Parabolic antenna JRC-29DD MIMO Precision

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Dual-polarized parabolic antenna **JRC-29 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 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.** The Precision version includes a **massive holder JDMW-900** developed for microwave links.

Other models: **JRC-29DD MIMO** – standard deep dish MIMO antenna
JRC-29DD-SX MIMO – antenna with stainless steel holder for adverse corrosive conditions
JRC-29DD MIMO PriS – antenna for dual-polarized radio UBNT PrismStation

Electrical parameters:

Frequency range	4.9 – 6.4 GHz
Gain	29.0 ± 1 dBi
VSWR 5.1 – 5.9 GHz	≤ 1.4
Beamwidth -3 dB	5.5˚
Port to port isolation 5.1 – 5.9 GHz	≥ 25 dB (rest of the freq. range ≥ 22 dB)
Front to Back ratio	≥ 49 dB
Polarization	Linear, vertical/horizontal or 45°

Mechanical parameters:

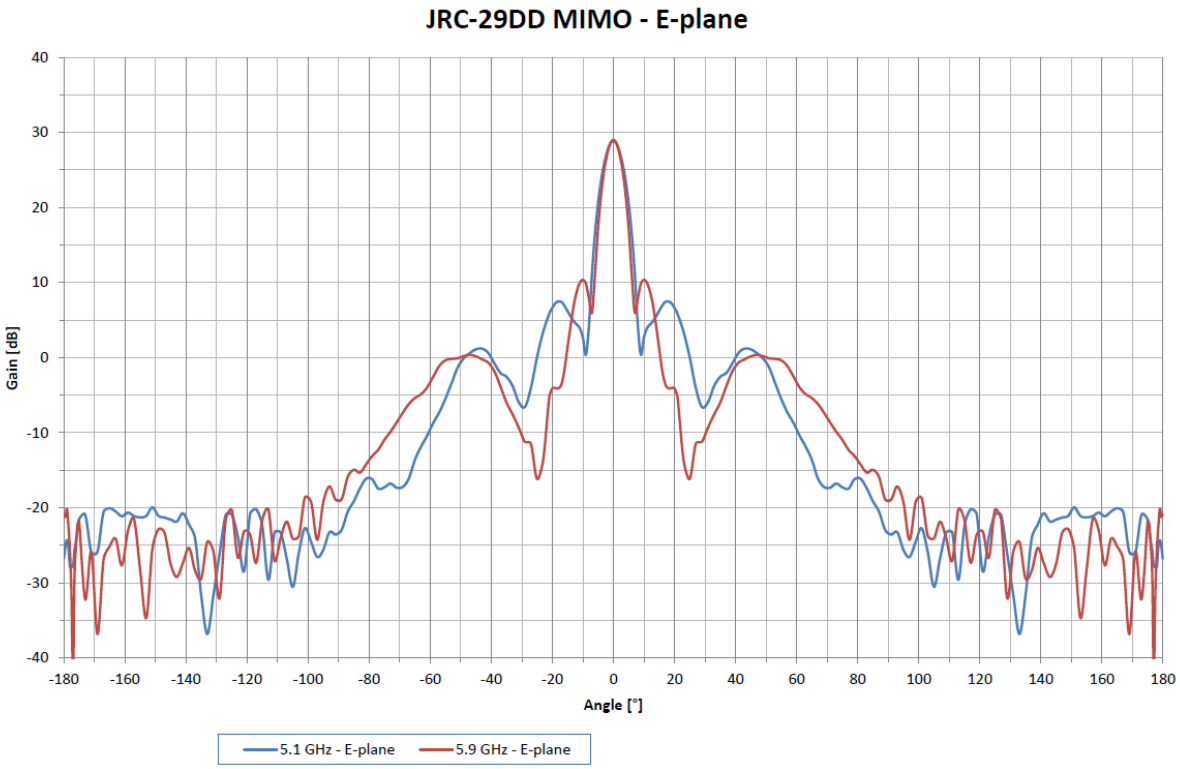
Parabola	Ø 680 mm, Aluminium alloy
Radome	UV steady plastic ABS
Type of connector	N-female, R-SMA
Installation for mast	Ø 40 - 120 mm
Weight of antenna	5.0 kg (11.0 lbs.)
of holder	3.2 kg (7.0 lbs.)
Shipping dimensions	800 x 800 x 450 mm / 13 kg (28.7 lbs.)

