Parabolic antenna JRC-24DD DuplEX Precision

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Dual-polarized parabolic antenna **JRC-24DD DuplEX Precision** is designed for directional links with **full-duplex mode** or MIMO mode at the frequency band 5 GHz with high isolation level. The antenna is designed 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 Precision version includes a **massive holder JDMW-900** developed for microwave links.

Other models: **JRC-24DD-SX DuplEX** – antenna with stainless steel holder for adverse corrosive conditions
JRC-24DD DuplEX – standard deep dish DuplEX antenna

Electrical parameters:

Frequency range	4.9 – 6.1 GHz
Gain	24.5 ± 1 dBi
VSWR 5.1 – 5.9 GHz	≤ 1.6
Beamwidth -3 dB	9.0˚
Port to port isolation 5.1 – 5.9 GHz	≥ 50 dB (typ. 53 dB) (rest of the freq. range ≥ 43 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
Weight of antenna	2.4 kg (5.3 lbs.)
of holder	2.4 kg (5.3 lbs.)
Shipping dimensions	480 x 475 x 305 mm / 6.4 kg (14.1 lbs.)

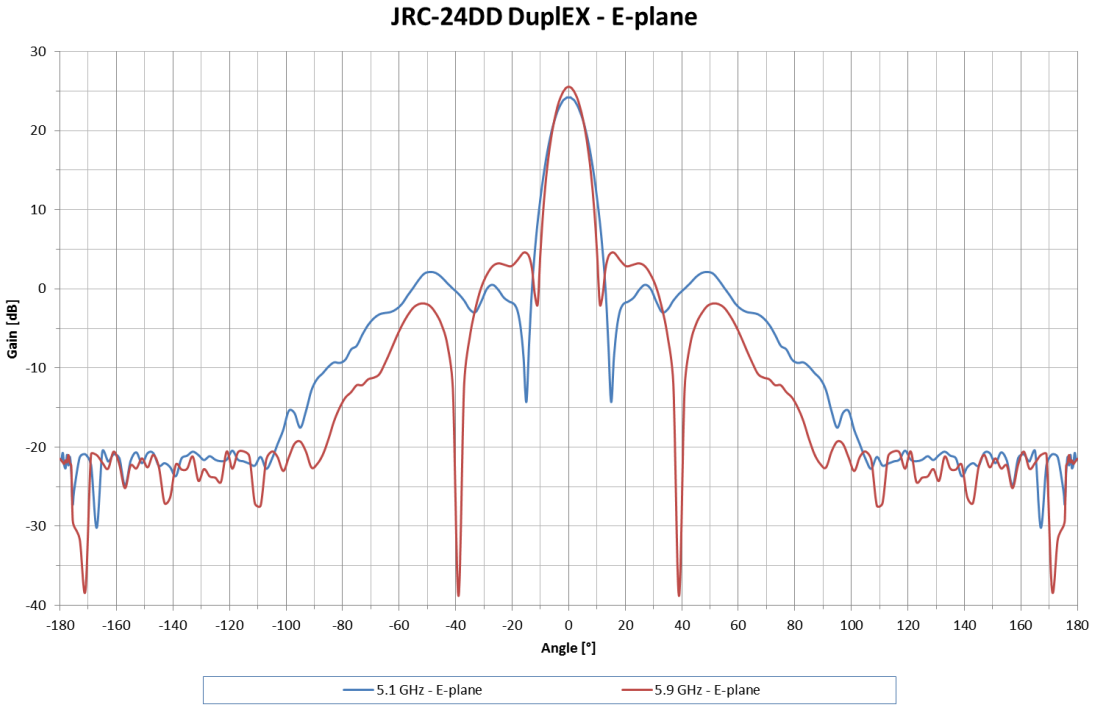
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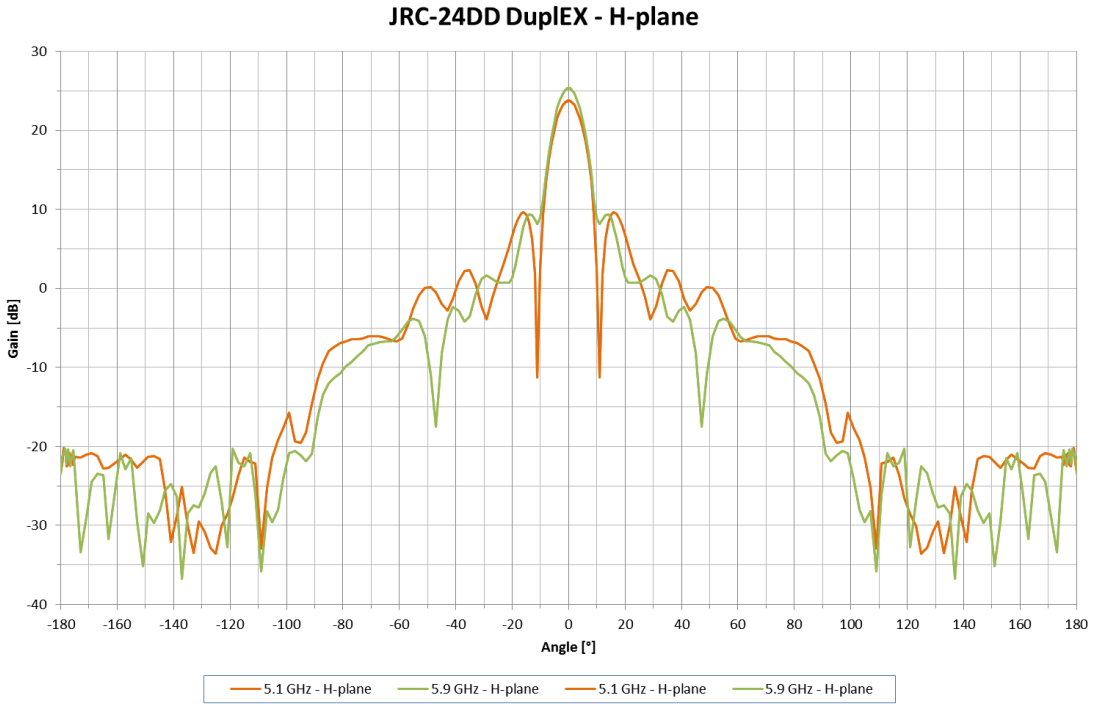
Usage:

The antenna can be used in combination with the outdoor metal box JR – 350 Alu for AP, RouterBOARDs and other electronics. 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.

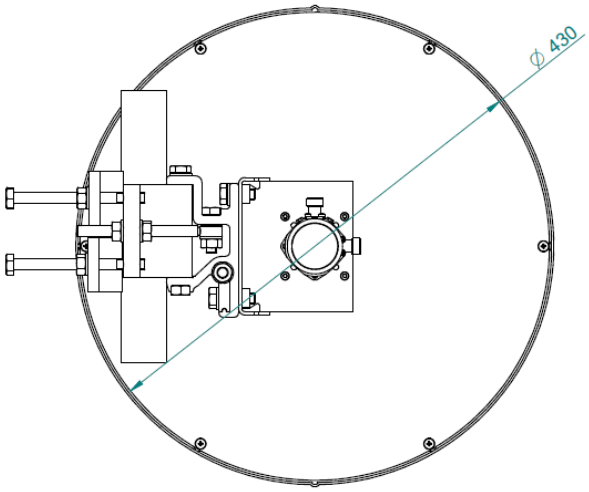
Measurement of radiation pattern:

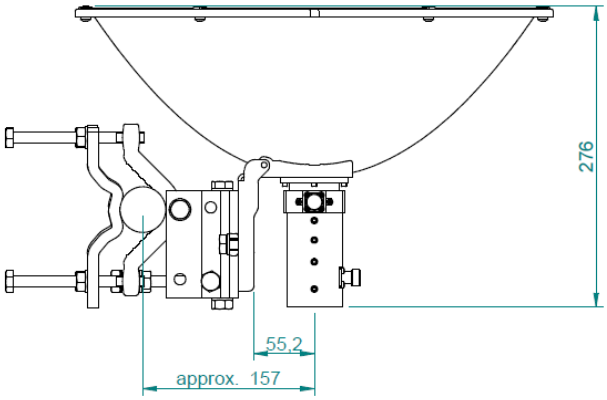


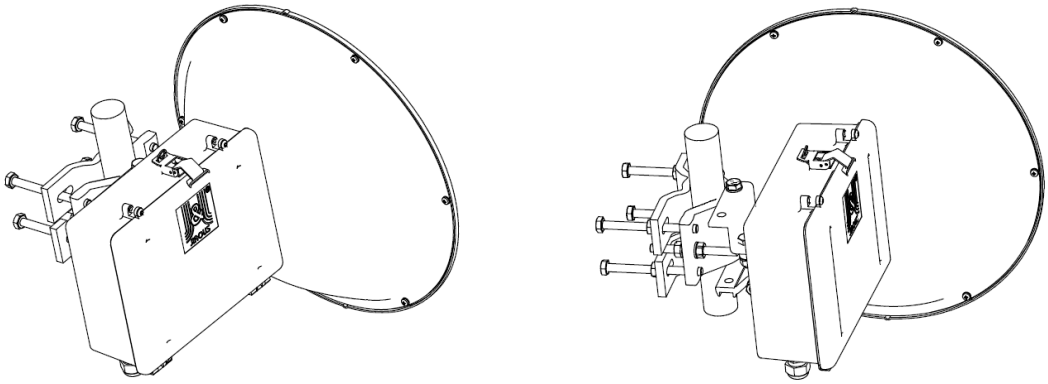


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Outline:

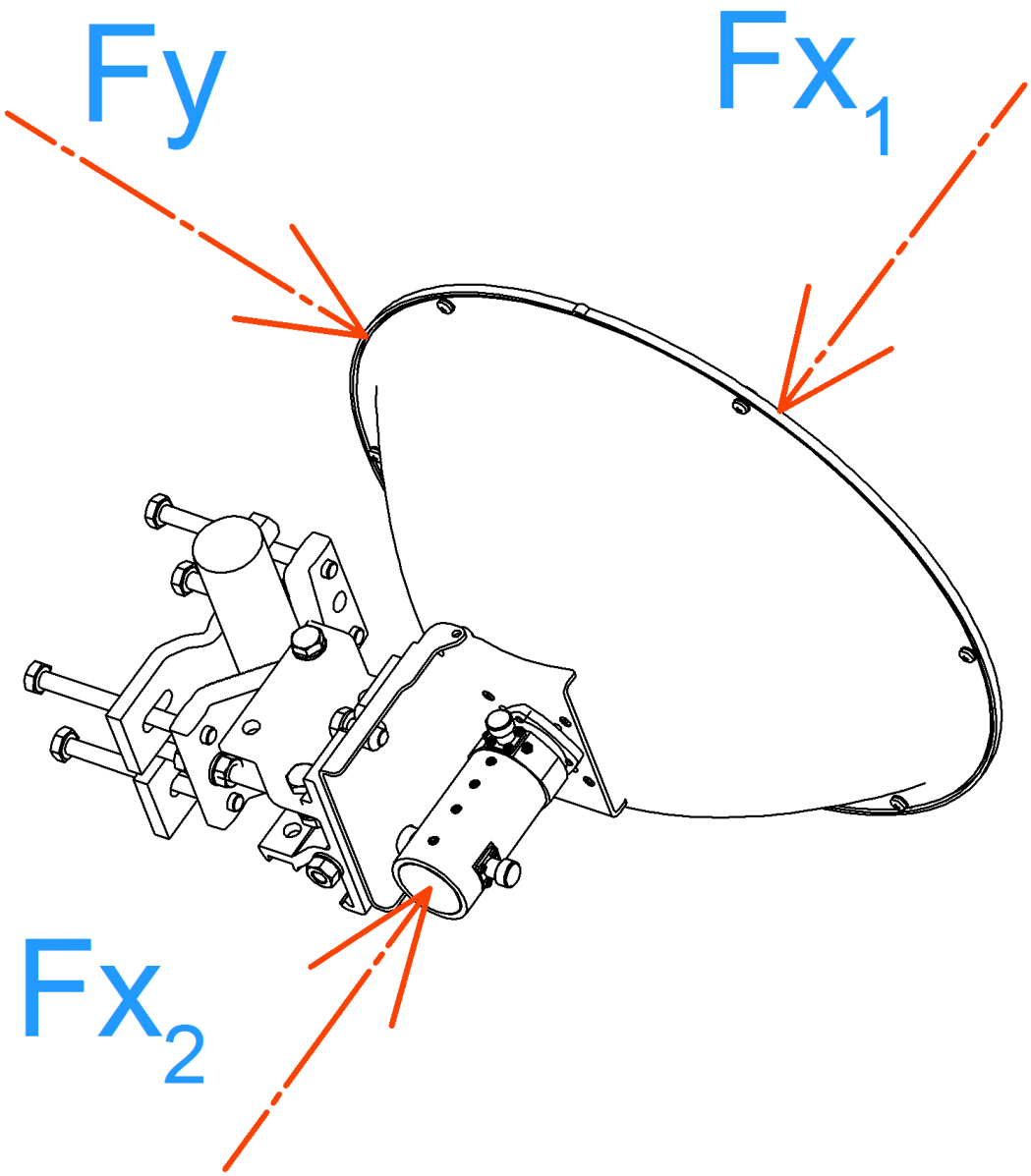






Accessories: outdoor metal box JR – 350 Alu – right side mounting only, polarization 45° not possible

Wind loading:



Wind Loading at 200 km/h (125mph)		
Direction	Force [N]	Force [lbf]
Fx1	344	77,3
Fx2	313	70,3
Fy	17	4