# Parabolic antenna JRC-35DD MIMO Precision

www.jirous.com

Dual-polarized parabolic antenna **JRC-35 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 very long or 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.**

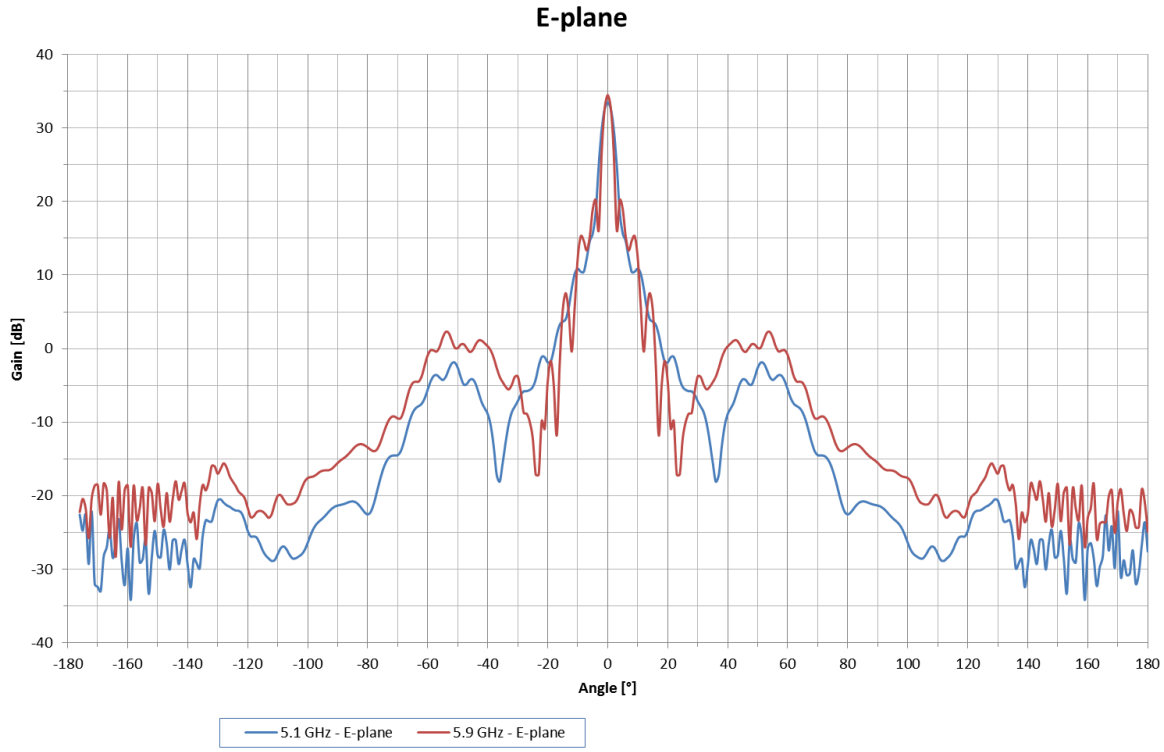
## Electrical parameters:

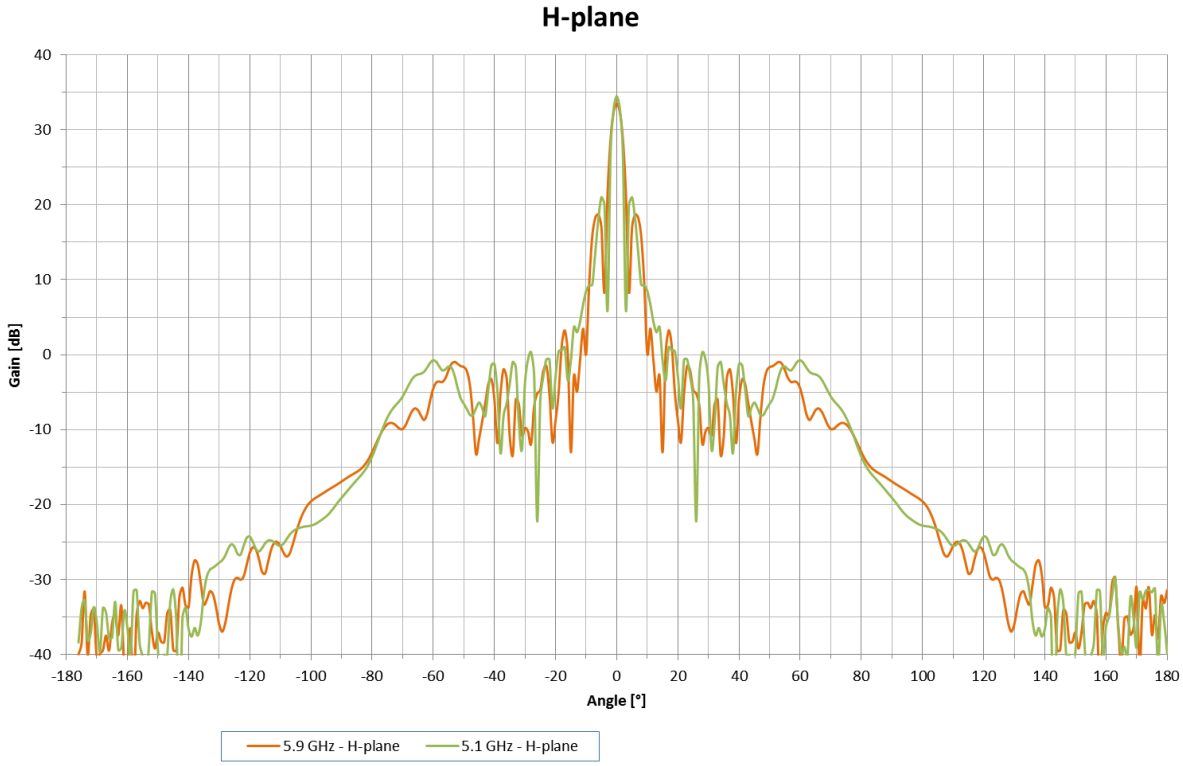
| | |
|---|---|
| **Frequency range** | 4.9 – 6.4 GHz |
| **Gain** | 35 ± 1 dBi |
| **VSWR** 5.1 – 5.9 GHz | ≤ 1.4 |
| **Beamwidth** -3 dB | 3.1˚ |
| **Port to port isolation** 5.1 – 5.9 GHz | 26 dB |
| **Front to Back ratio** | ≥ 53 dB |
| **Polarization** | Linear, vertical/horizontal or 45° |