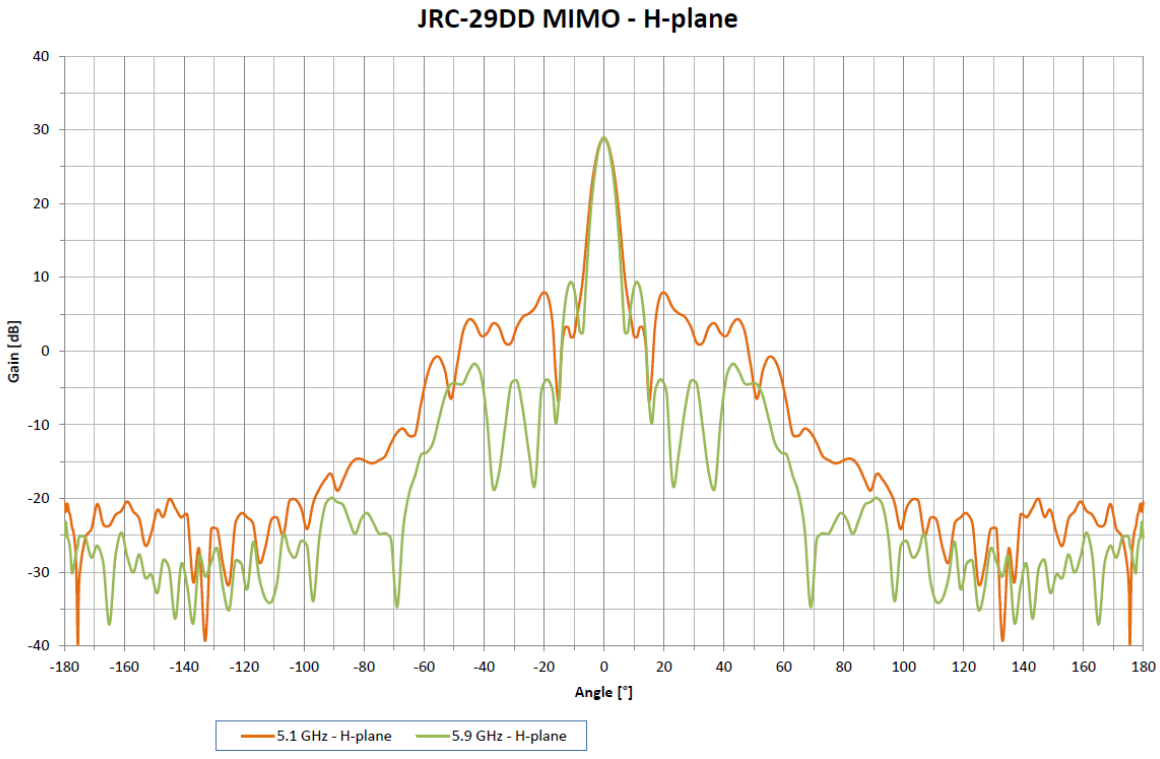
Usage:

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.

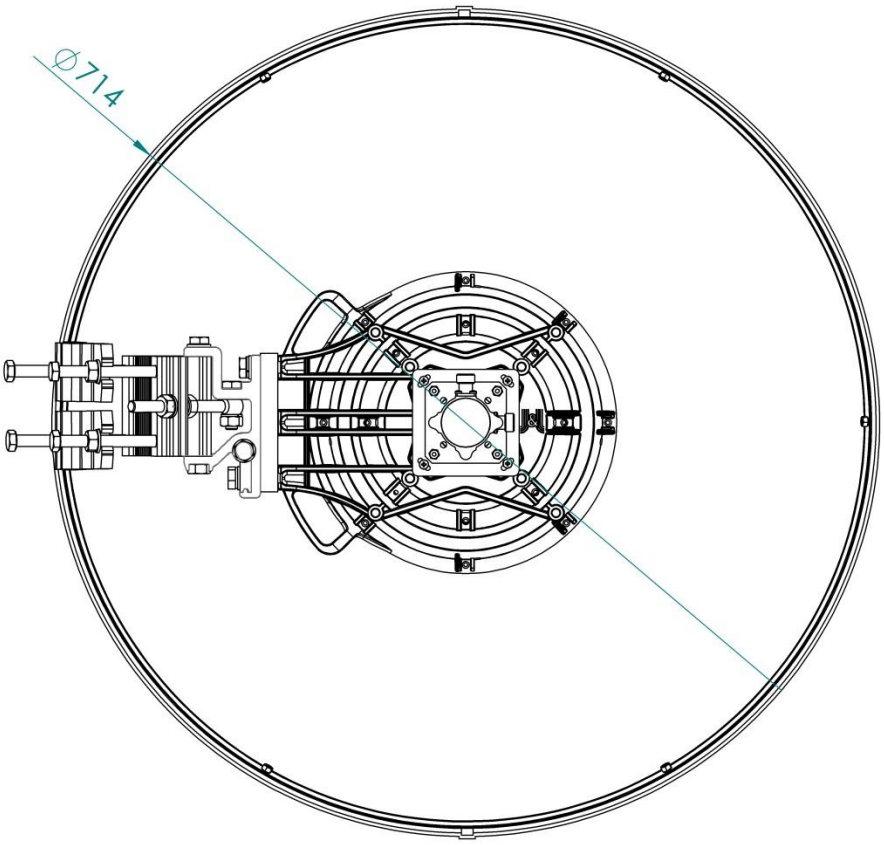
The antenna is supplied with a holder (packed separately) that allows easy mounting on a mast. The holder can be installed separately on the mast. Subsequently, you can simply hang up the antenna with microwave unit into it. The holder allows precise adjustment in both directions. In the areas with the expected occurrence of the strong winds mounting on the mast with minimal ø 50 mm is recommended.

