Parabolic antenna JRMC-1800-4.7 MIMO

www.jirous.com

Antenna JRMC-1800-4.7 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	34.8 ± 1 dBi
Gain – High frequency	36.0 ± 1 dBi
Beamwidth-3 dB	2.8°
Front to back ratio	≥ 61 dB
Isolation between connectors	> 30 dB
Return loss	≥ 14 dB
Cross-Polarization	≥ 35 dB
Polarization	Dual - vertical and horizontal Fine setting ±5°
Electrical Compliance	**Class 3** ETSI EN 302-217-4-2

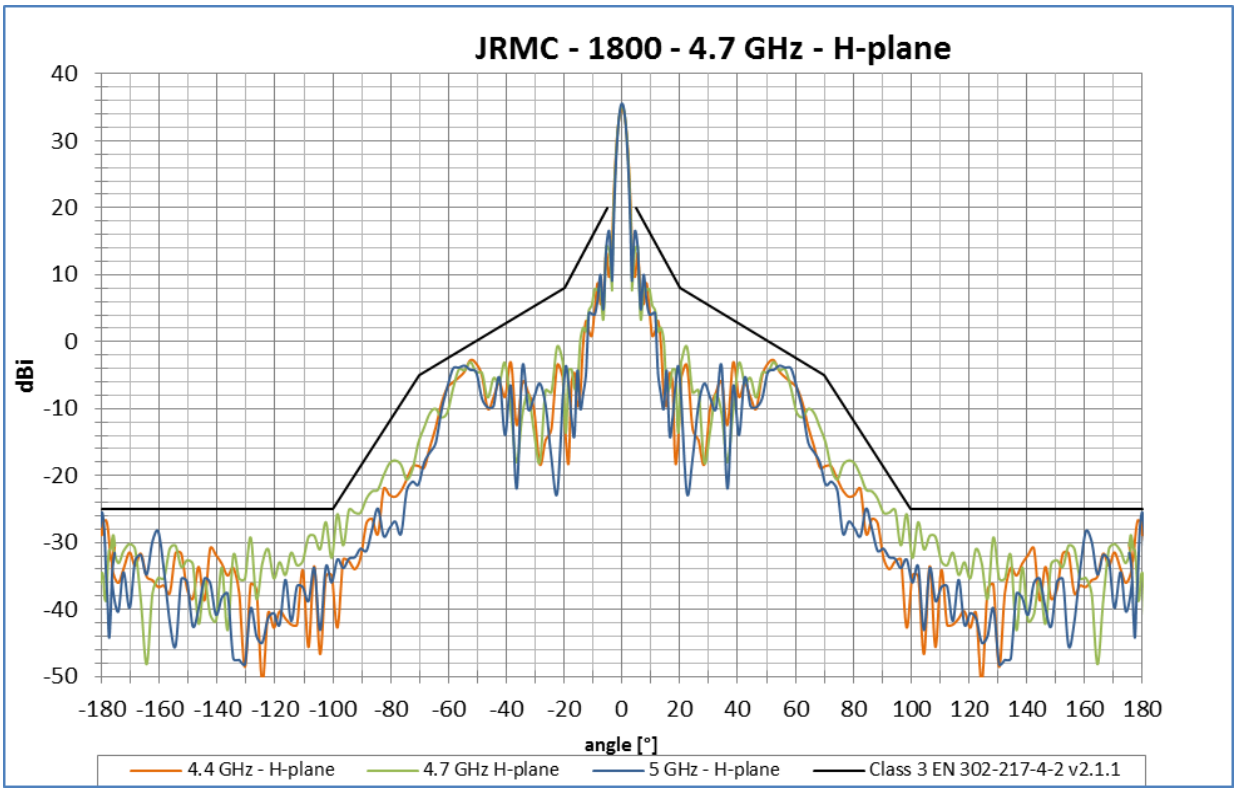
Mechanical parameters:

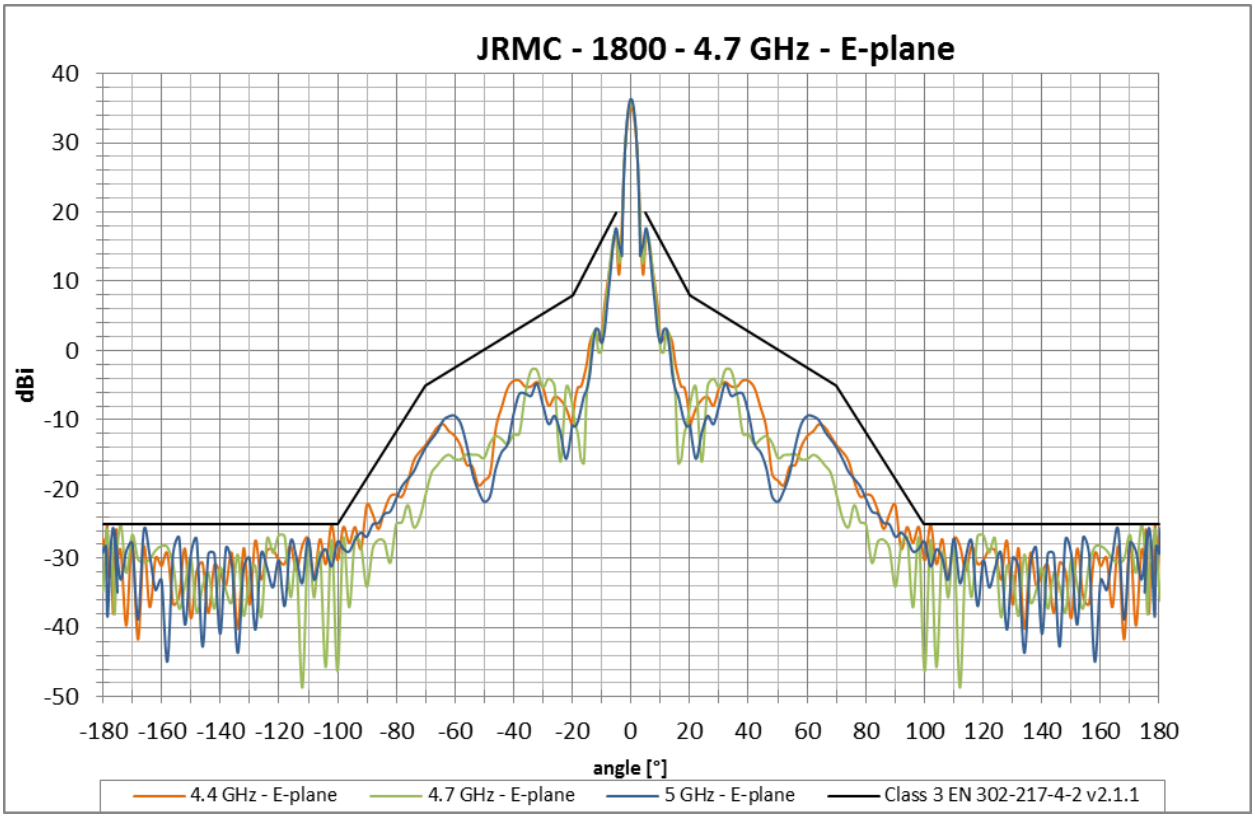
Parabola	Ø 1800 mm , aluminium alloy
Radom	UV resistant composite material
Type of connectors	N-female
Installation for mast	ø 70 - 120 mm
Operating wind load	140 km/h (87 mph)
Survival wind load	210 km/h (130 mph)
Weight of antenna	82 kg (180 lbs.)
Shipping dimensions	1945 x 770 x 2050 mm / 140 kg 6’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

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.

