

## Parabolic antenna JRA-25DD MIMO Precision

Dual-polarized parabolic antenna **JRA-25 Deep Dish MIMO Precision** is designed for directional links with MIMO mode at the frequency band 2,4 GHz. The antenna is designed for environments with multiple reflections for long distances. **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.

### Electrical parameters:

<b>Frequency range</b>	2.3 – 2.7 GHz
<b>Gain</b>	25 ± 1 dBi
<b>Cable loss</b>	0,75 dB
<b>VSWR</b> 2.4 – 2.5 GHz	≤ 1.4 (rest of freq. range ≤ 1.6)
<b>Beamwidth</b> -3 dB	10°
<b>Front to Back ratio</b>	≥ 41 dB
<b>Polarization</b>	Linear, vertical/horizontal or 2x45°
<b>Fine setting polarization</b>	± 5°

### Mechanical parameters:

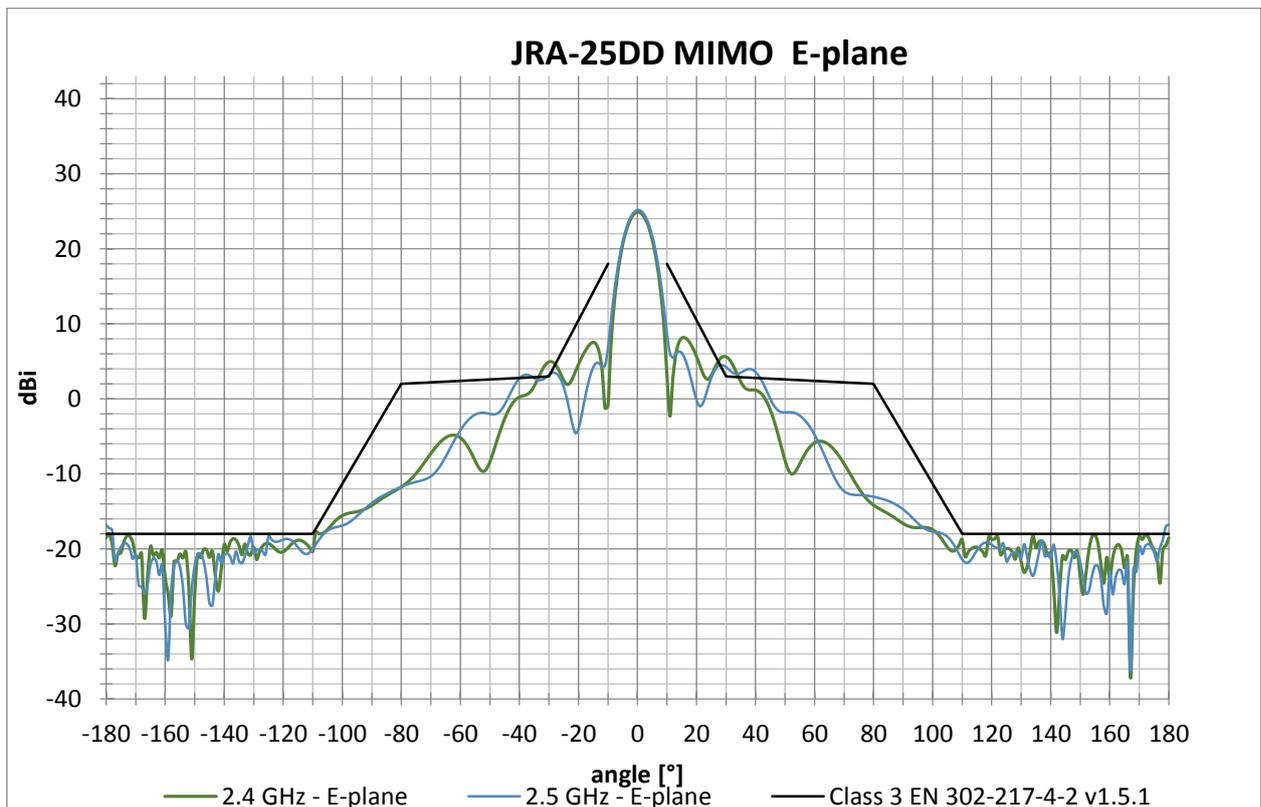
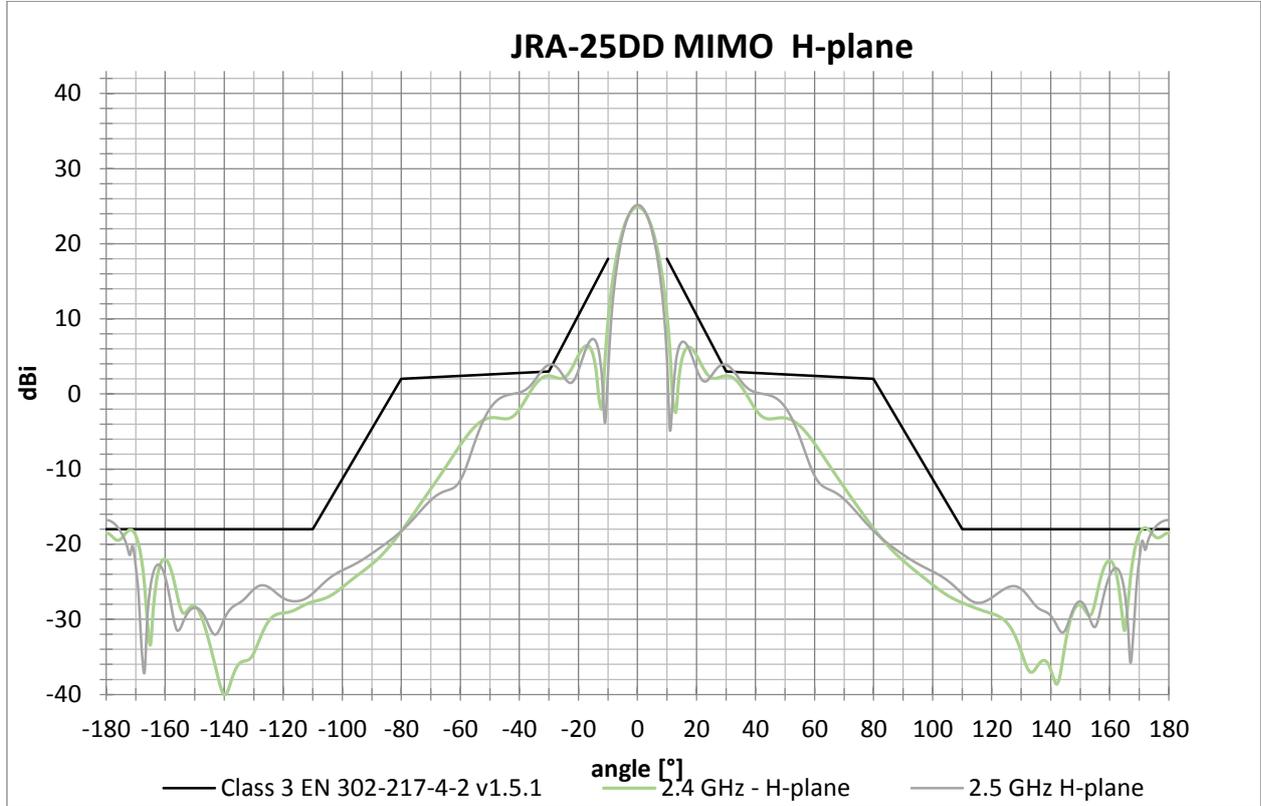
<b>Parabola</b>	Ø 900 mm, Aluminium alloy
<b>Radome</b>	UV steady plastic ABS
<b>Type of connector</b>	R-SMA on cable
<b>Installation for mast</b>	Ø 40 - 120 mm
<b>Operating wind load</b>	140 km/h (87 mph)
<b>Survival wind load</b>	210 km/h (130 mph)
<b>Weight of antenna</b>	8.2 kg (18.1 lbs.)
<b>of holder</b>	3.2 kg (7.0 lbs.)
<b>Shipping dimensions</b>	1000 x 990 x 430 mm / 18 kg (39.7 lbs.)

