

## Parabolic antenna JRC-32DD DupLEX Precision

Dual-polarized parabolic antenna **JRC-32 Deep Dish DupLEX Precision** is designed for directional links with **full-duplex mode** or MIMO mode duplex mode at the frequency band 5 GHz with high isolation level. The antenna is designed for long distances. **Its design with deep dish increases isolation among antennas on a mast increases front to back ratio.** The Precision version includes a **massive holder JDMW-900** developed for microwave links.

### Electrical parameters:

<b>Frequency range</b>	4.9 – 6.1 GHz
<b>Gain</b>	32.1 ± 1 dBi
<b>VSWR</b> 5.1-5.9 GHz	≤ 1.6
<b>Beamwidth</b> -3 dB	4.3°
<b>Port to port isolation</b> 5.1-5.9 GHz	≥ 50 dB (typ. 53 dB) (rest of the freq. range ≥ 43 dB)
<b>Front to Back ratio</b>	≥ 52 dB
<b>Polarization</b>	Linear, vertical/horizontal or 45°

### Mechanical parameters:

<b>Parabola</b>	Ø 900 mm, Aluminium alloy
<b>Radome</b>	UV steady plastic ABS
<b>Type of connector</b>	N-female, R-SMA
<b>Installation for mast</b>	Ø 40 - 120 mm
<b>Weight of antenna</b>	8.4 kg (18.5 lbs.)
<b>of holder</b>	3.2 kg (7.0 lbs.)
<b>Shipping dimensions</b>	1000 x 990 x 430 mm / 18.2kg (40.1 lbs.)

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### Usage:

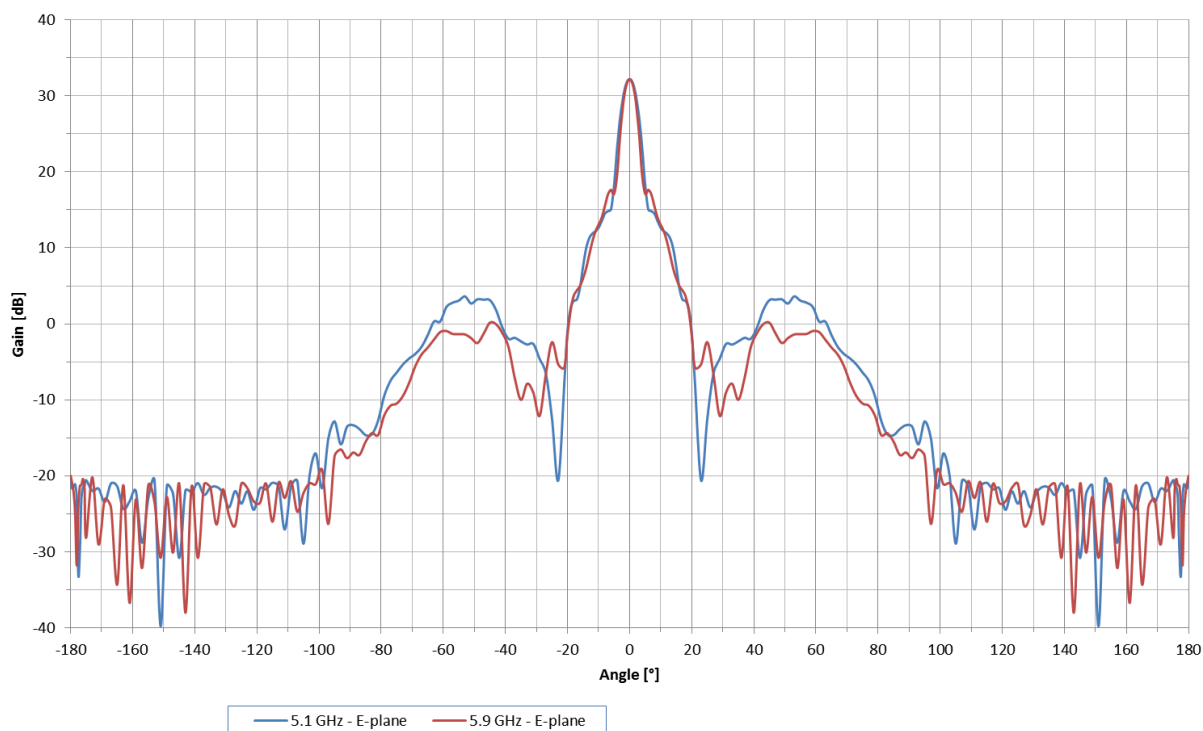
The antenna can be used in combination with an outdoor metal box JR – 350 Alu for AP, RouterBOARDS and other electronics. Mount the antenna has separate latching nuts for easy mounting and adjustment of the azimuth and elevation. Right and left side mounting is possible.

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.

