



Parabolic antenna JRMB - 1200 - 17

Antenna JRMB - 1200 - 17 is designed for microwave links at the frequency band 17 GHz and 18 GHz. Precise performance with deep reflector dish complies with standard ETSI EN 302-217-4-2 class 2. High cross-port isolation allows to use system with polarization separation.

Electrical parameters:

Frequency range	17.1 – 19.7 GHz
Gain	44.6 ± 0.6 dBi / 17.1 - 17.3 GHz 44.8 ± 1.0 dBi / 17.7 - 19.7 GHz
Front to back ratio	≥ 60 dB
Beamwidth_{-3 dB}	0.9°
Cross-port isolation	≥ 45 dB (at 17 GHz frq. band)
Polarization	Vertical / Horizontal
Return loss (VSWR)	≥ 15.5 dB (≤ 1.4)
ETSI standard	EN 302-217-4-2 v1.5.1 Class 2

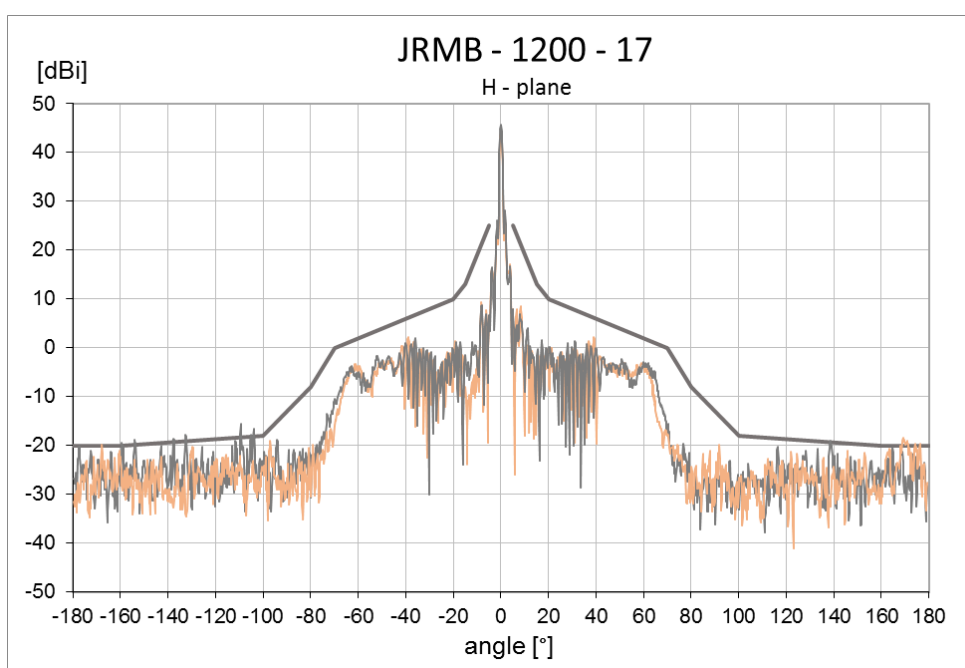
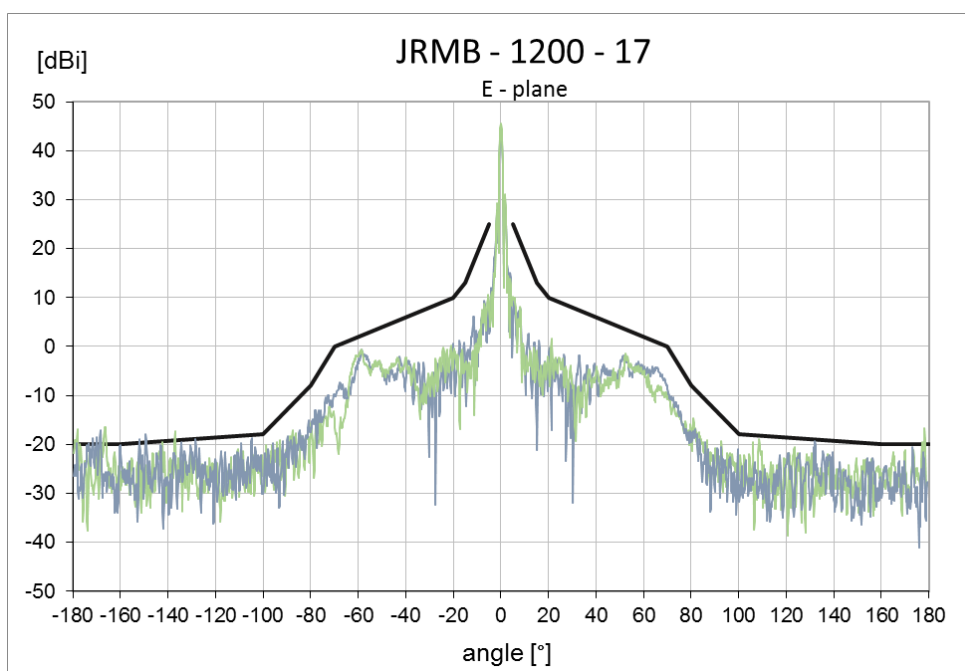
Mechanical parameters:

Parabola	Ø 1200 mm, aluminium alloy
Depth of parabola	440 mm
Cover	UV steady composite material
Input / output	Circle waveguide Ø 11 mm
Installation for mast	Ø 80 - 120 mm Ø 60 - 80 mm – with adjustable wind bracing set
Operating wind load	
- without wind bracing	110 km/h (68 mph)
- with wind bracing	140 km/h (87 mph)
Survival wind load	210 km/h (130 mph)
Weight of antenna	16.3 kg (35.94 lbs.)
of antenna bracket	14.9 kg (32.85 lbs.)
Shipping dimensions – 1 pcs	1300 mm x 800 mm x 1430 mm
Shipping dimensions – 2 pcs	1300 mm x 1100 mm x 1430 mm

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The antenna is supplied together with a massive bracket that allows easy mounting on a mast. Antenna bracket can be installed separately on the mast. Subsequently, the antenna with the microwave unit can be simply hang up on it. The bracket allows fine setting elevation $\pm 15^\circ$ and azimuth $\pm 7^\circ$. It is possible to be mounted to the right and left side. We recommend to use wind bracing set (optional accessories) for mounting in the adverse weather conditions. **It is necessary to use the adjustable wind bracing kit (optional accessories, Fig. 4) for mounting on the mast from 60 to 80 mm diameter.**

Measurement of radiation pattern:



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Outline:

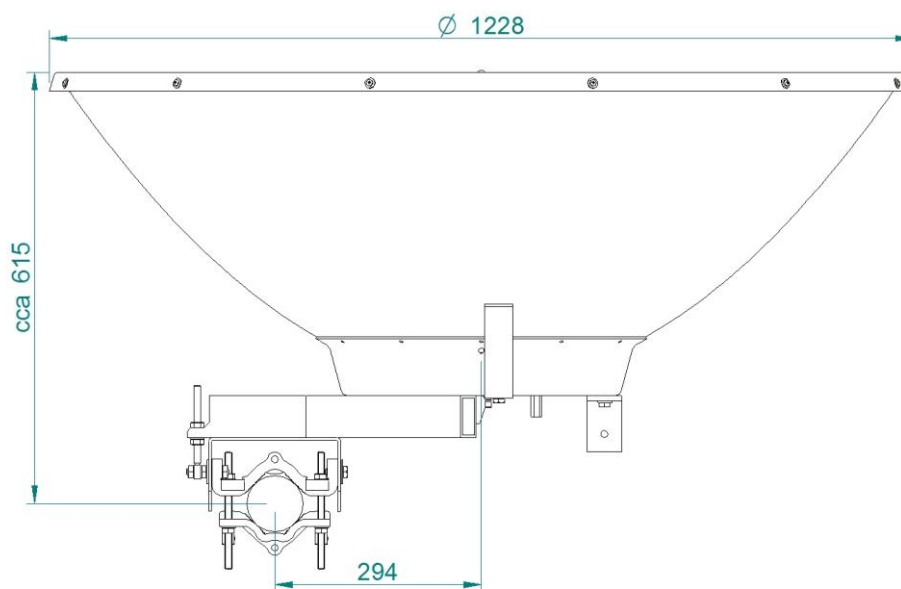


Fig. 1 Antenna dimensions

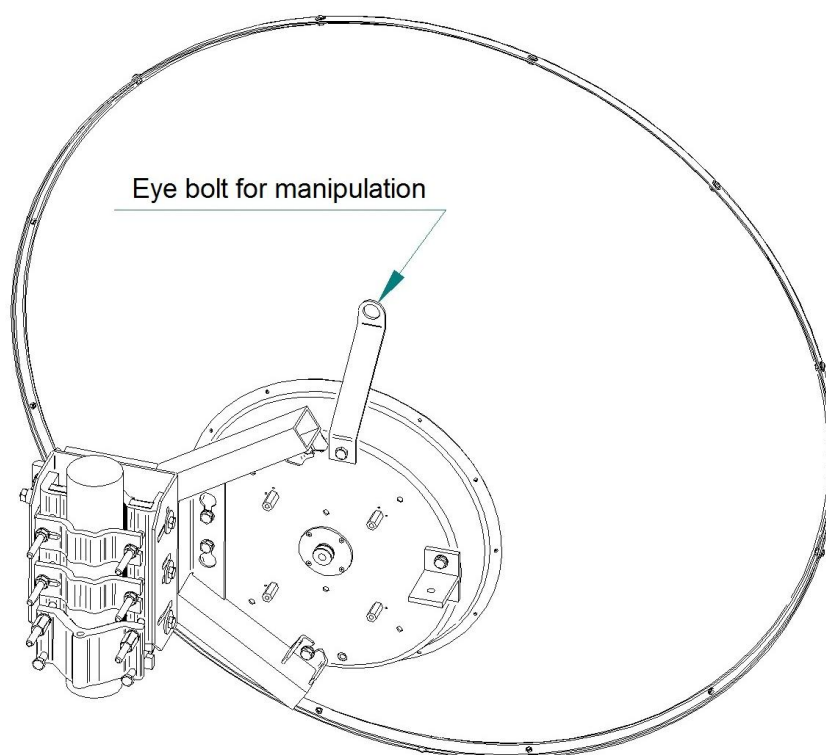


Fig. 2 Antenna with massive bracket (left side)