The antenna can be used in combination with holder **GentleCLIP** for easy installation of devices with the clipped system. Mount the antenna has separate latching nuts for easy mounting and adjustment of the azimuth and elevation.

The antenna is supplied with a holder that allows easy mounting on a mast. The holder can be installed separately on the mast. Subsequently, you can simply hang up the antenna 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.

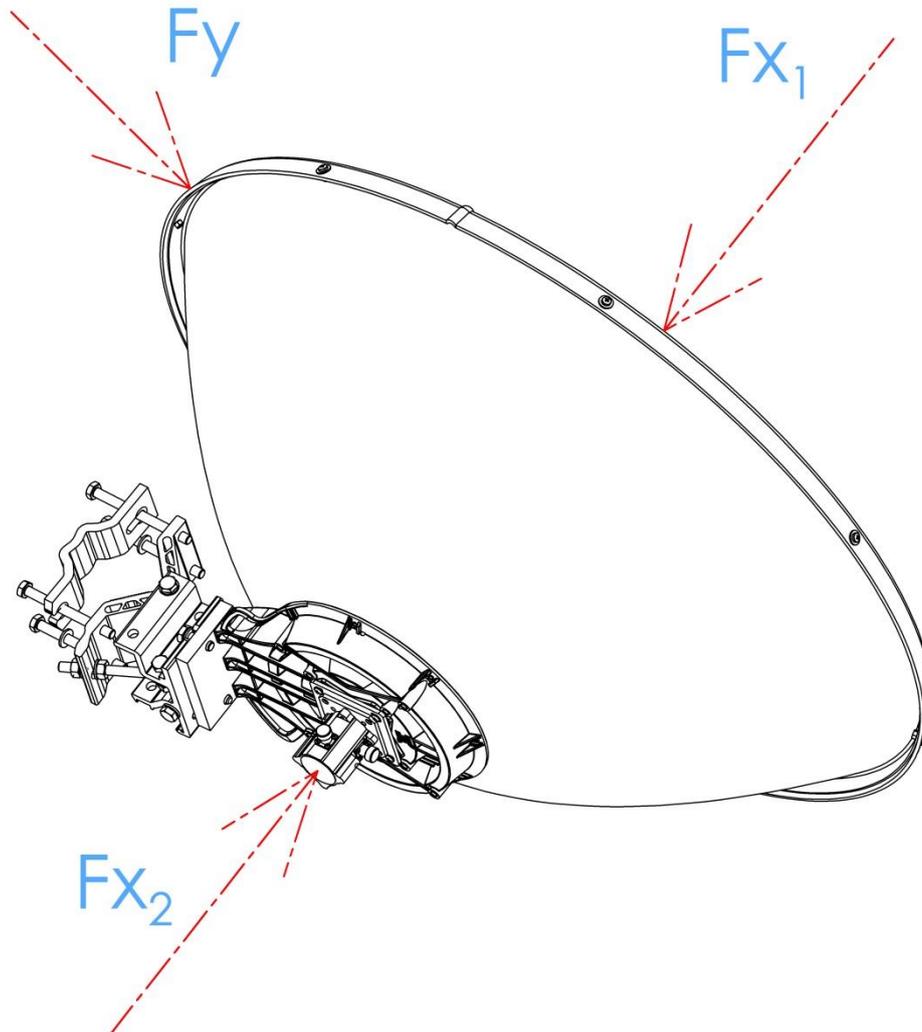
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## Radiation pattern:



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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