



## Parabolic antenna JRMB - 400 - 17Ra

Antenna JRMB - 400 - 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:

<b>Frequency range</b>	17.1 - 19.7 GHz
<b>Gain</b>	34.8 ± 0.5 dBi / 17.1 - 17.3 GHz 35.0 ± 1.0 dBi / 17.7 - 19.7 GHz
<b>Side lobes suppression</b>	≥ 15 dB
<b>Front to back ratio</b>	≥ 54 dB
<b>Beamwidth</b> <small>-3 dB</small>	2.0°
<b>Cross-port isolation</b>	≥ 45 dB (at 17 GHz frq. band)
<b>Return loss (VSWR)</b>	≥ 17 dB ( ≤ 1.3)
<b>Polarization</b>	Vertical / Horizontal
<b>ETSI standard</b>	EN 302-217-4-2 v1.5.1 Class 2

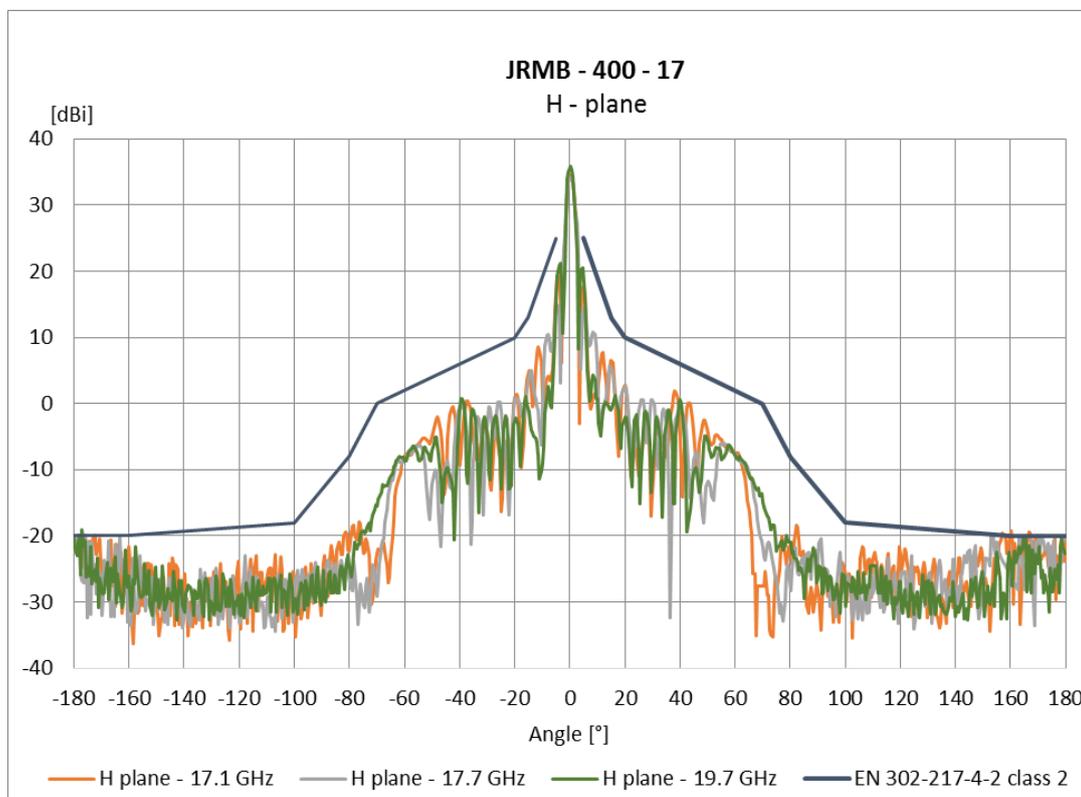
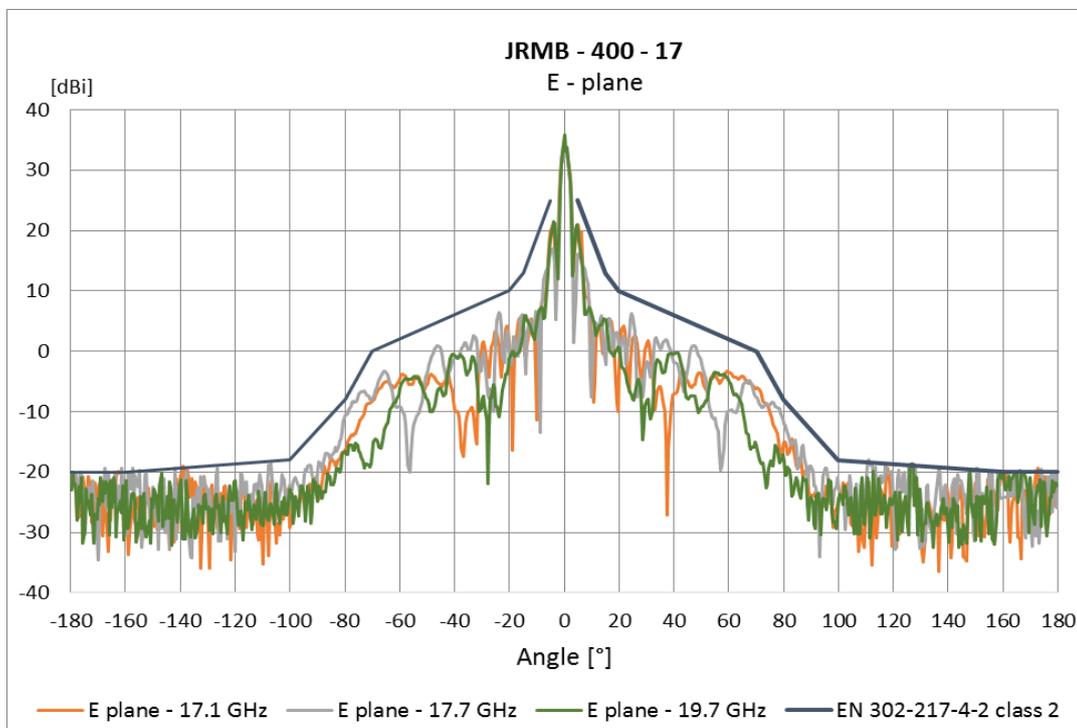
### Mechanical parameters:

<b>Parabola</b>	Ø 400 mm, Aluminium alloy
<b>Cover</b>	UV steady plastic ABS
<b>Input / output</b>	Circle waveguide Ø 11 mm
<b>Installation for mast</b>	Ø 40 - 120 mm
<b>Operating wind load</b>	180 km/h (112 mph)
<b>Survival wind load</b>	240 km/h (149 mph)
<b>Weight of antenna</b>	4.8 kg (10.6 lbs.)
<b>of bracket</b>	3.5 kg (7.7 lbs.)
<b>Shipping dimensions</b>	485 mm x 485 mm x 350 mm
<b>Waveguide + fixing of the microwave unit</b>	Racom compatible

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. Whole antenna system has extreme wind stability. The bracket allows fine setting elevation (of gradient) and azimuth ± 20°. It is possible to be mounted to the right and left side.

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## Measurement radiation pattern:



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### Outline:

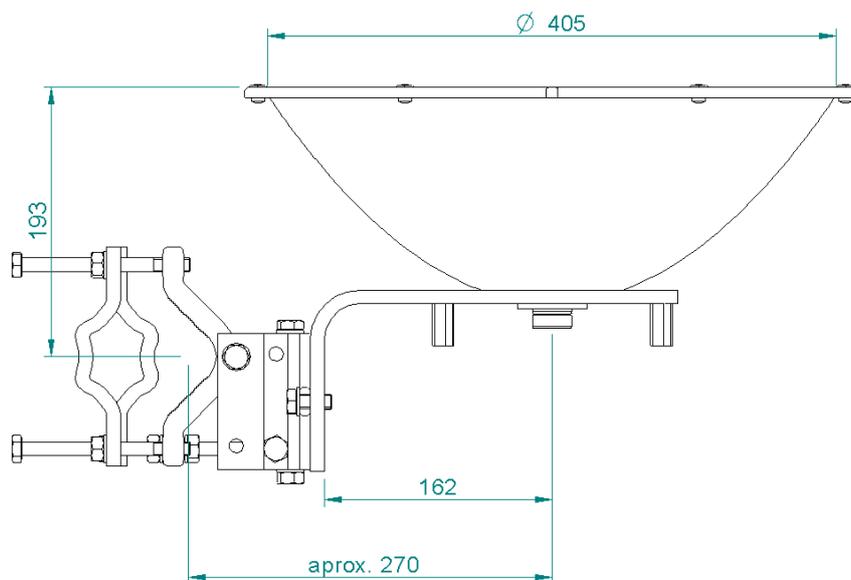


Fig. 1 Antenna dimensions

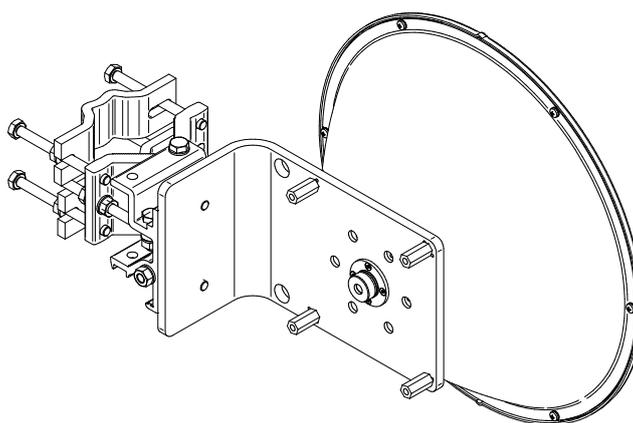


Fig. 2 Antenna with massive bracket (back side)