Parabolic antenna JRMC-1800-7/8

www.jirous.com

Antenna JRMC-1800-7/8 is designed for microwave links at the frequency band 7/8 GHz. Precise performance with deep reflector dish complies with standard ETSI class 3.

Electrical parameters:

Frequency range	7.1 – 8.5 GHz
Gain – Low frequency	38.6 ± 1 dBi
Gain – High frequency	39.8 ± 1 dBi
Front to back ratio	≥ 65 dB
Beamwidth	1.6°
Return Loss	≥ 18 dB
Polarization	Dual Linear, vertical/horizontal
Cross-Polarization	≥ 33 dB
Electrical Compliance	**Class 3** ETSI EN 302-217-4-2

Mechanical parameters:

Parabola	Ø 1800 mm , aluminium alloy
Radom	UV resistant composite material
Input / output	Circular waveguide Ø 26 mm
Installation for mast	ø 70 - 120 mm
Operating wind load	140 km/h (87 mph)
Survival wind load	210 km/h (130 mph)
Weight of antenna	82 kg (180 lbs.)
Shipping dimensions	1945 x 770 x 2050 mm / 140 kg 6’ 4.6” x 2’ 6.3” x 6’ 8.7” / 308.6 lbs

Parabolic antenna JRMC-1800-7/8

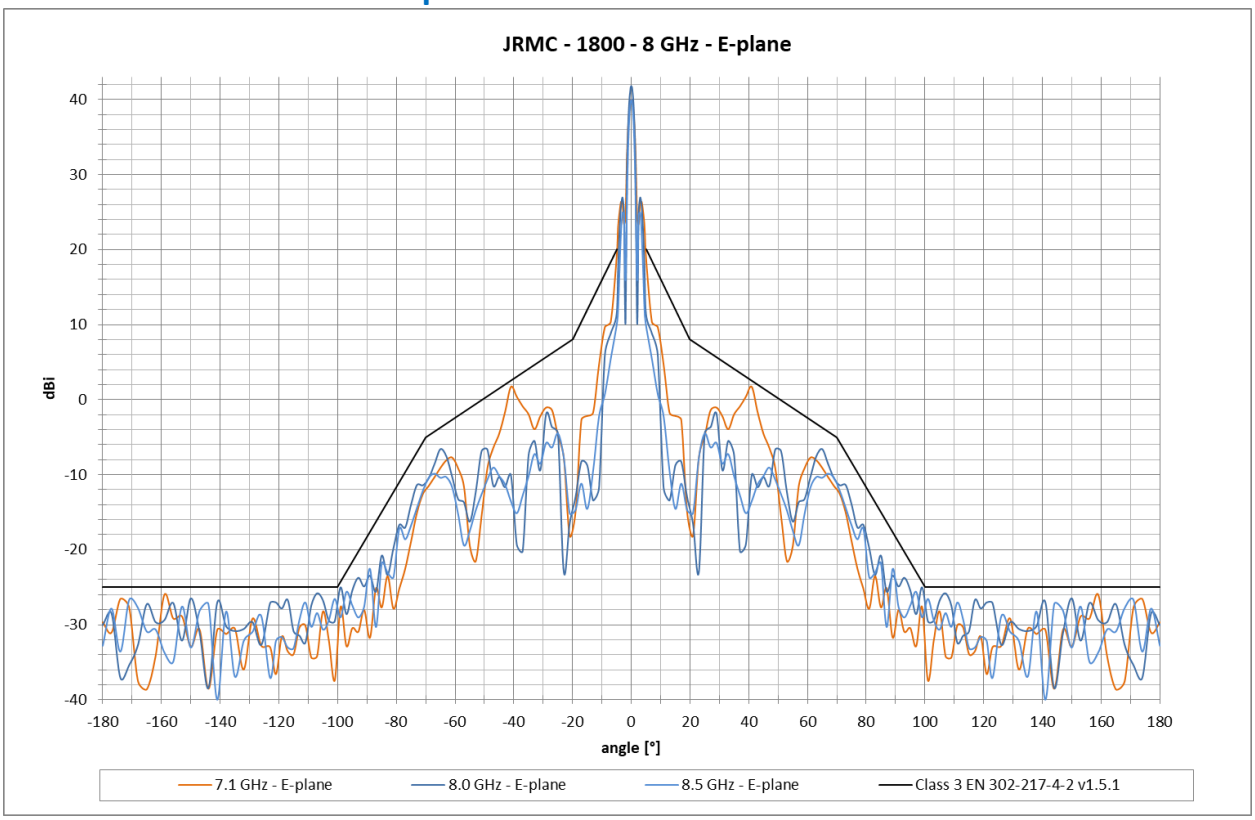
Usage:

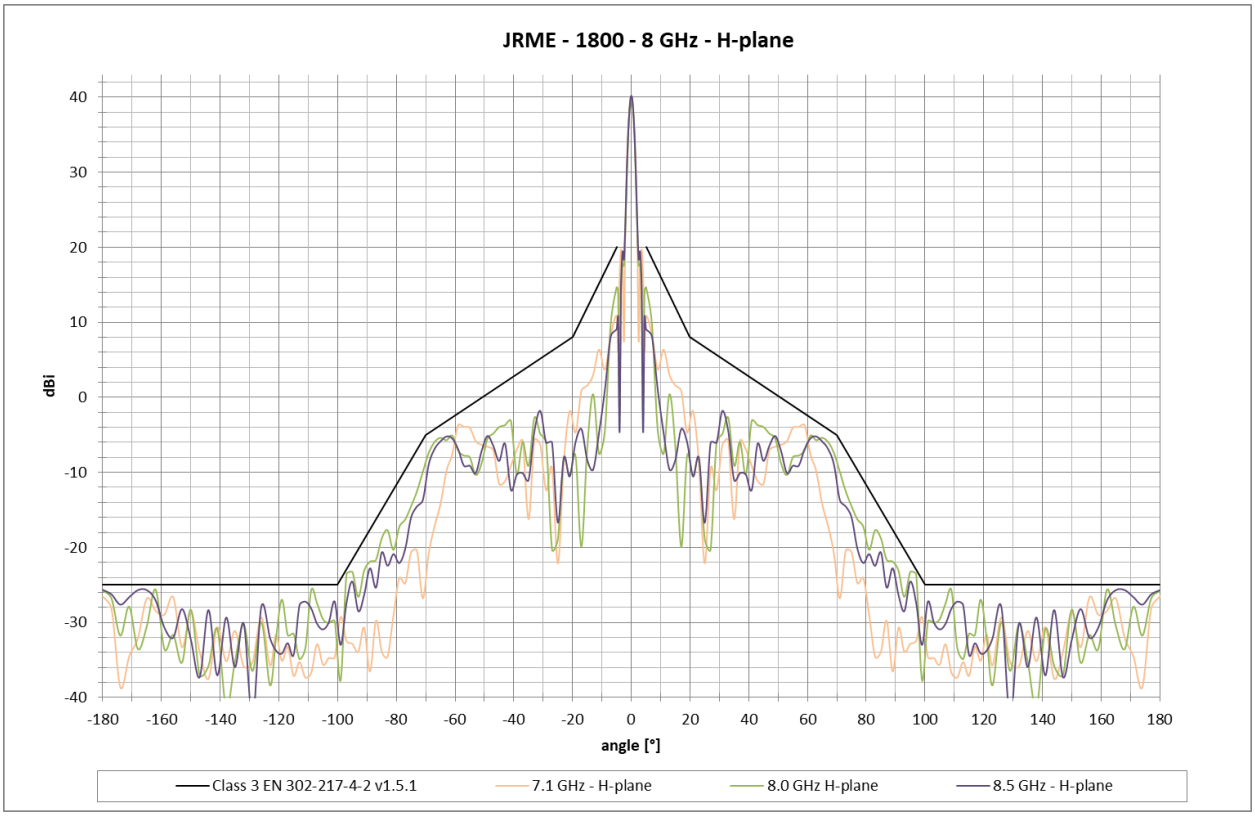
The antenna is supplied together with a massive holder that allows easy mounting on a mast. Holder can be installed separately on the mast. Subsequently, the antenna and microwave unit can be simply hung up into it.

