

Parabolic antenna JRC-24DD MIMO Precision

Dual-polarized parabolic antenna **JRC-24 Deep Dish MIMO Precision** is designed for directional links with MIMO mode at the frequency band 5 GHz. The antenna is designed for environments with multiple reflections for medium and short 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.** The Precision version includes a **massive holder JDMW-900** developed for microwave links.

Other models: **JRC-24DD MIMO** – standard deep dish MIMO antenna
JRC-24DD-SX MIMO – antenna with stainless steel holder for adverse corrosive conditions
JRC-24DD MIMO PriS - antenna for dual-polarized radio UBNT PrismStation

Electrical parameters:

Frequency range	4.9 – 6.4 GHz
Gain	24.5 ± 1 dBi
VSWR 5.1 – 5.9 GHz	≤ 1.4 (rest of the freq. range ≤ 1.6)
Beamwidth -3 dB	9.0°
Port to port isolation 5.1 – 5.9 GHz	≥ 27 dB (rest of the freq. range ≥ 22 dB)
Front to Back ratio	≥ 44 dB
Polarization	Linear, vertical/horizontal or 45°

Mechanical parameters:

Parabola	Ø 400 mm, Aluminium alloy
Radome	UV steady plastic ABS
Type of connector	N-female, R-SMA
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	2.1 kg (4.6 lbs.)
of holder	3.2 kg (7.0 lbs.)
Shipping dimensions	
of antenna	475 x 475 x 350 mm / 3.4 kg (7.5 lbs.)
of holder	180 x 170 x 165 mm / 3.5 kg (7.7 lbs.)

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Usage:

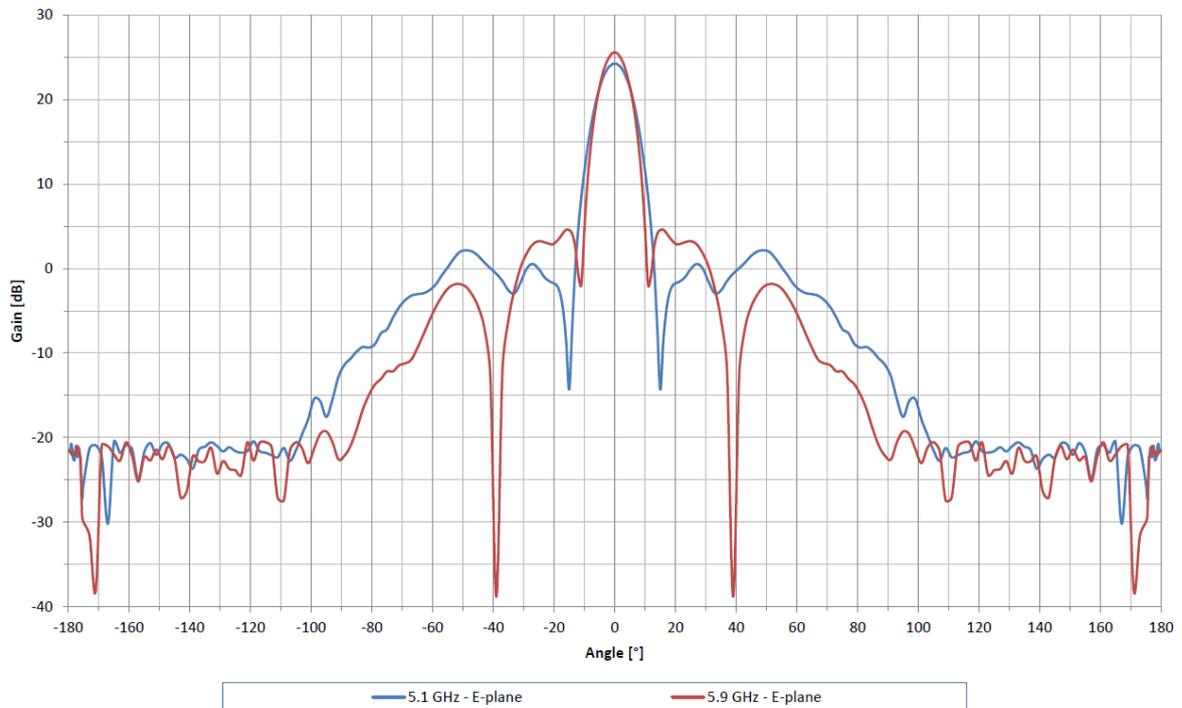
The antenna can be used in combination with the outdoor metal box JR – 250 Alu for AP, RouterBOARDS and other electronics or with holder GentleCLIP for easy installation devices with the clipped system. The antenna has separate latching nuts for easy mounting and adjustment of the azimuth and elevation. Right and left side mounting possible.

The antenna is supplied with a holder (packed separately) 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. In the areas with the expected occurrence of the strong winds mounting on the mast with minimal \varnothing 50 mm is recommended.