## Mechanical parameters:

| | |
|---|---|
| **Parabola** | Ø 1200 mm, Aluminium alloy |
| **Radome** | UV steady plastic ABS |
| **Type of connector** | N-female, R-SMA |
| **Installation for mast** | Ø 80 - 120 mm |
| | Ø 60 - 80 mm with adjustable wind bracing set |
| **Operating wind load** | 110 km/h (68 mph) without wind bracing set |
| | 140 km/h (87 mph) with wind bracing set |
| **Survival wind load** | 210 km/h (131 mph) |
| **Weight of antenna** | 38.7 kg (85.3 lbs.) |
| **of holder** | 14.9 kg (32.9 lbs.) |
| **Shipping dimensions – 1pc** | 1310 x 740 x 1440 mm/70.3 kg (155 lbs.) |
| **Shipping dimensions – 2pcs** | 1310 x 1100 x 1440 mm/109 kg (240 lbs.) |

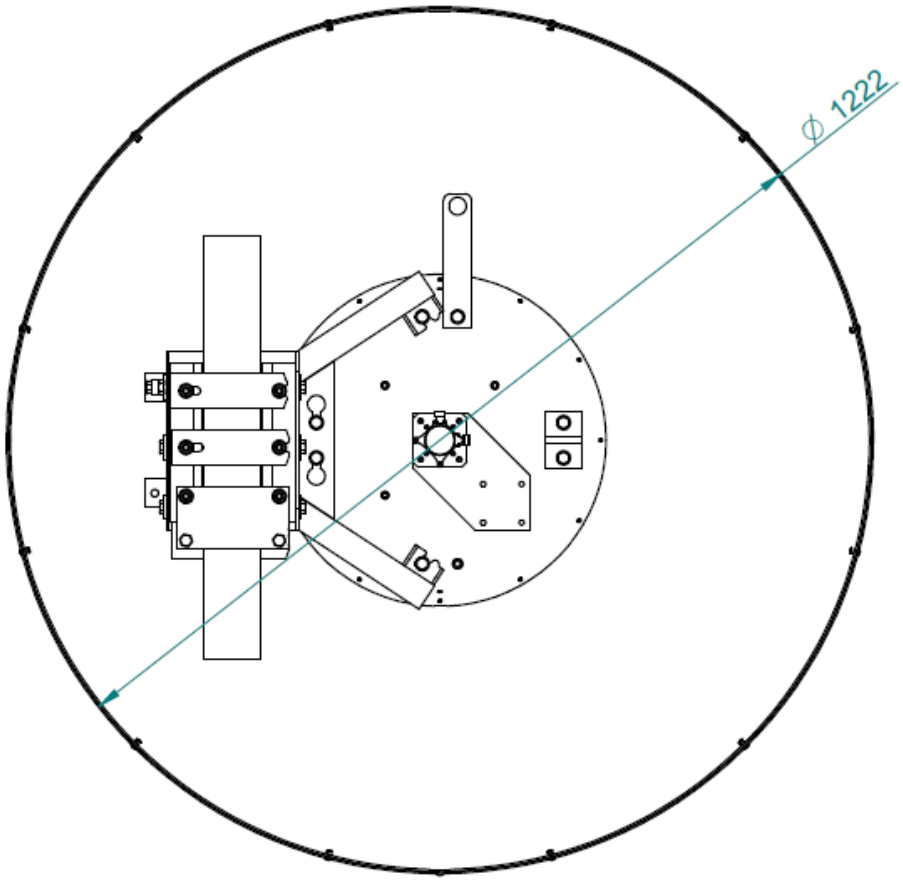
## Simulation of radiation pattern:

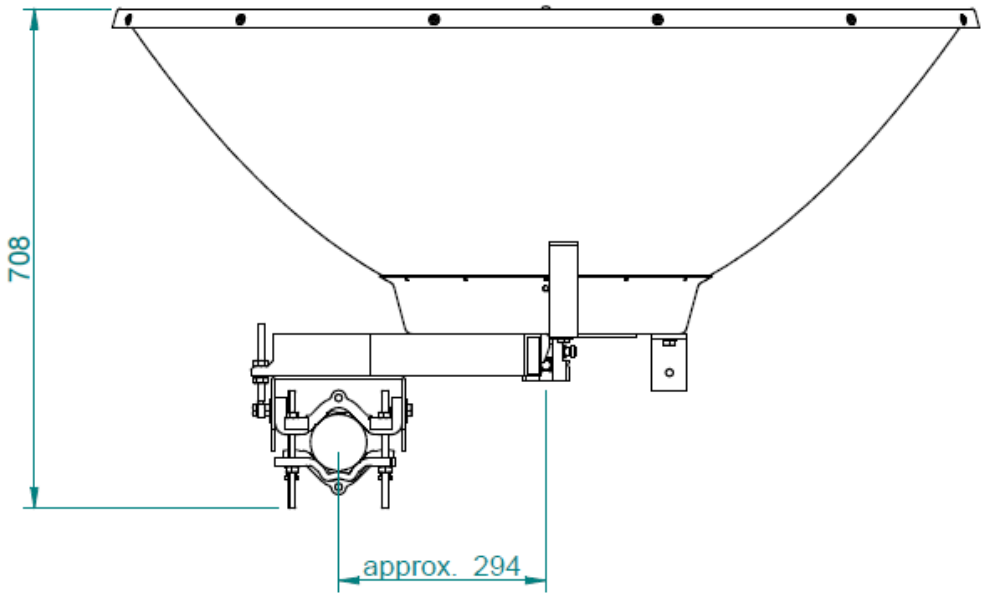


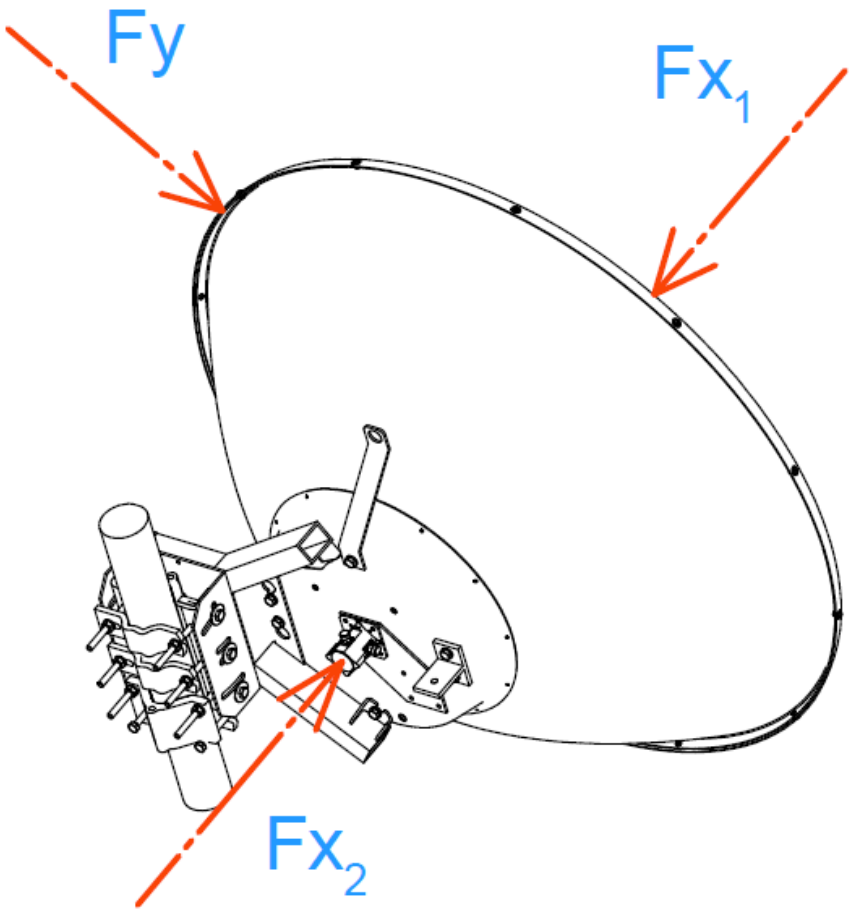
# Parabolic antenna JRC-35DD MIMO Precision

## Outline:



## Wind loading:




| Wind Loading at 250 km/h (125 mph) | | |
|---|---|---|
| Direction | Force [N] | Force [lbf] |
| Fx1 | 2696 | 606 |
| Fx2 | 2186 | 491.4 |
| Fy | 247 | 54.1 |