Parabolic antenna JRMC - 400 - 23

www.jirous.com

Antenna JRMC–400–23 is designed for microwave links at the frequency band 23 GHz. Precise performance with deep reflector dish complies with standard ETSI Class 3 and FCC Cat B1.

Electrical parameters:

Frequency range	21.2 – 23.6 GHz
Gain - Low frequency	36.5 ± 1 dBi
Gain - High frequency	37.9 ± 1 dBi
Front to back ratio	≥ 62 dB
Beamwidth -3 dB	2.4° ± 0.2°
Return loss	≥ 18 dB
Polarization	Dual Linear, vertical/horizontal
ETSI standard	**Class 3** ETSI EN 302-217-4-2 v1.5.1
FCC standard	**Cat B1** FCC 47 CFR 101.115

Mechanical parameters:

Parabola	Ø 400 mm, Aluminium alloy
Radome	UV steady plastic ABS
Input / output	Circle waveguide Ø 9 mm
Installation for mast	Ø 40 - 120 mm
Operating wind load	180 km/h (112 mph)
Survival wind load	240 km/h (149 mph)
Weight of antenna	2.6 kg (5.7 lbs.)
of holder	2.4 kg (5.3 lbs.)
Shipping dimensions	480 x 475 x 250 mm / 6.8 kg (15 lbs.)

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Usage:

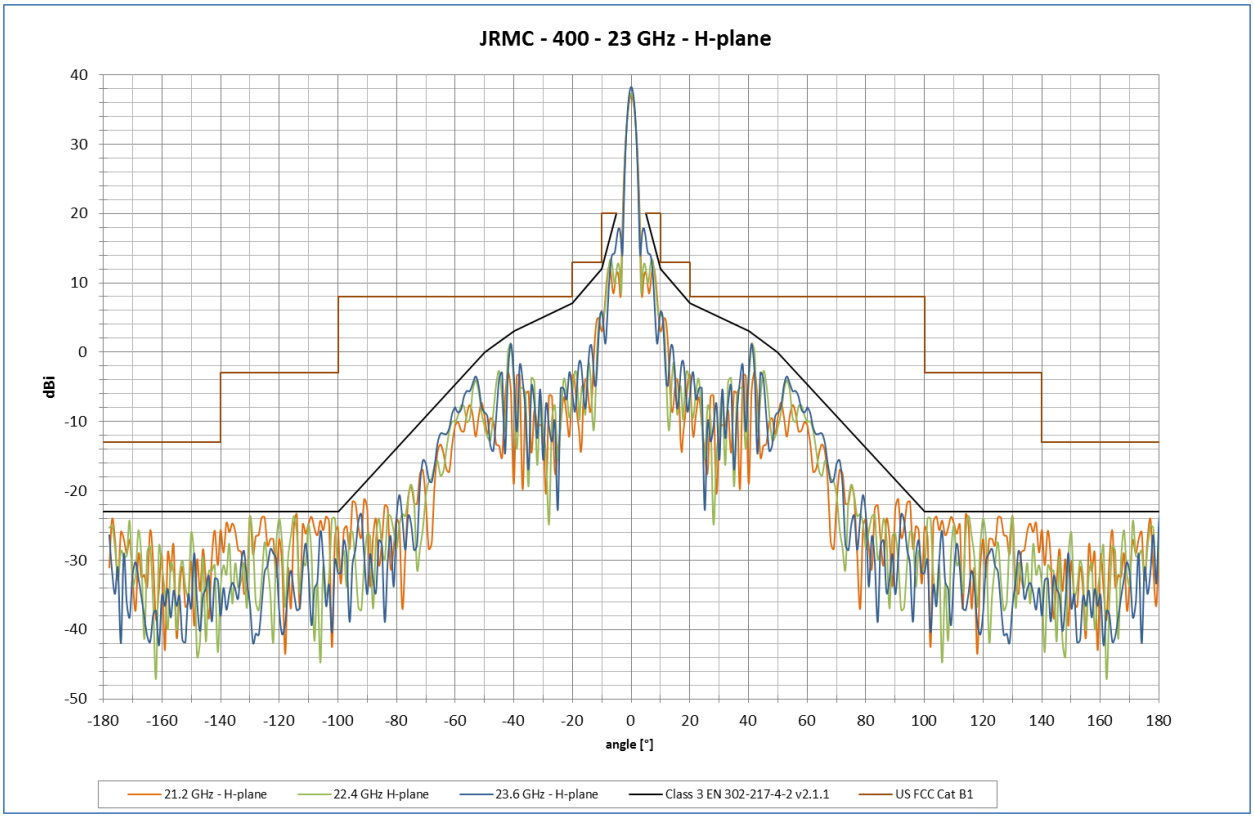
- deep parabola for better parameters
- **easy to assembly:** first the holder and then the antenna only by 2 screws
- **fine setting** elevation (of gradient) ± 16° and and azimuth ± 20°
- extreme wind stability