Antenna holder allows fine setting of elevation ± 7°. Adjustable wind bracing set for fine setting of azimuth ± 7° is a part of antenna.

Ready for right and left side mounting.

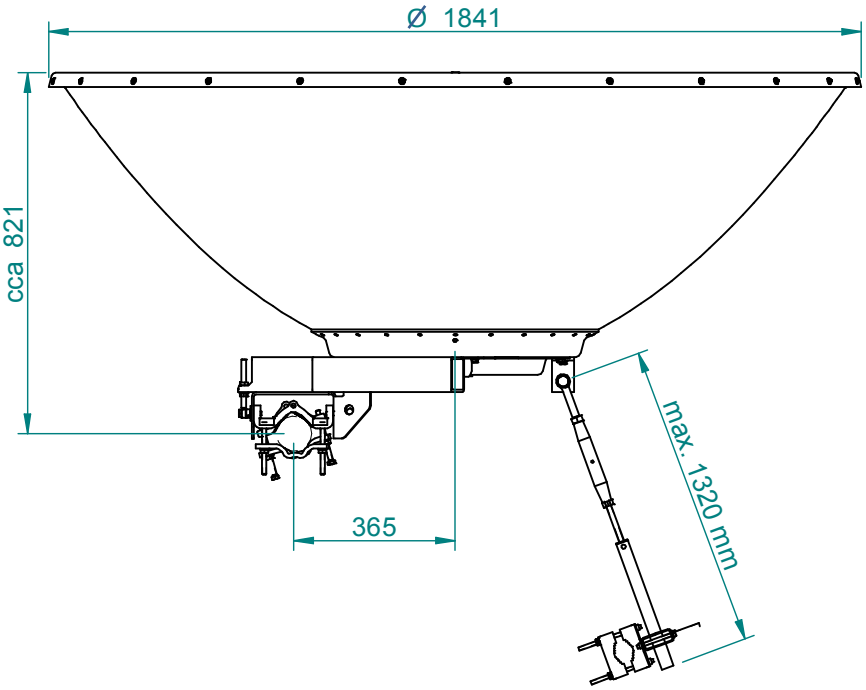
Measurement of radiation pattern:

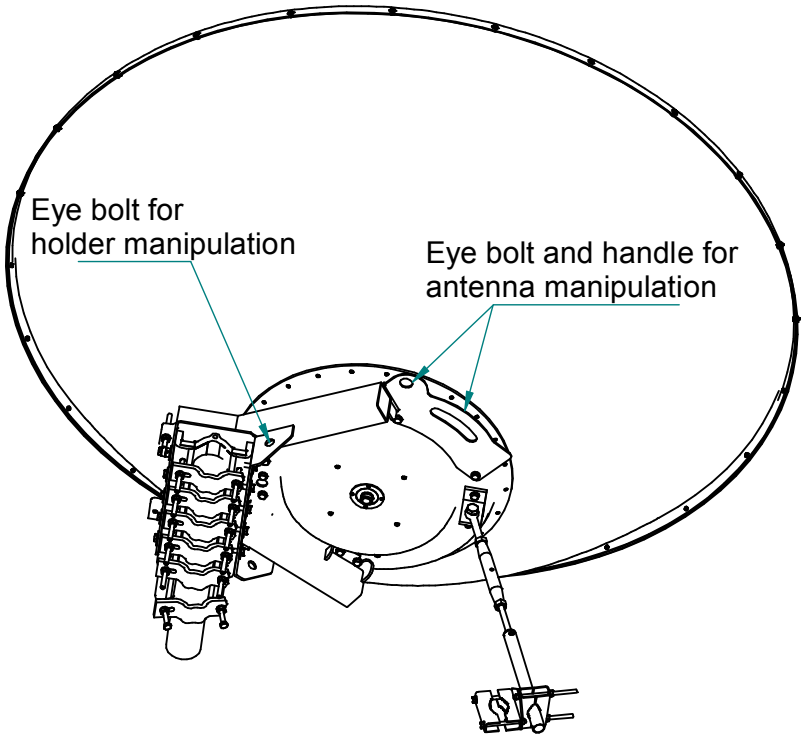




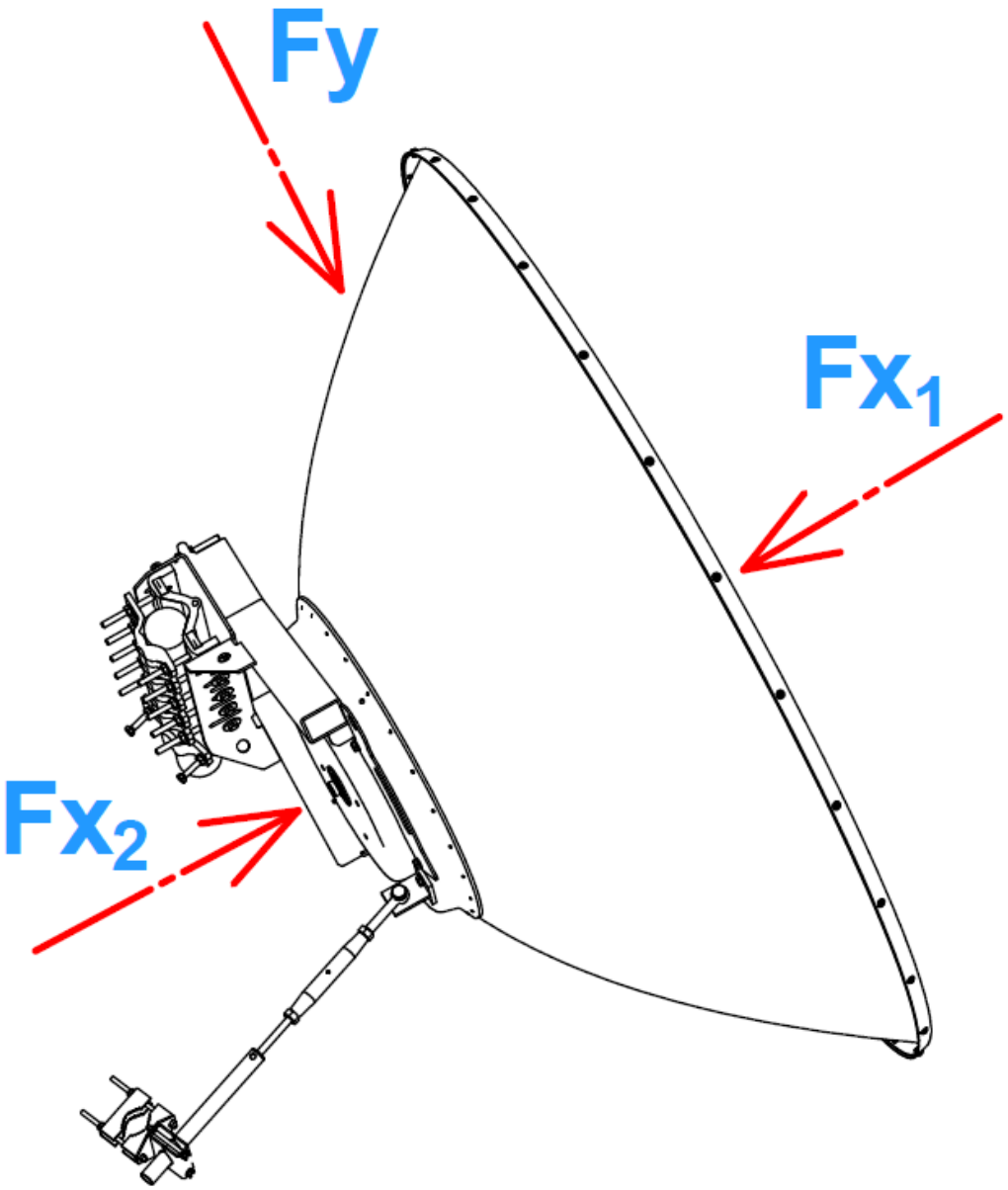
Parabolic antenna JRMC-1800-7/8

Outline:





Wind loading:



Wind Loading 200 km/h [125 mph]		
Direction	Force [N]	Force [lbf]
Fx1	4424	994
Fx2	3394	763
Fy	672	151