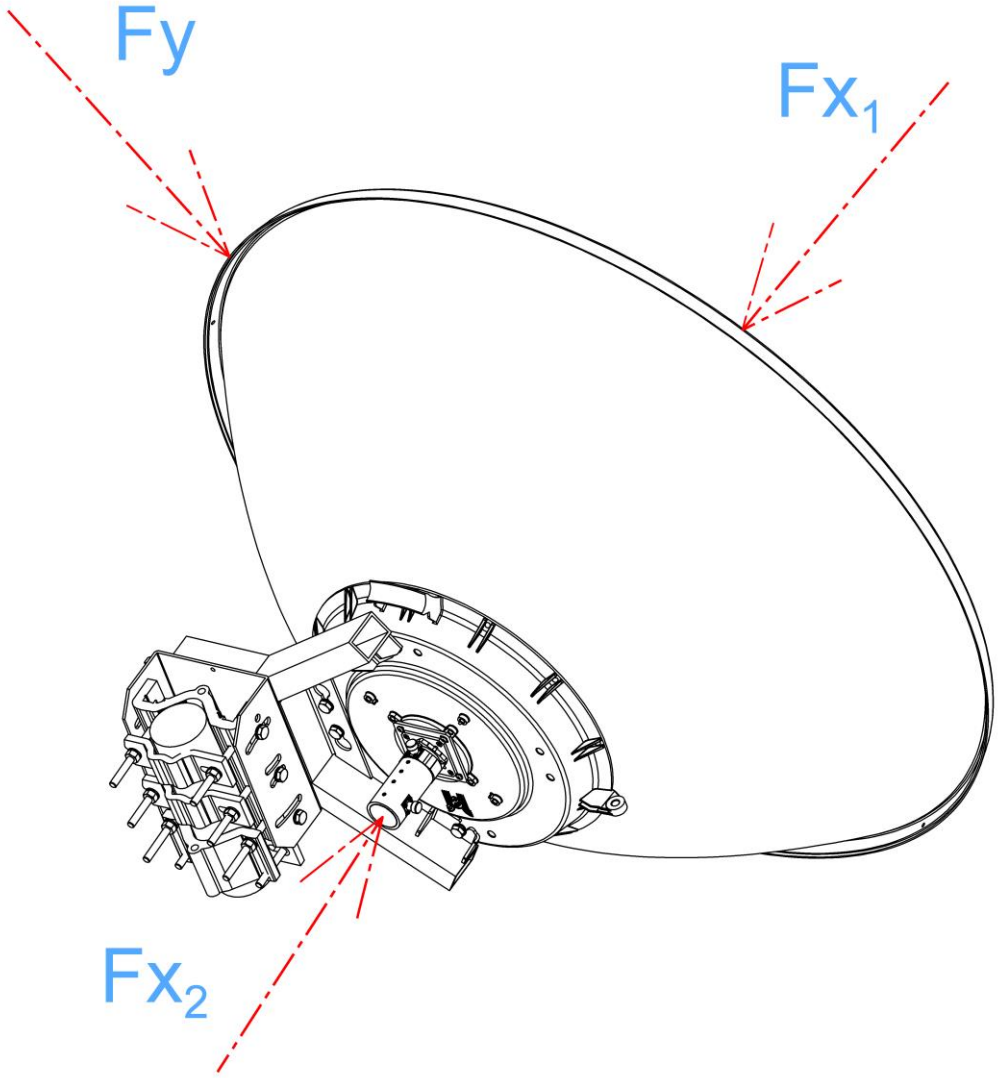



**Antenna with adjustable wind bracing set.**




**Antenna with wind bracing set.**

## Wind loading:




### Wind Loading at 200 km/h [125 mph]

| Direction | Force [N] | Force [lbf] |
|---|---|---|
| $Fx_1$ | 2696 | 606 |
| $Fx_2$ | 2186 | 491.4 |
| Fy | 247 | 55.5 |