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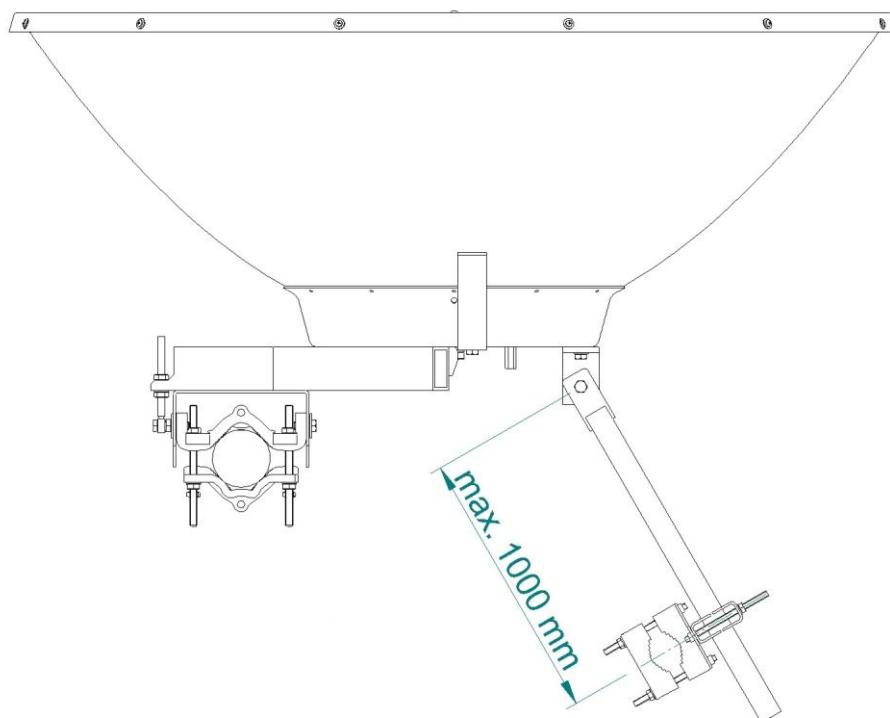


Fig. 3 Antenna with wind bracing kit (top view)

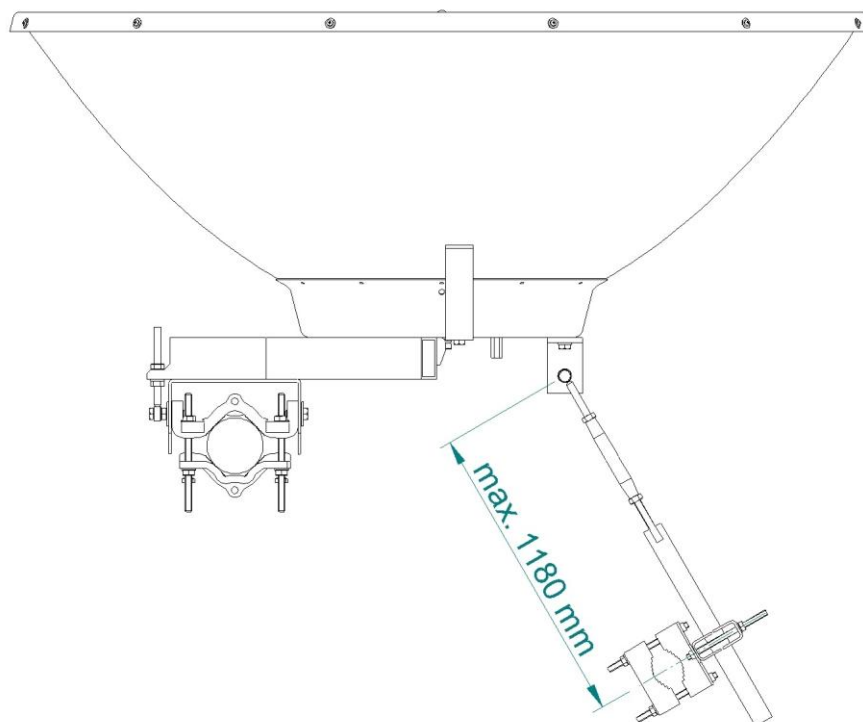


Fig. 4 Antenna with adjustable wind bracing kit (top view)