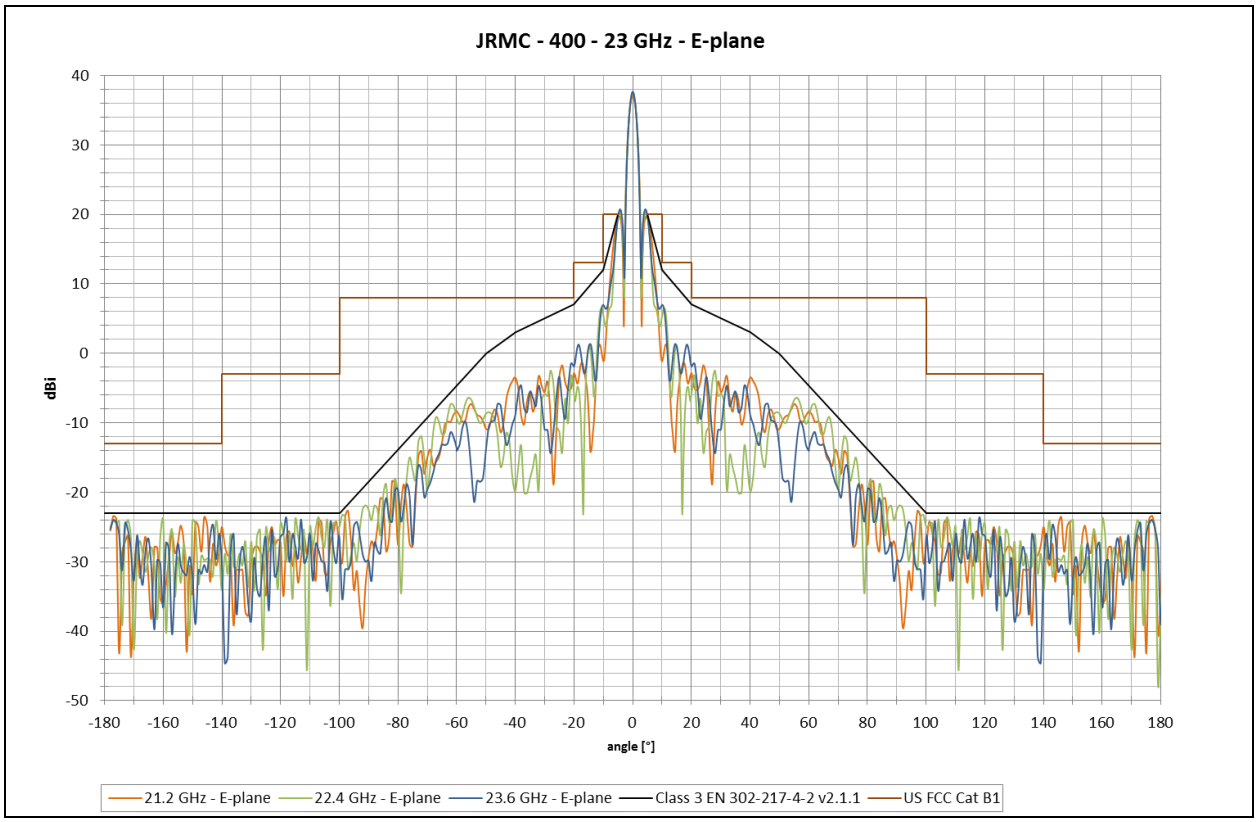
The antenna is supplied with a holder that allows easy mounting on a mast. The holder can be installed separately on the mast. Subsequently, you can simply hang up the antenna with microwave unit into it. The holder allows precise adjustment in both directions. Ready for right and left side mounting.

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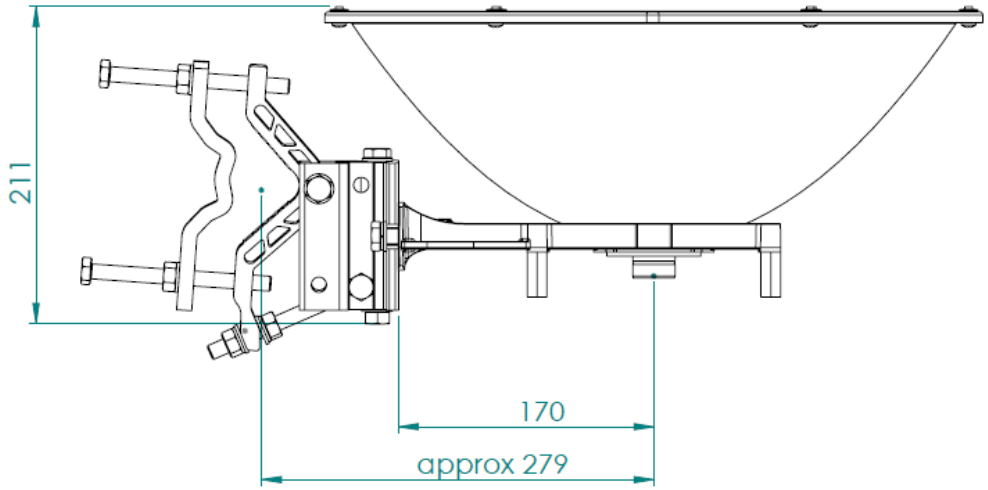
Measurement of radiation pattern:

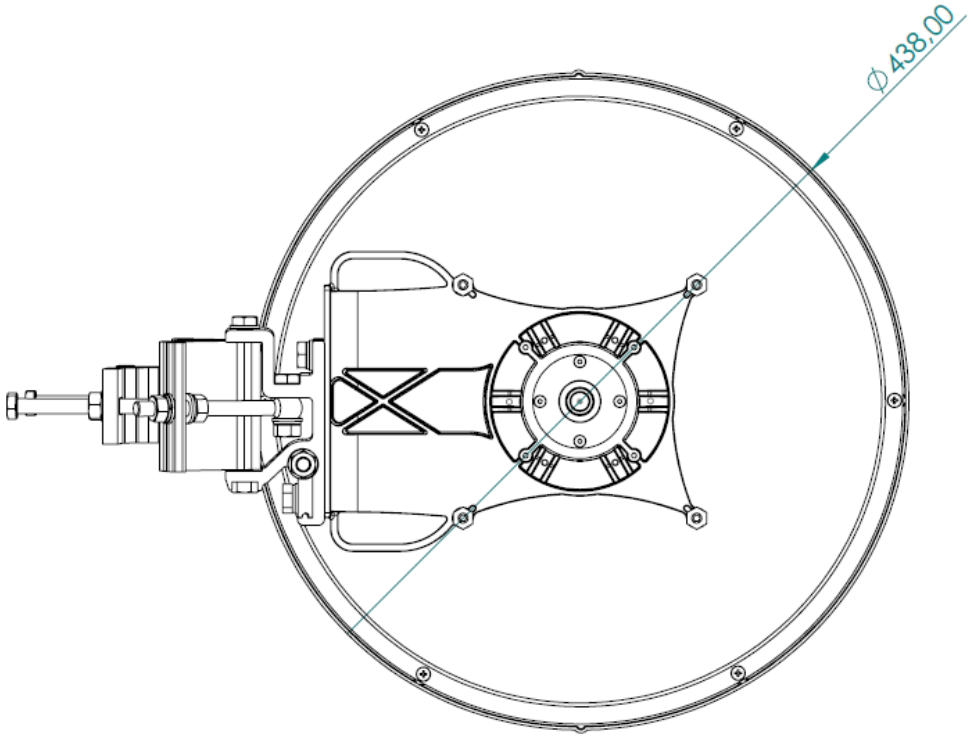




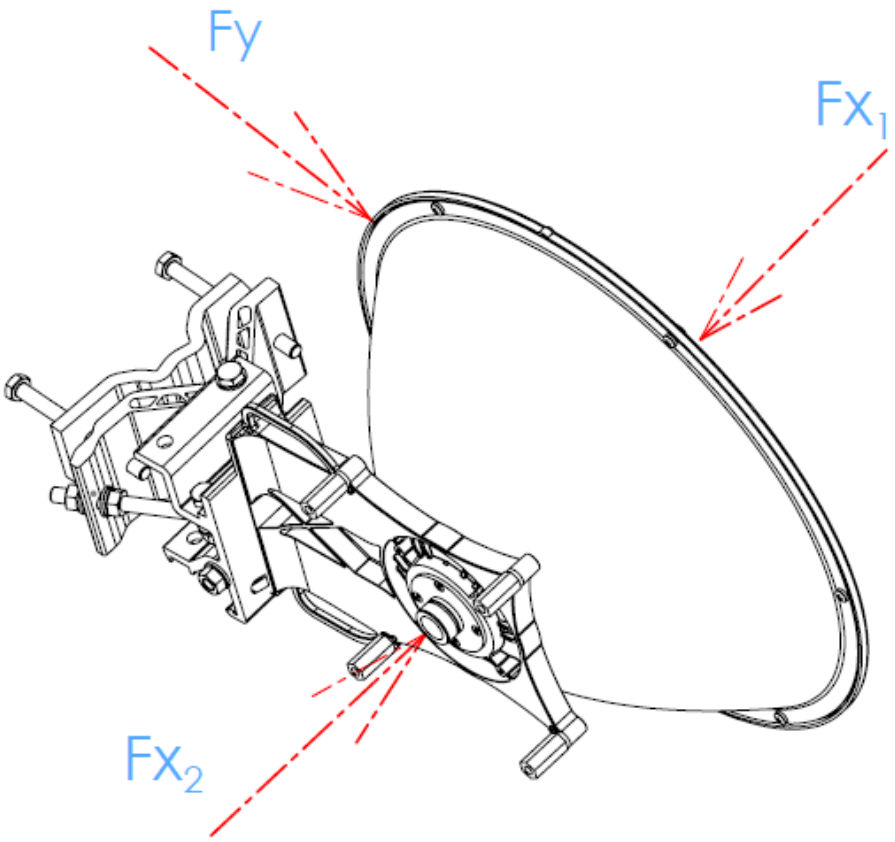
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Outline:





Wind loading:



Wind loading 200 km/h [125 mph]

Direction	Force [N]	Force [lbf]
Fx_1	344	77,3
Fx_2	313	70,3
Fy	17	3,8