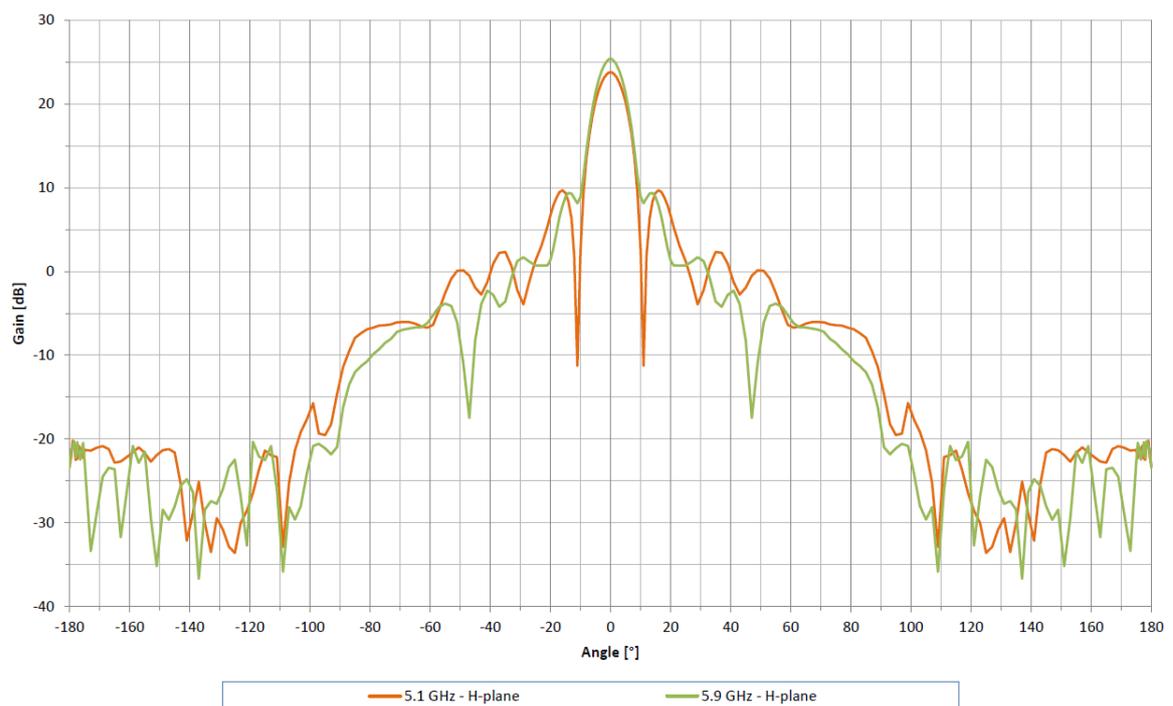
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Measurement of radiation pattern:

JRC-24DD MIMO - E-plane

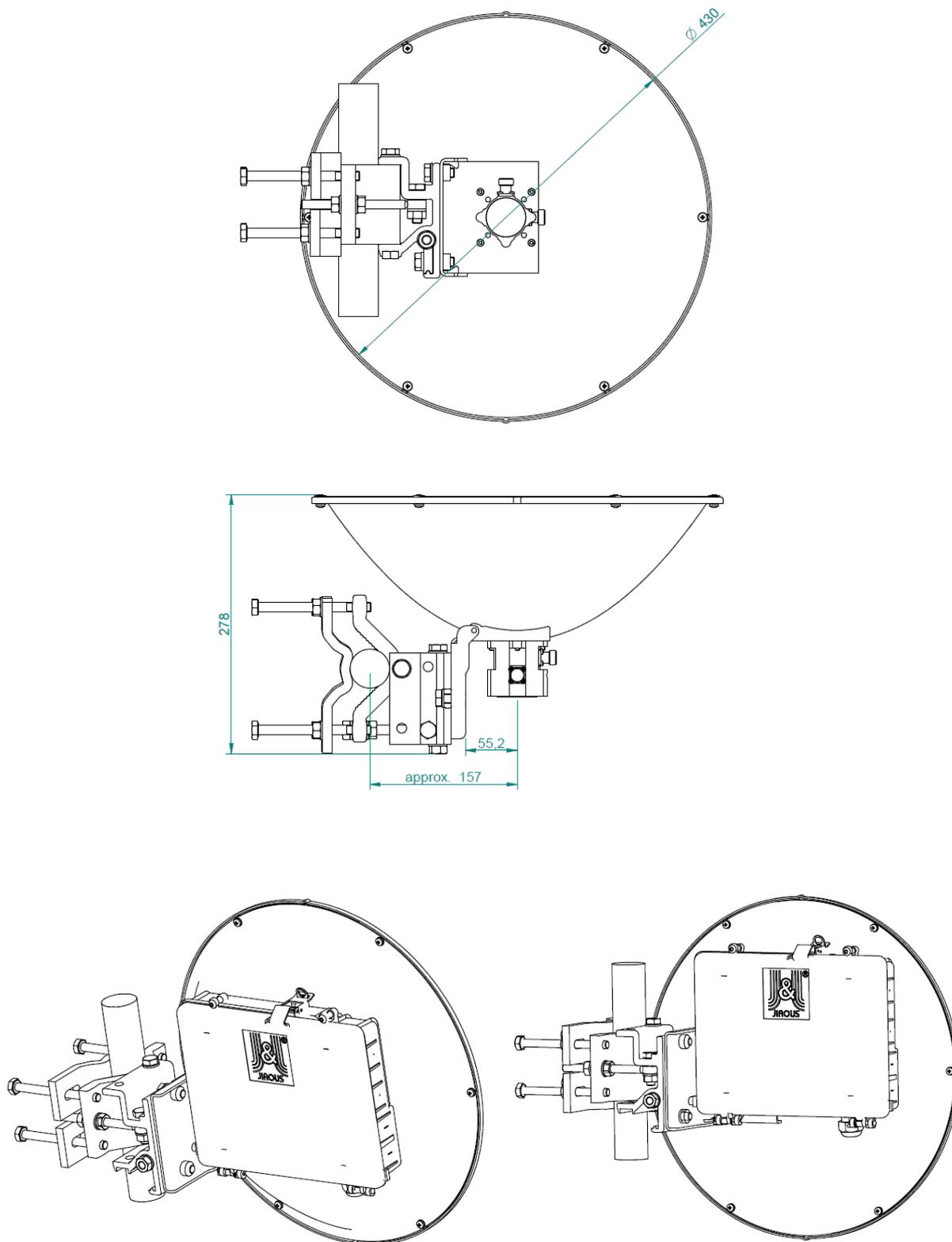


JRC-24DD MIMO - H-plane



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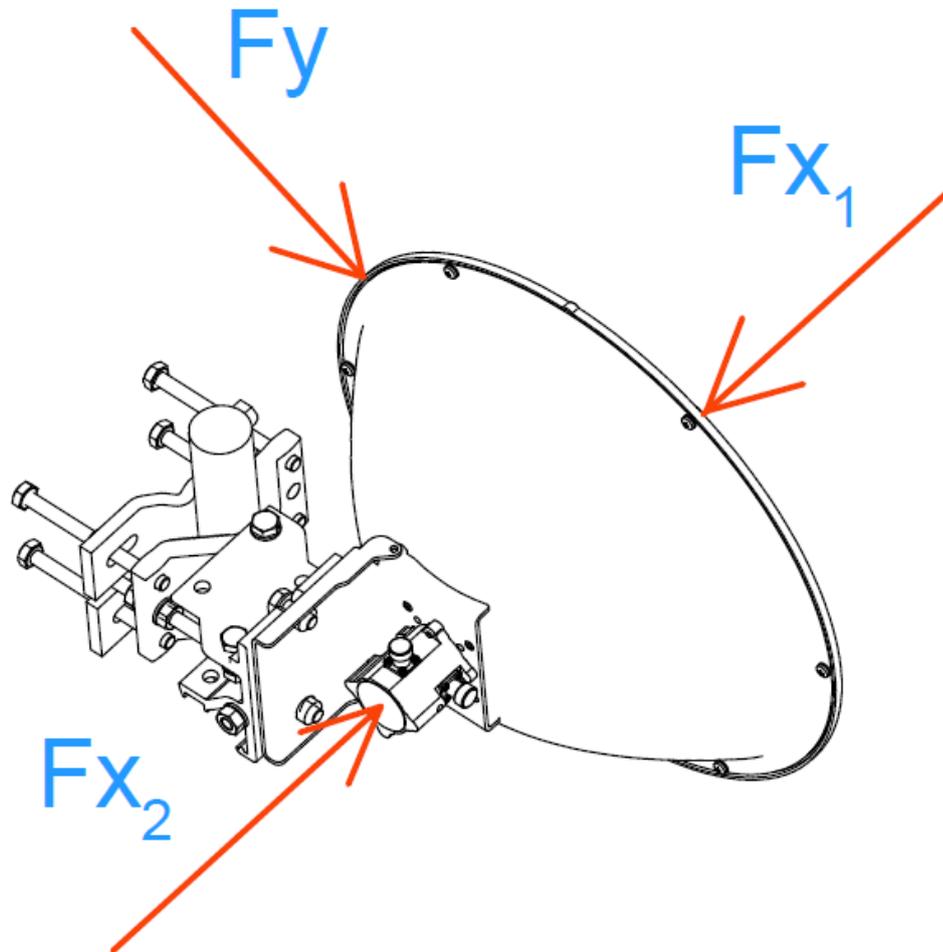
Outline:



Accessories: outdoor plastic box JR – 200 or metal box JR – 250 Alu – right side mounting only, polarization 45° not possible

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Wind loading:



Wind Loading at 250 km/h (125 mph)		
Direction	Force [N]	Force [lbf]
Fx1	344	77.3
Fx2	313	70.3
Fy	17	4