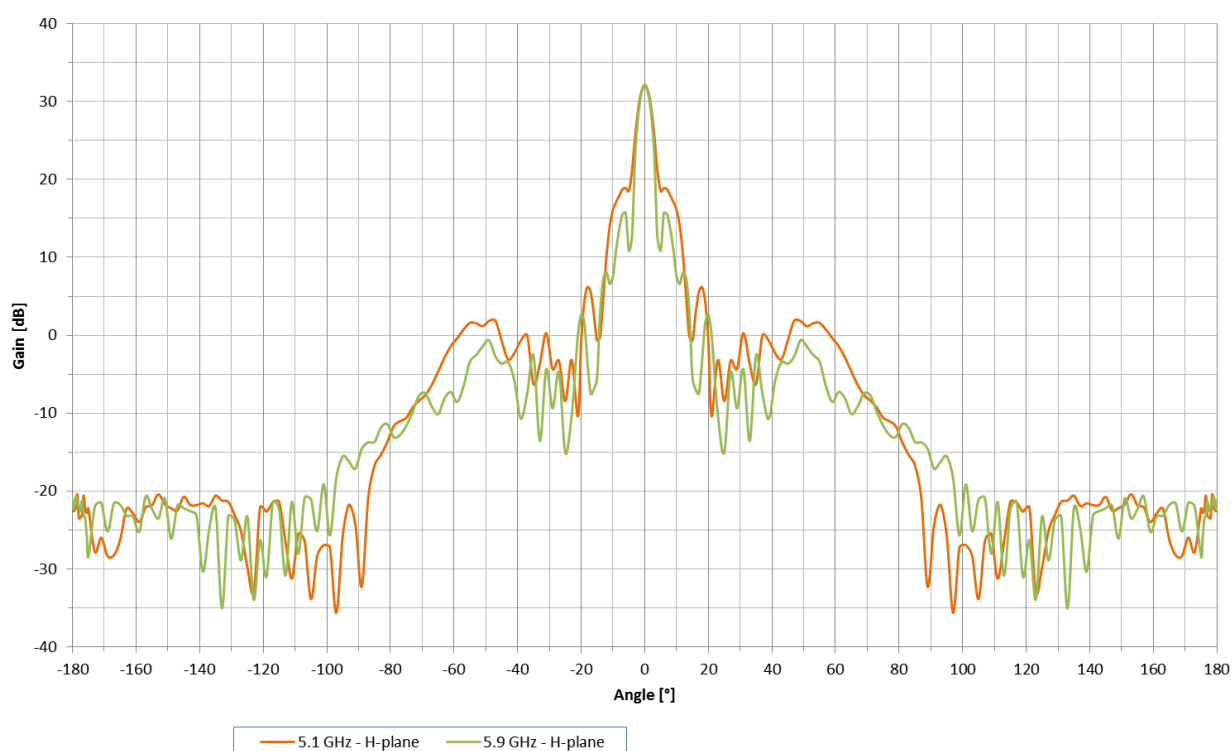
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## Measurement of radiation pattern:

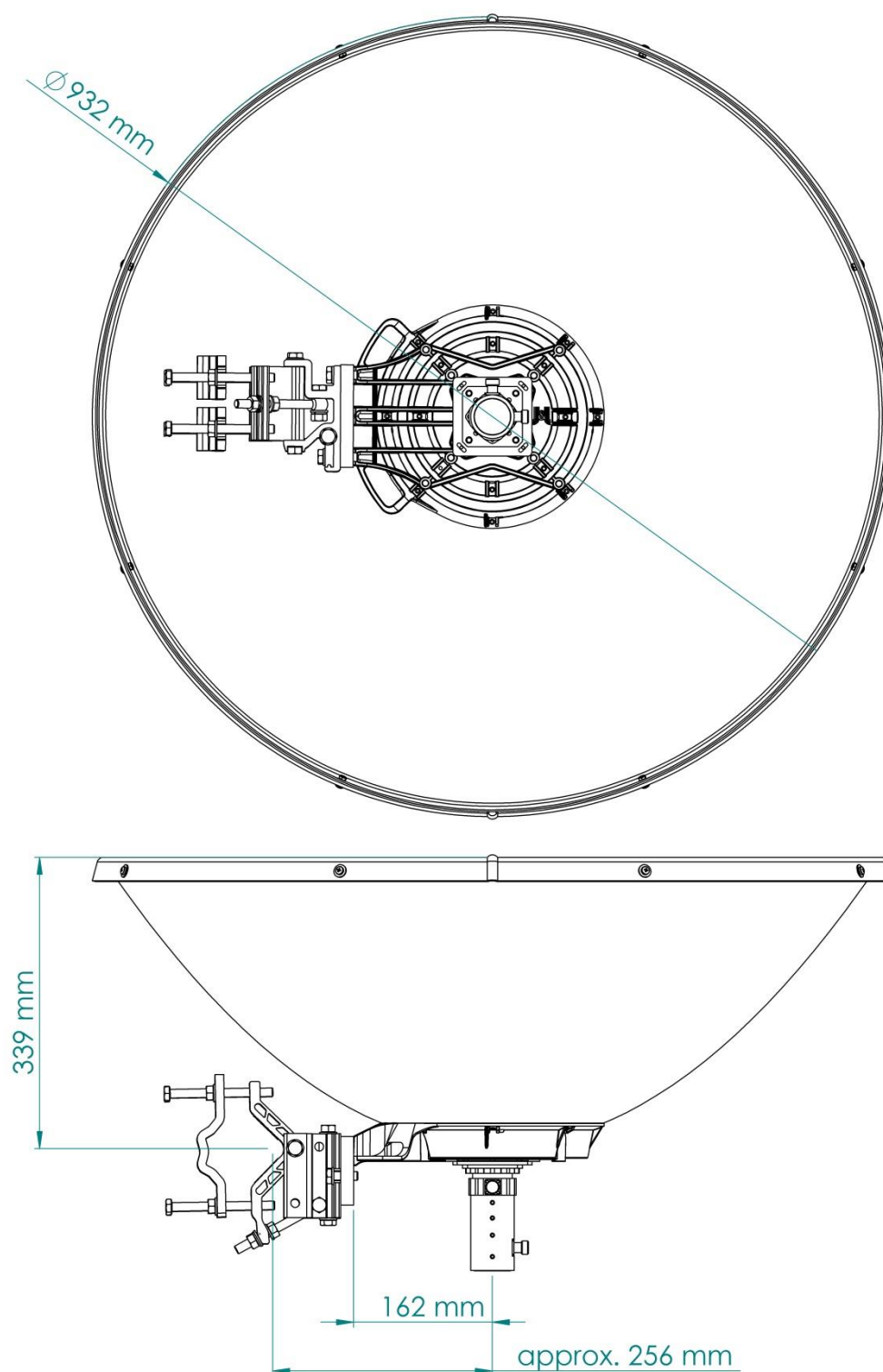
JRC-32DD DupLEX Precision - E-plane



JRC-32DD DupLEX Precision - H-plane

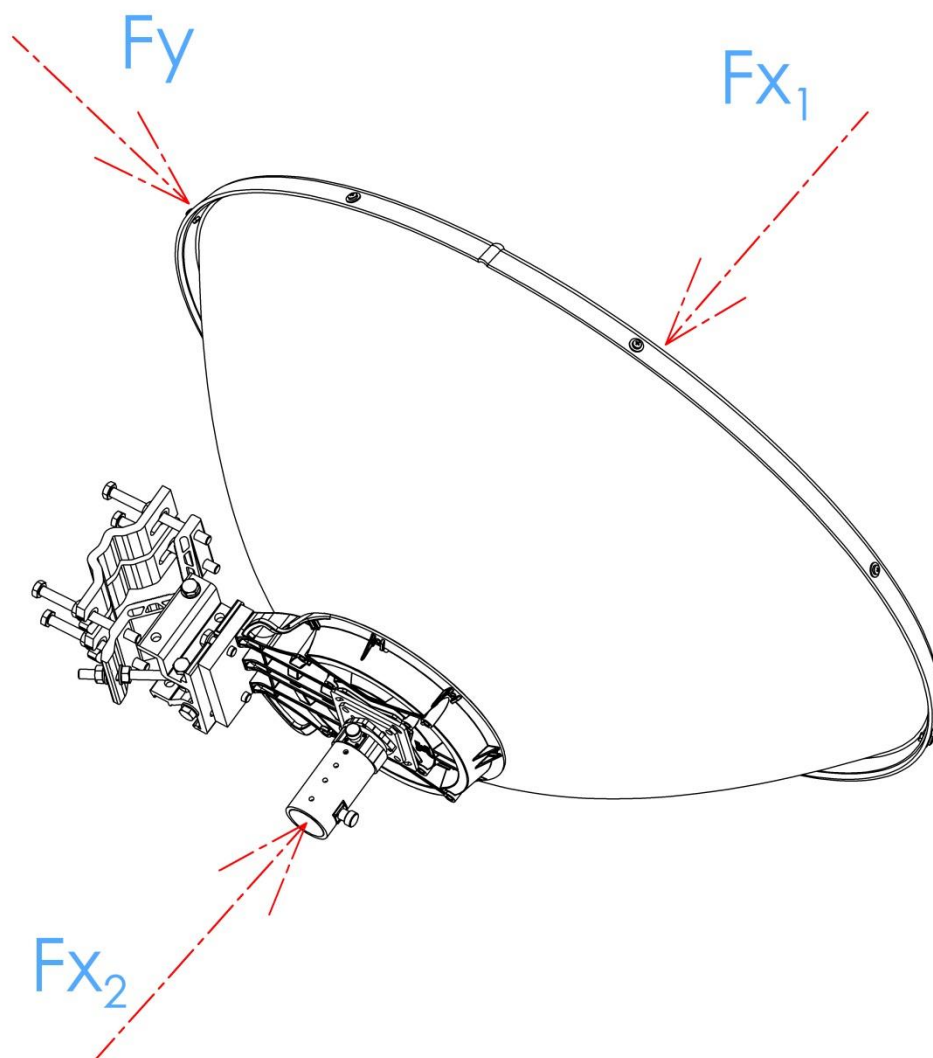


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### Wind loading:



### Wind Loading at 200 km/h [125 mph]

Direction	Force [N]	Force [lbf]
$F_{x_1}$	1443	324,4
$F_{x_2}$	1324	297,4
$F_y$	91	20,4