

## Parabolic antenna JRC-35DD MIMO PriS

Dual-polarized parabolic antenna **JRC-35 Deep Dish MIMO PriS** is designed for links with dual-polarized **PrismStation radio units** 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.**

Other models: **JRC-35DD MIMO Precision** – standard deep dish MIMO antenna

### Electrical parameters:

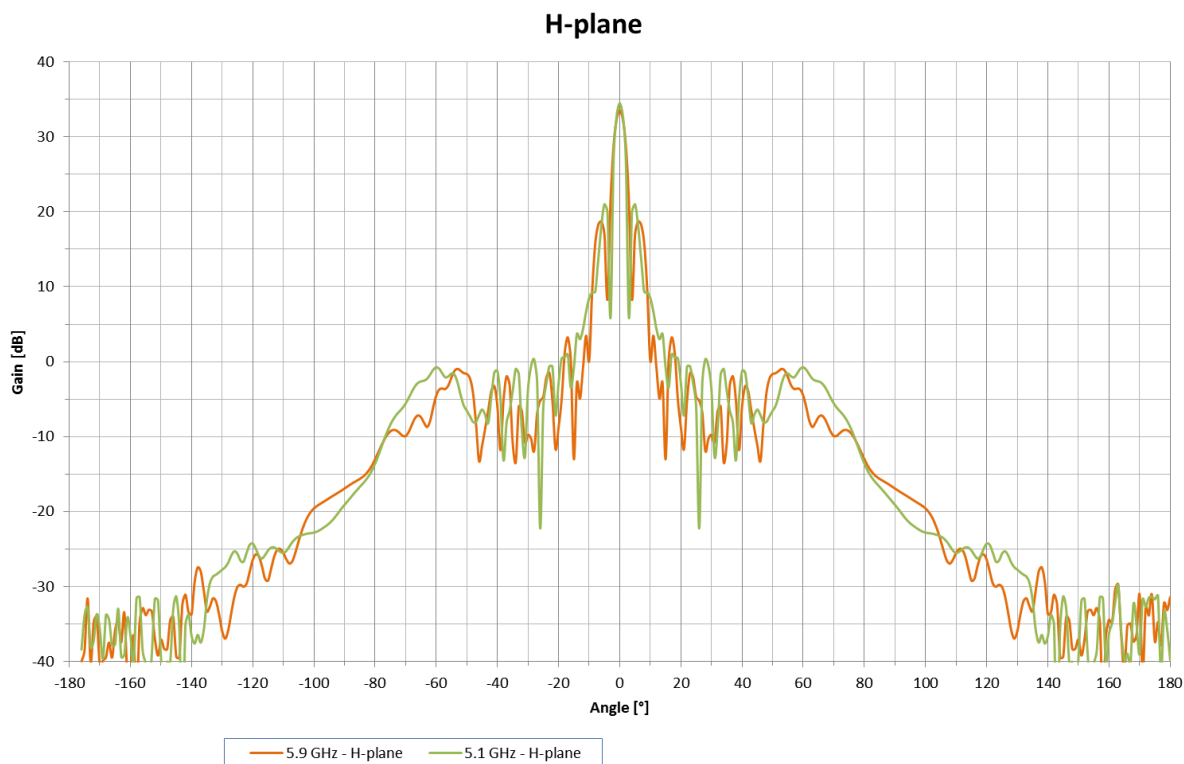
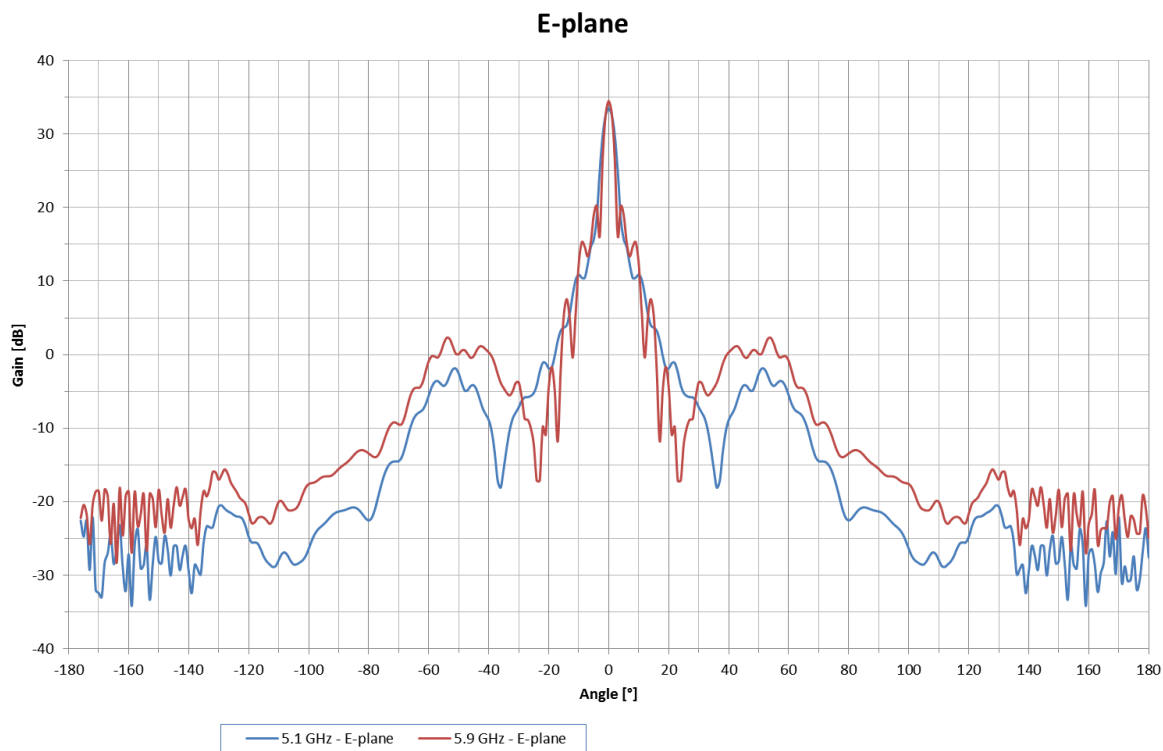
<b>Frequency range</b>	4.9 – 6.4 GHz
<b>Gain</b>	35.0 ± 1 dBi
<b>VSWR</b> <sub>5.1 – 5.9 GHz</sub>	≤ 1.3
<b>Beamwidth</b> <sub>-3 dB</sub>	3.1°
<b>Front to Back ratio</b>	≥ 53 dB
<b>Polarization</b>	Determined by radio unit

