Parabolic antenna JRC-38DD MIMO PriS

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Dual-polarized parabolic antenna **JRC-38 Deep Dish MIMO PriS** is designed for links with dual-polarized **PrismStation radio units** at the frequency band 5 GHz. The antenna is designed for environments with multiple reflections for long and medium distances in difficult conditions. **Its design with deep dish increases isolation among antennas on a mast and increases front to back ratio. The new concept expands the frequency band.**

Other models: **JRC-38DD MIMO Precision** – standard deep dish MIMO antenna
JRC-38DD DuplEX Precision – deep dish full duplex antenna

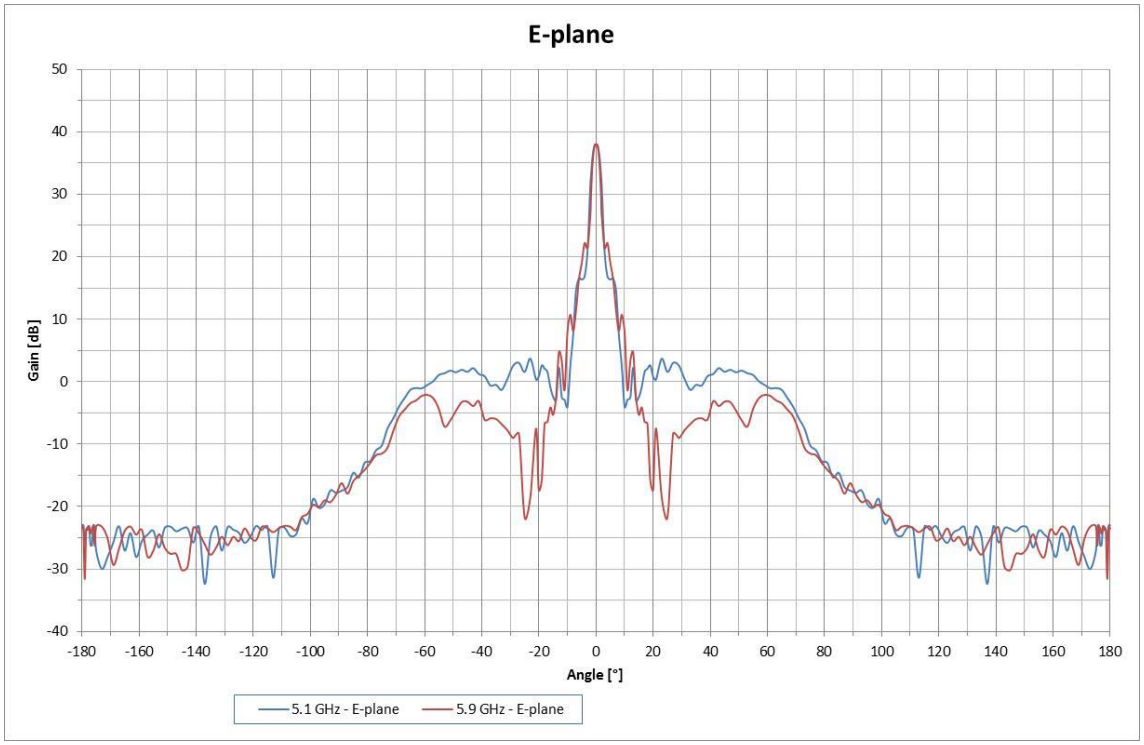
Electrical parameters:

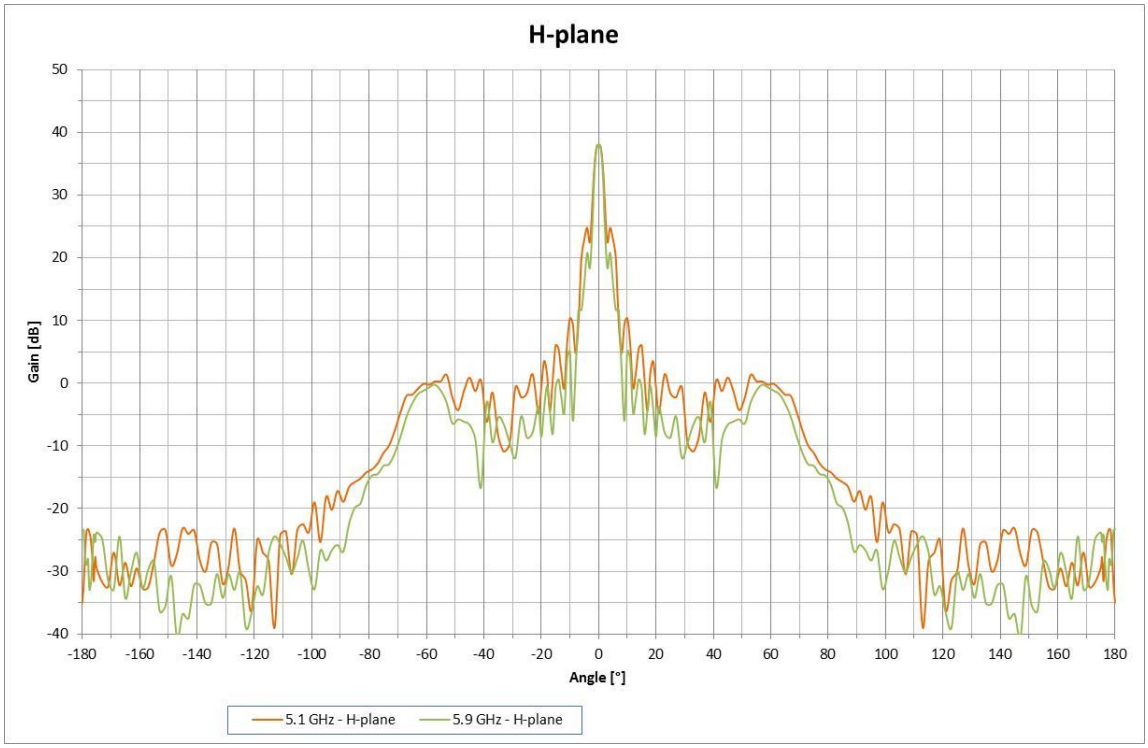
Frequency range	4.9 – 6.4 GHz
Gain	38.0 ± 1 dBi
VSWR 5.1 – 5.9 GHz	≤ 1.4
Beamwidth -3 dB	2.1˚
Port to port isolation 5.1 – 5.9 GHz	≥ 26 dB
XPD 5.1 – 5.9 GHz	≥ 25 dB
Front to Back ratio	≥ 60 dB
Polarization	Linear, vertical/horizontal or 45°

Mechanical parameters:

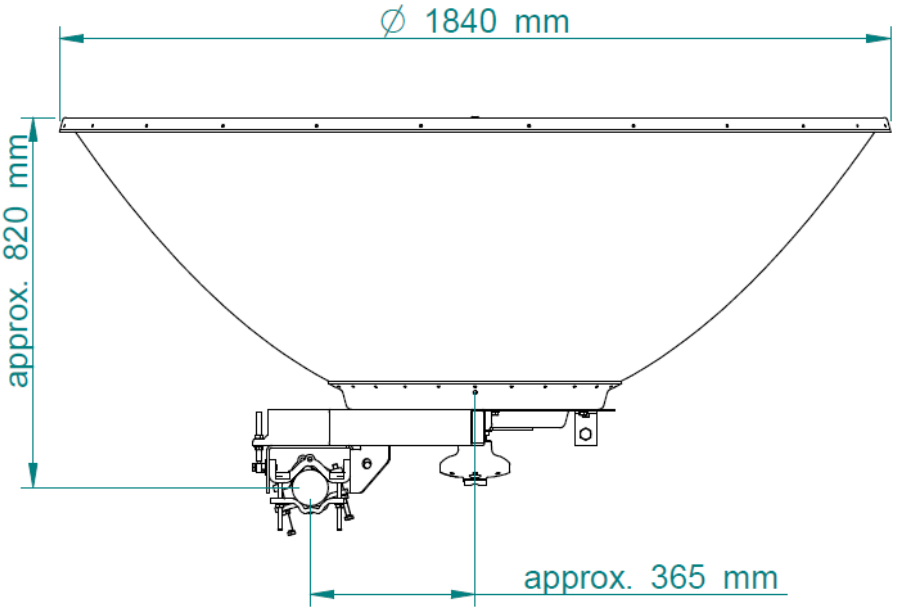
Parabola	Ø 1800 mm, Aluminium alloy
Radome	UV steady composite material
Connection	Waveguide for UBNT PrismStation
Installation for mast	Ø 70 - 120 mm
Operating wind load	140 km/h (87 mph)
Survival wind load	210 km/h (131 mph)
Weight of antenna	82 kg (180 lbs)
Shipping dimensions	1945 x 770 x 2050 mm / 140 kg 6’ 4.6” x 2’ 6.3” x 6’ 8.7” / 308.6 lbs