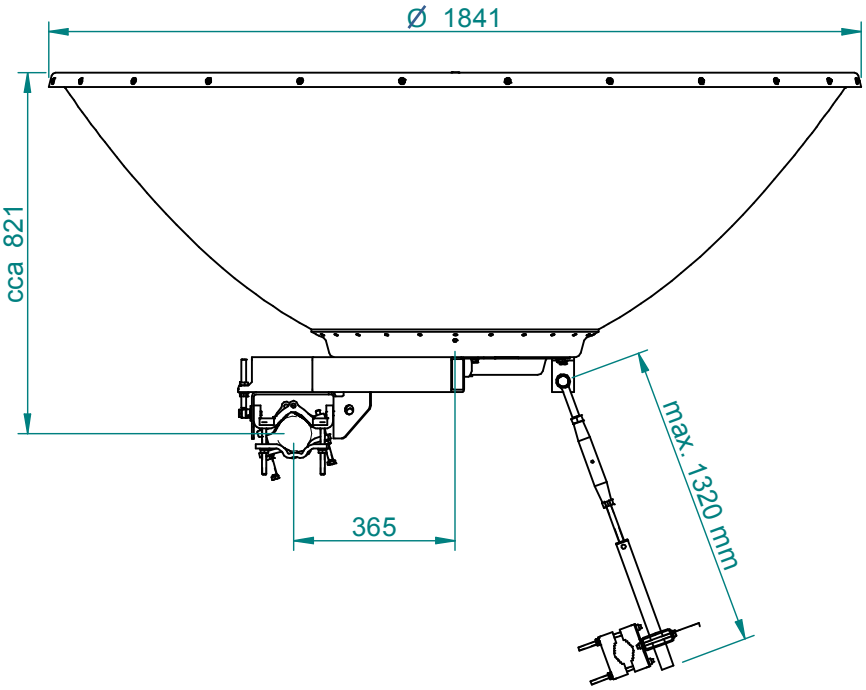
Measurement:

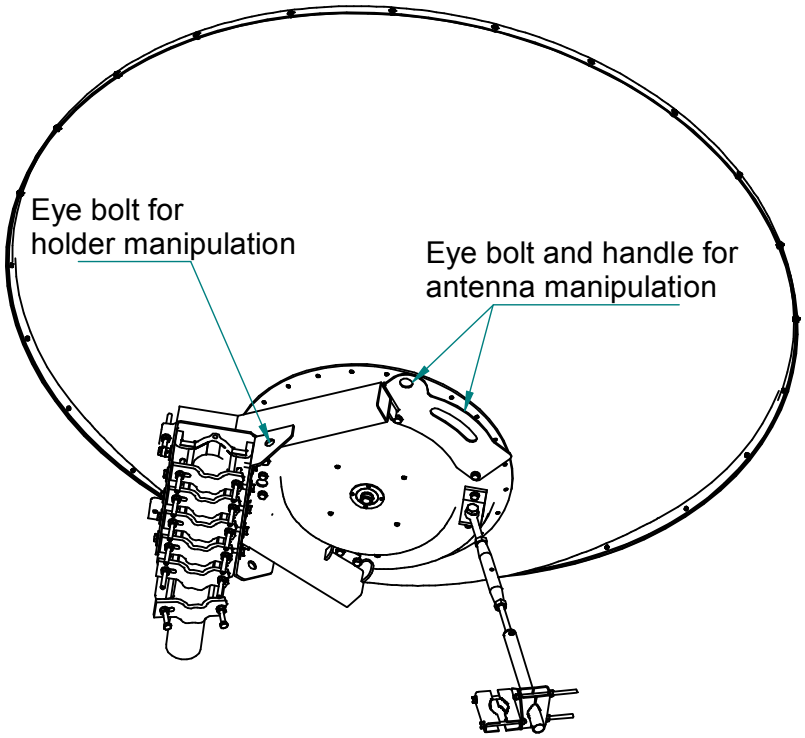




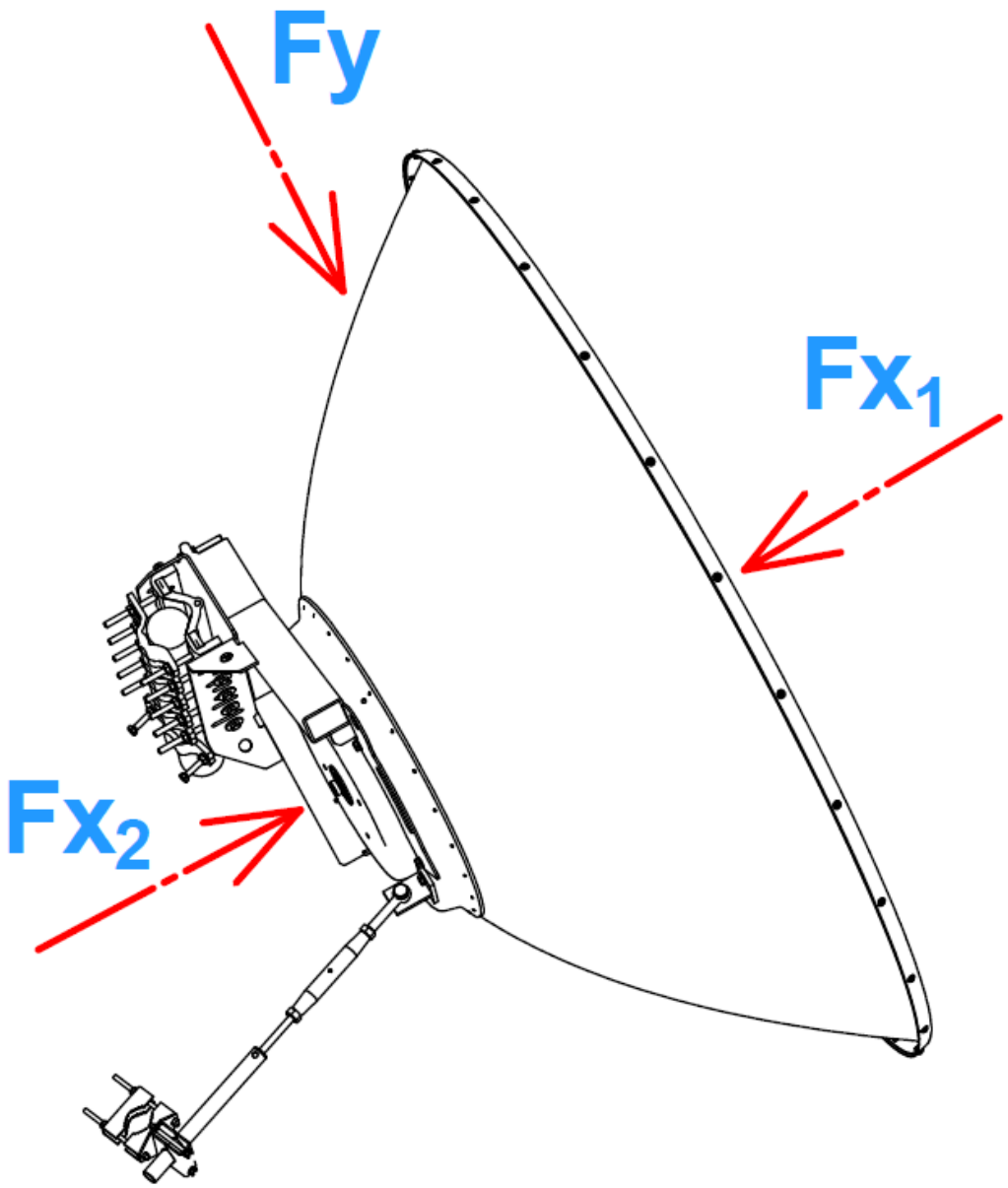
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Outline:





Wind loading:



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