### Mechanical parameters:

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

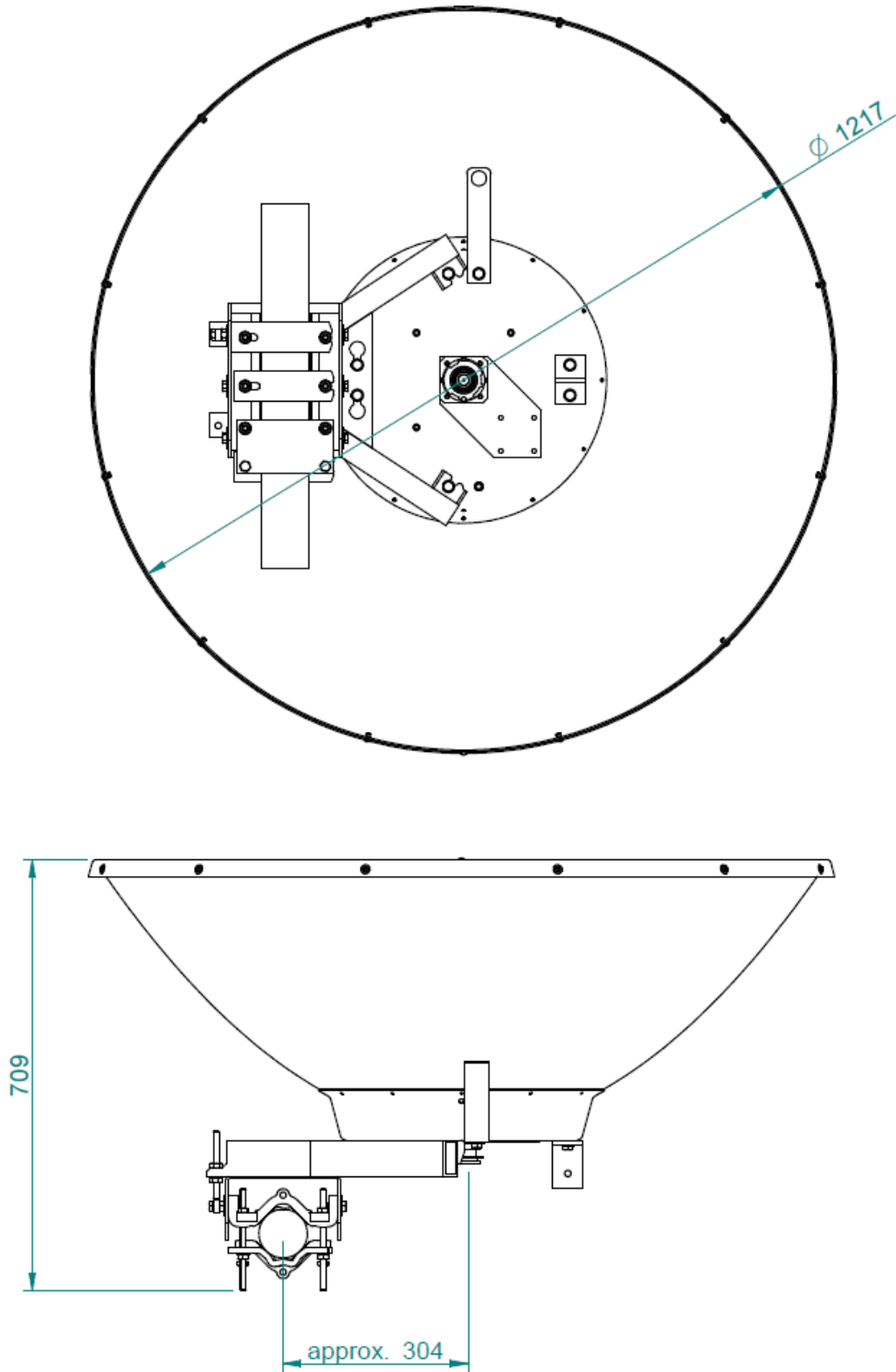
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## Simulation of radiation pattern:



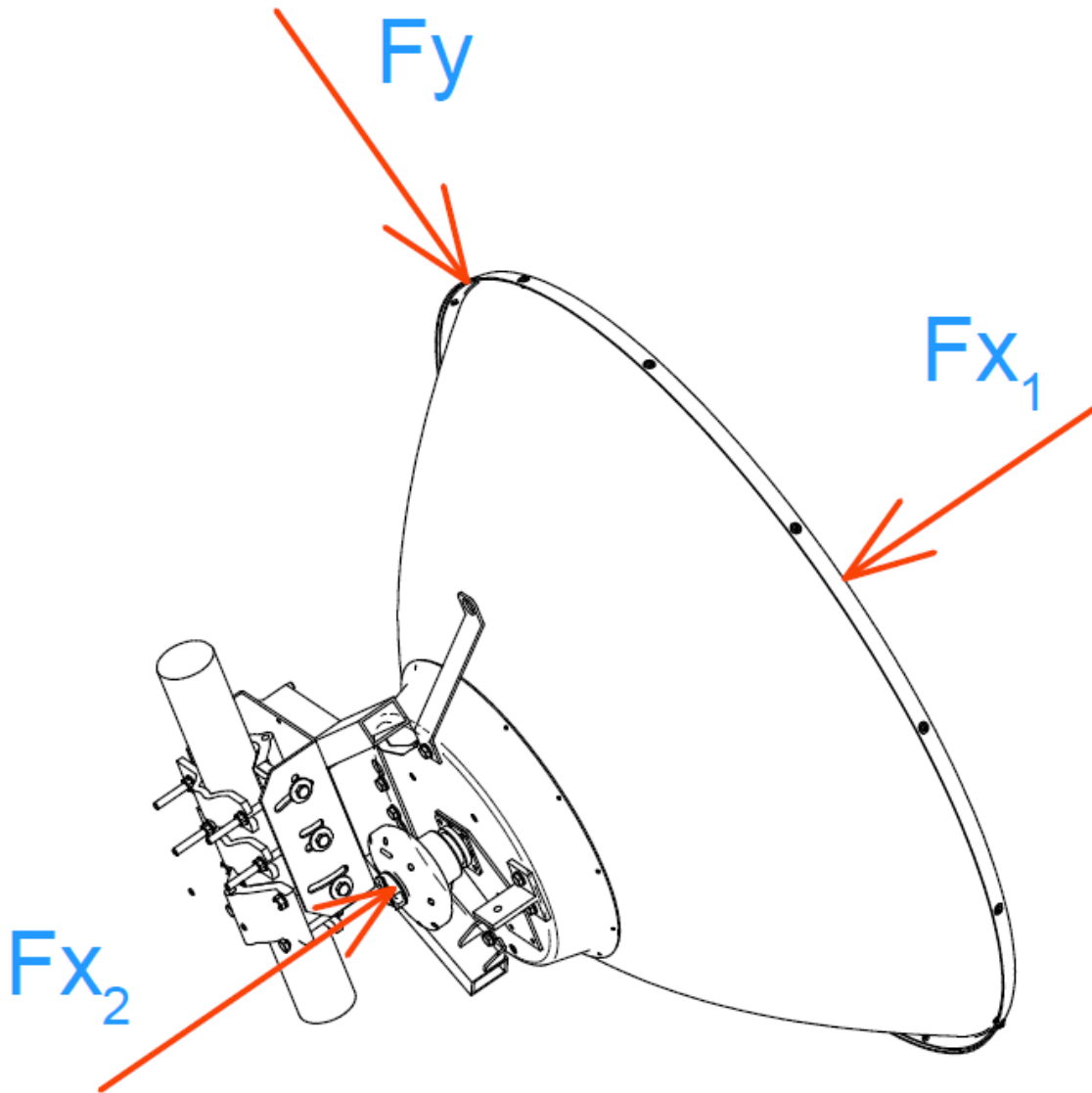
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### Outline:



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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