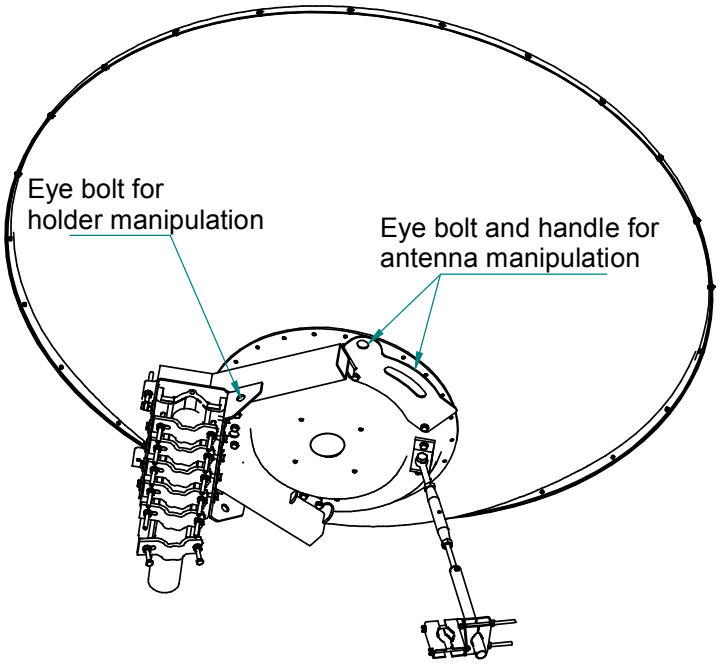
Measurement of radiation pattern:



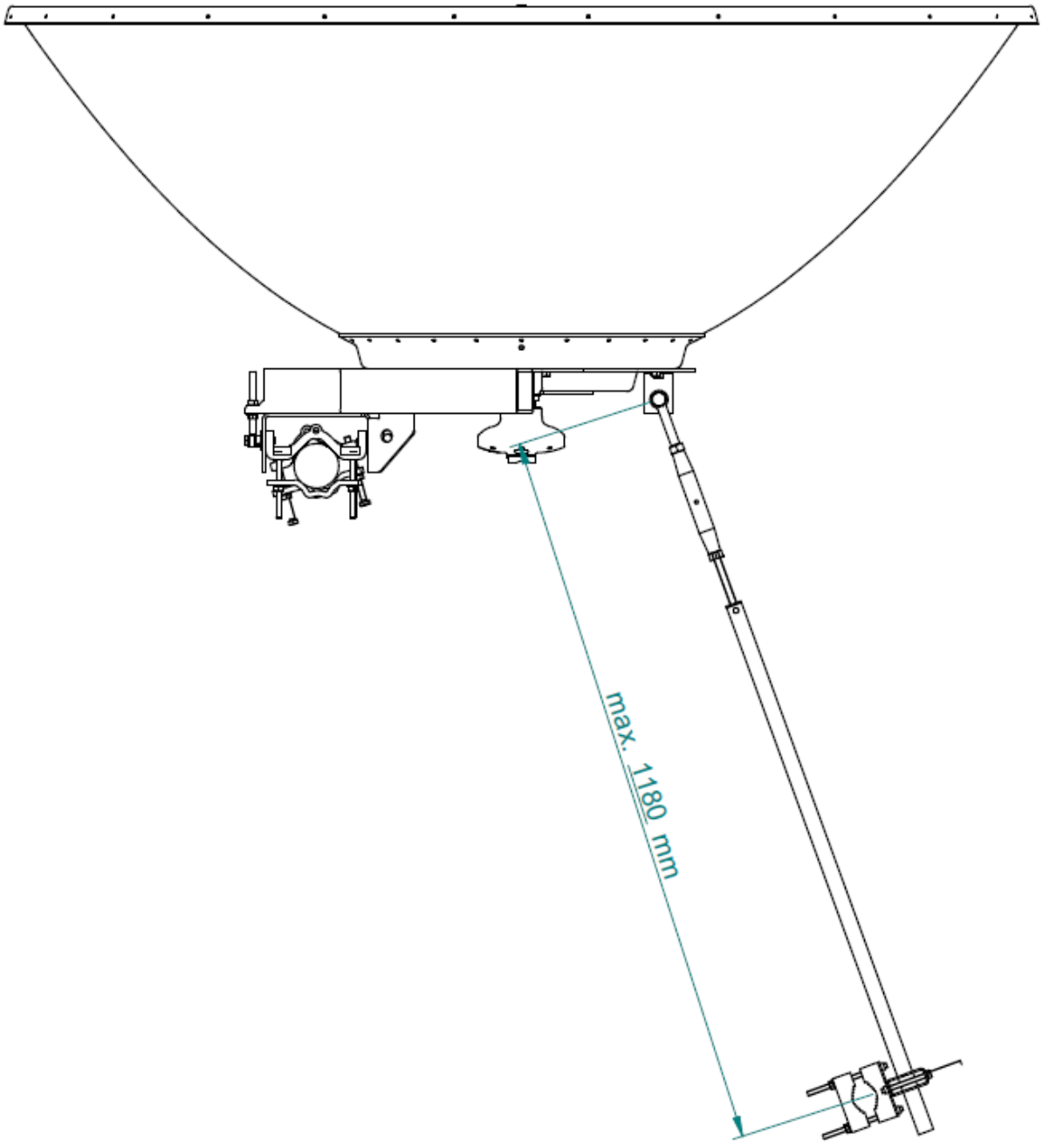


Outline:

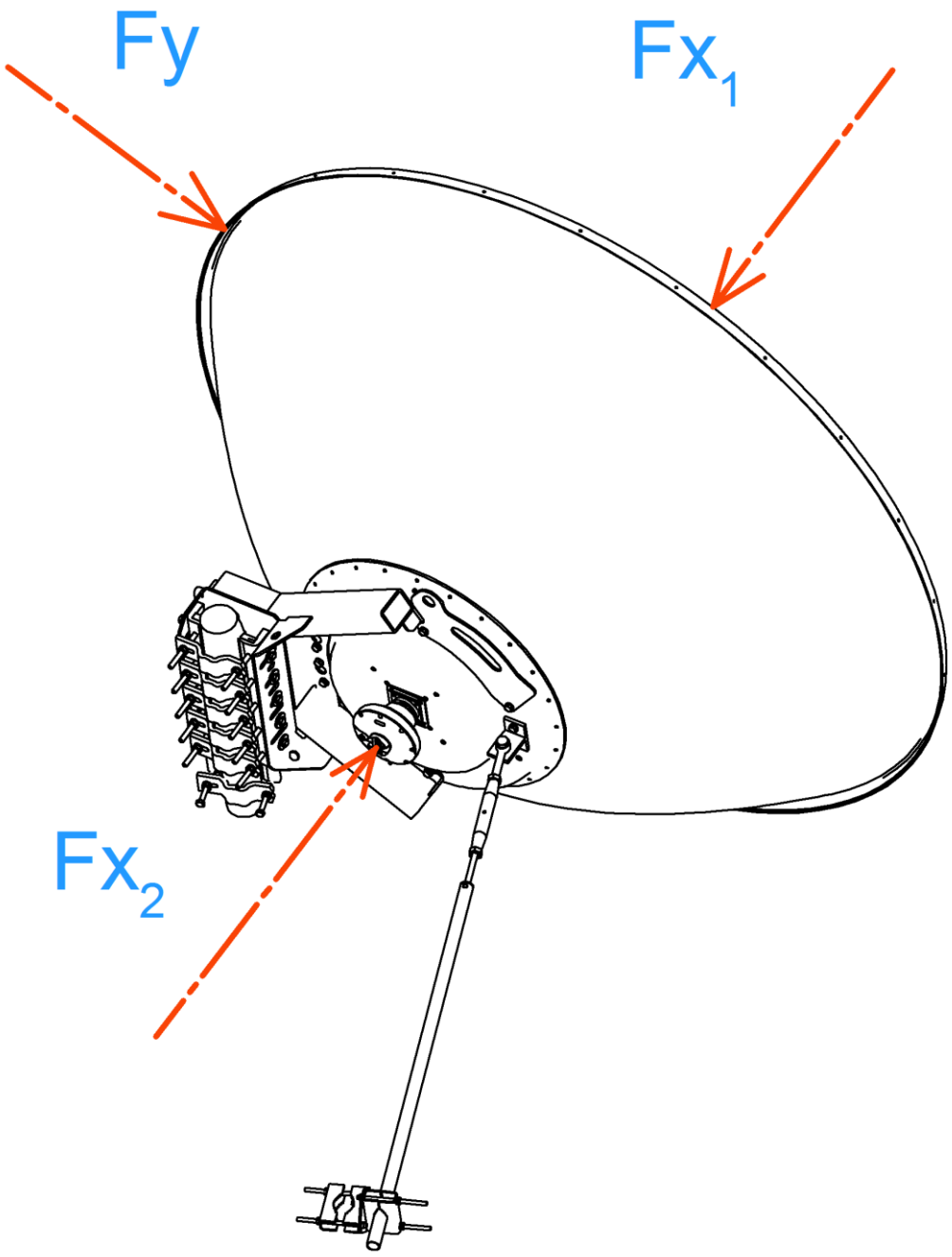

∅ 1840 mm
approx. 820 mm
approx. 365 mm


Eye bolt for
holder manipulation
Eye bolt and handle for
antenna manipulation

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Wind loading:



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