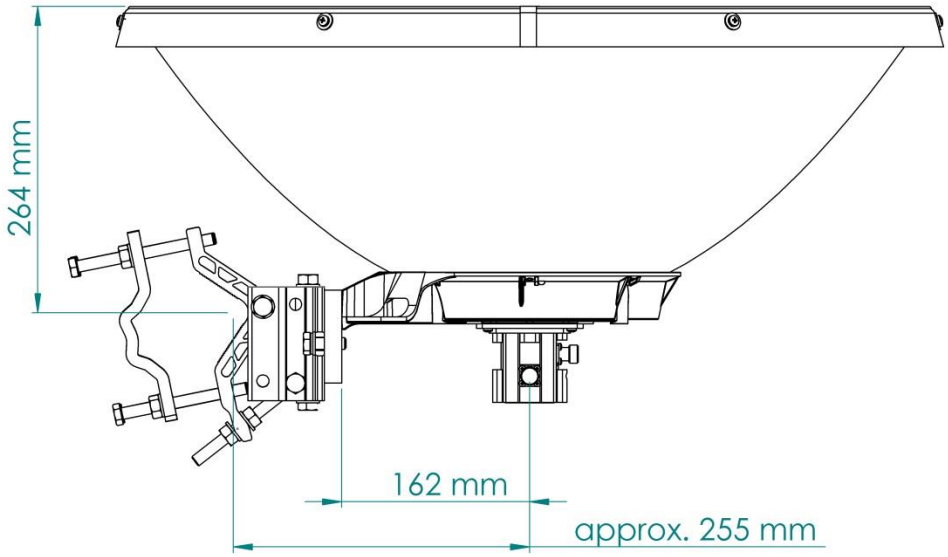
Measurement of radiation pattern:



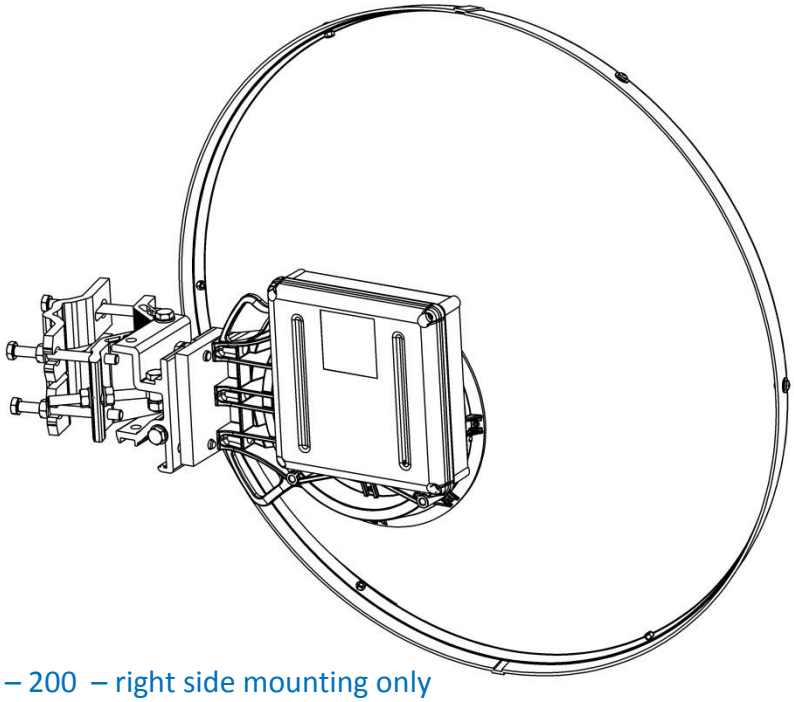


Outline:

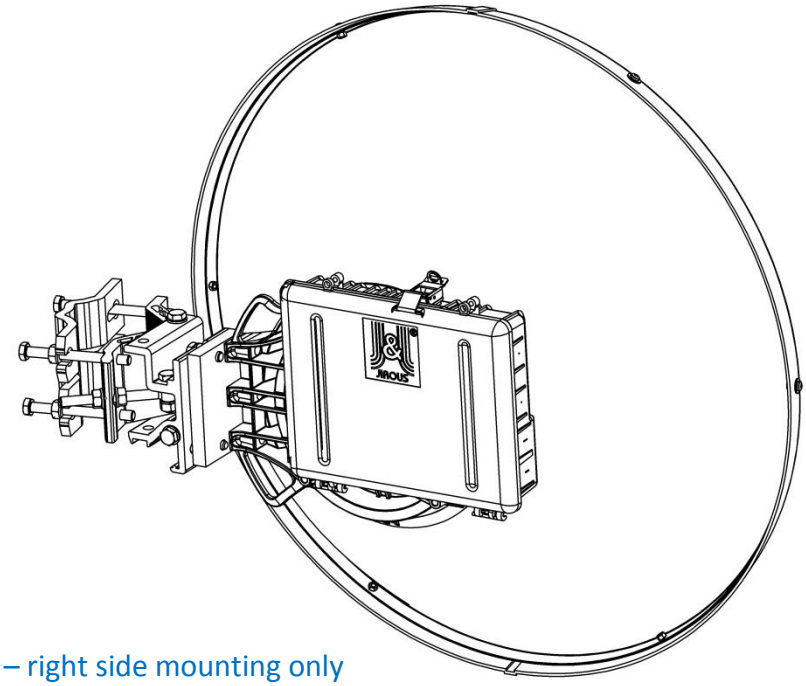




Accessories:

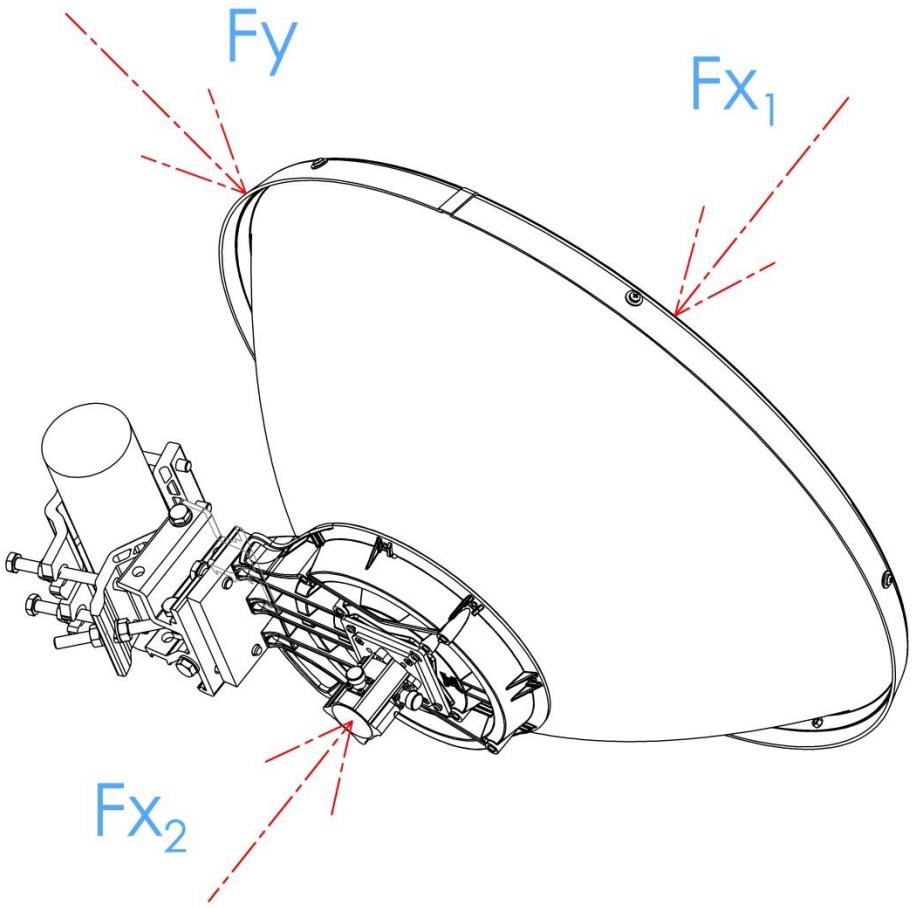


Outdoor plastic box JR – 200 – right side mounting only



Metal box JR – 250 Alu – right side mounting only

Wind loading:



Wind Loading at 200 km/h [125 mph]

Direction	Force [N]	Force [lbf]
Fx_1	707	159
Fx_2	792	178
Fy	71	16