Parabolic antenna JRMD-680-4.7

www.jirous.com

Antenna JRMD-680-4.7 is designed for microwave links at the frequency band 4.7 GHz. Precise performance with deep reflector dish complies with standard ETSI class 2.

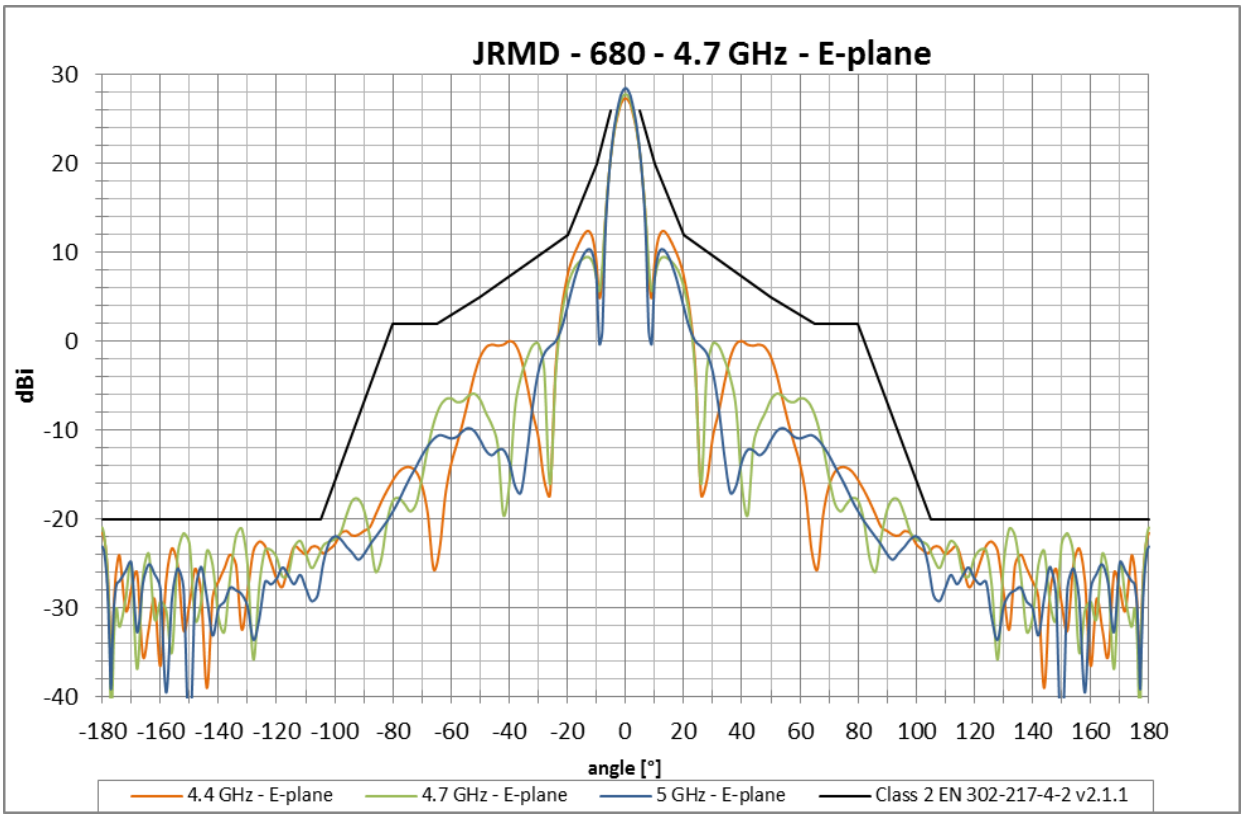
Electrical parameters:

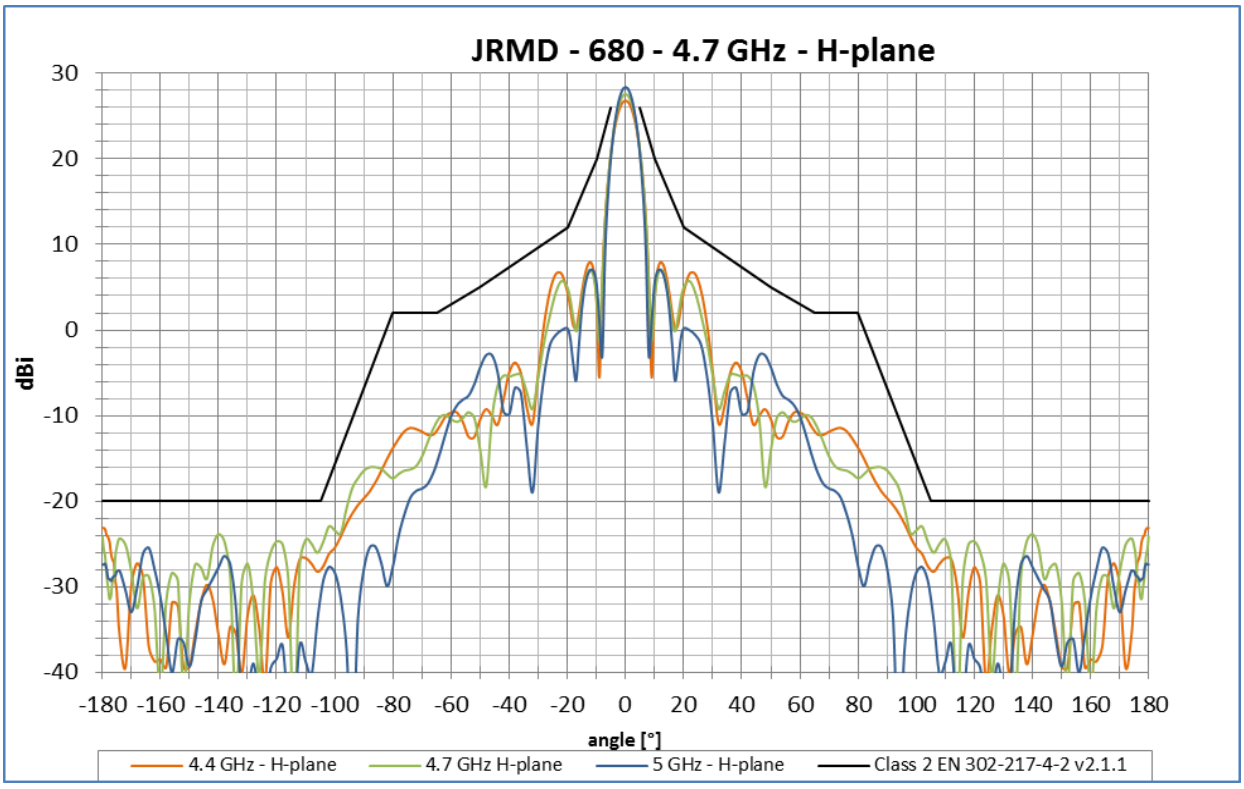
Frequency range	4.4 – 5.0 GHz
Gain – Low frequency	27.0 ± 1 dBi
Gain – High frequency	28.0 ± 1 dBi
Beamwidth$_{-3\ dB}$	6.8°
Front to back ratio	≥ 50 dB
Isolation between connectors	> 35 dB
Return loss	≥ 14 dB
Polarization	Dual - vertical and horizontal fine setting ±5°
Cross-Polarization	≥ 28 dB
Electrical Compliance	**Class 2** ETSI EN 302-217-4-2

Mechanical parameters:

Parabola	Ø 680 mm , Aluminium alloy
Radome	UV steady plastic ABS
Type of connector	N-female
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	6.4 kg (14 lbs.)
of holder	3.2 kg (7.0 lbs.)
Shipping dimensions	800x 800x 350 mm / 13.7 kg (30 lbs.)

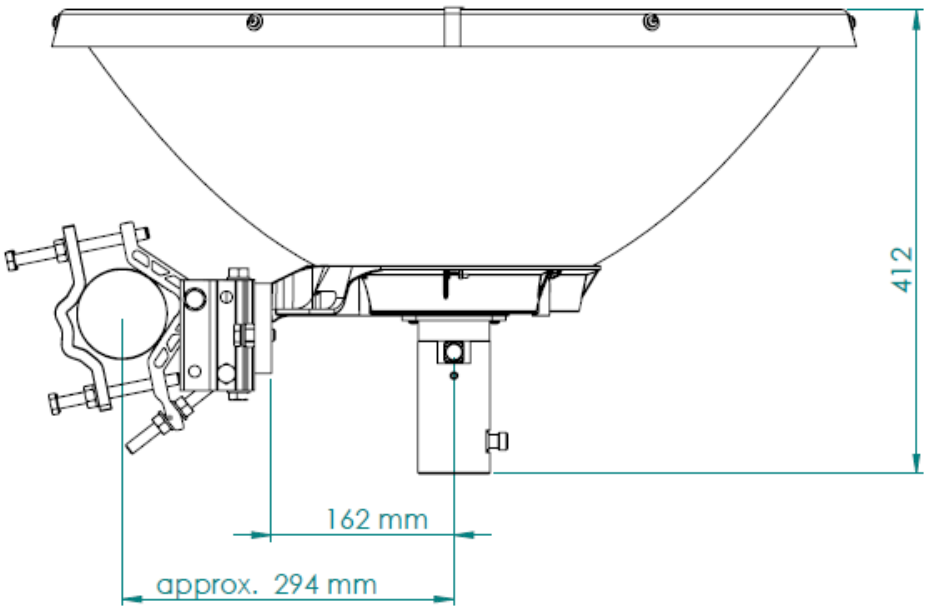
Measurement:

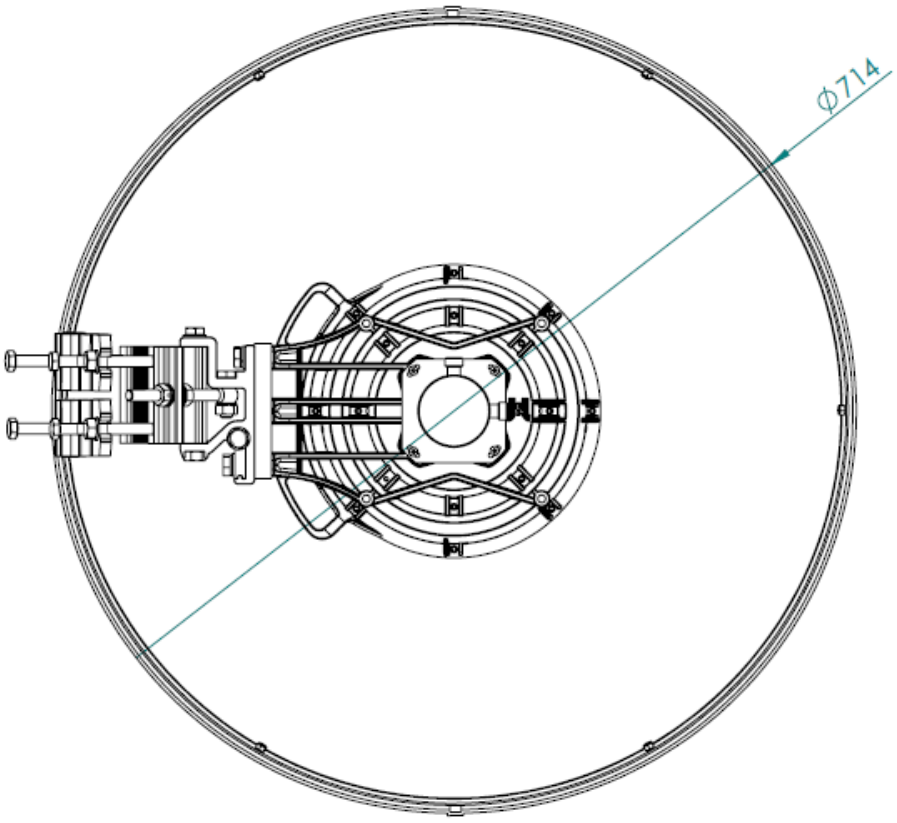




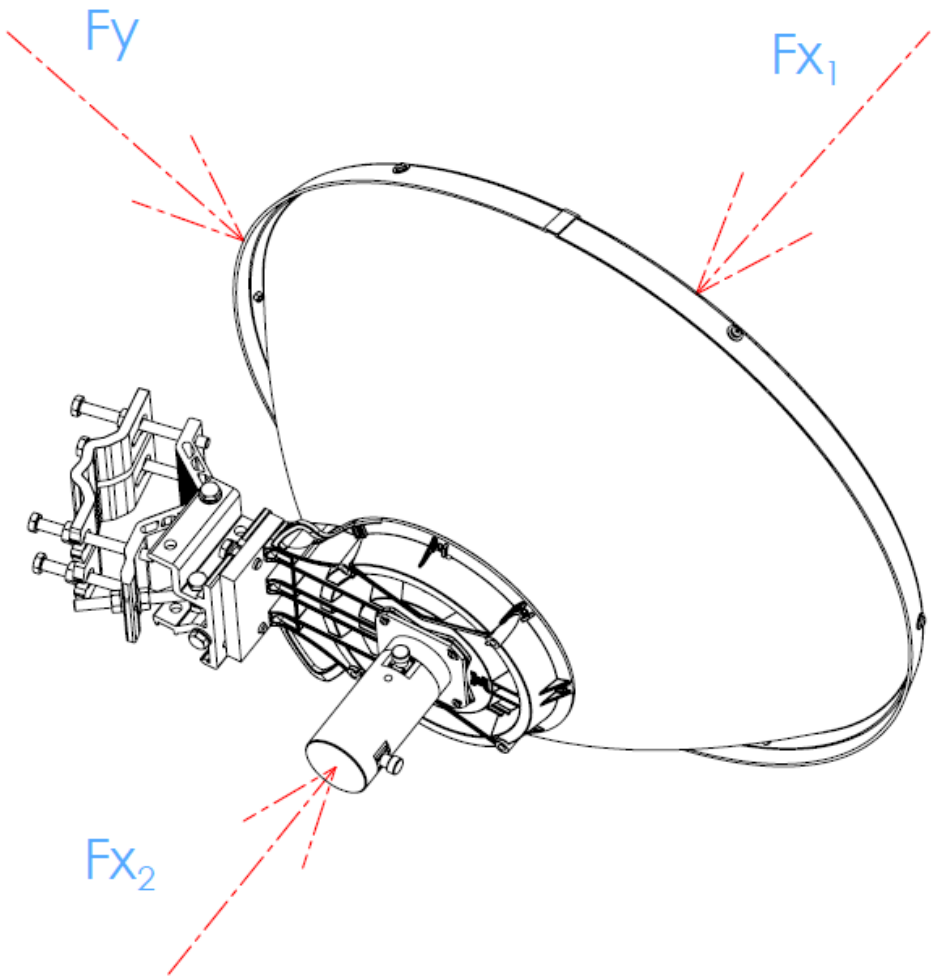
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Outline:





Wind loading:



Wind Loading at 200 km/h [125 mph]

Direction	Force [N]	Force [lbf]
Fx_1	707	158,9
Fx_2	792	178
Fy	71	15,9