Parabolic antenna JRC-38DD MIMO MimX

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Dual-polarized parabolic antenna **JRC-38 Deep Dish MIMO MimX** is designed for links with dual-polarized **C5x, B5x and C6x radio units** at the frequency band 5/6 GHz. The antenna is designed for environments with multiple reflections for long and extra long 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:

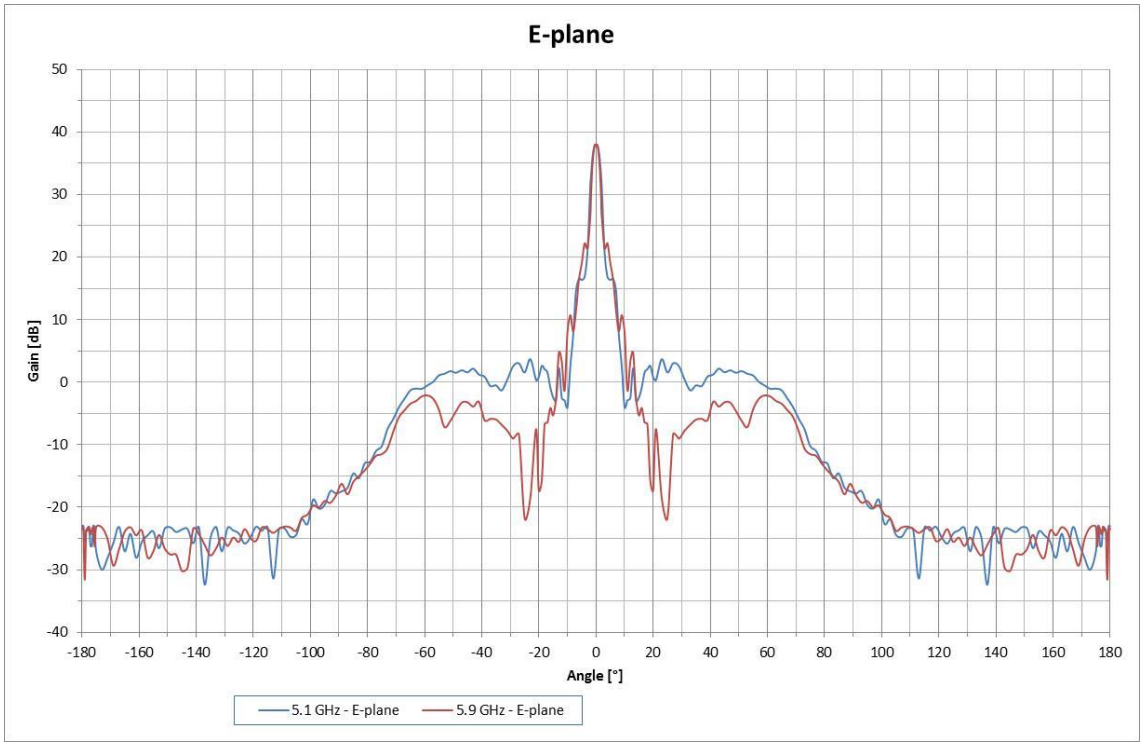
Frequency range	4.9 – 6.4 GHz
Gain	38.0 ± 1 dBi
VSWR 5.1 – 5.9 GHz	≤ 1.4
Beamwidth -3 dB	2.1˚
Front to Back ratio	≥ 60 dB
Polarization	Determined by radio unit

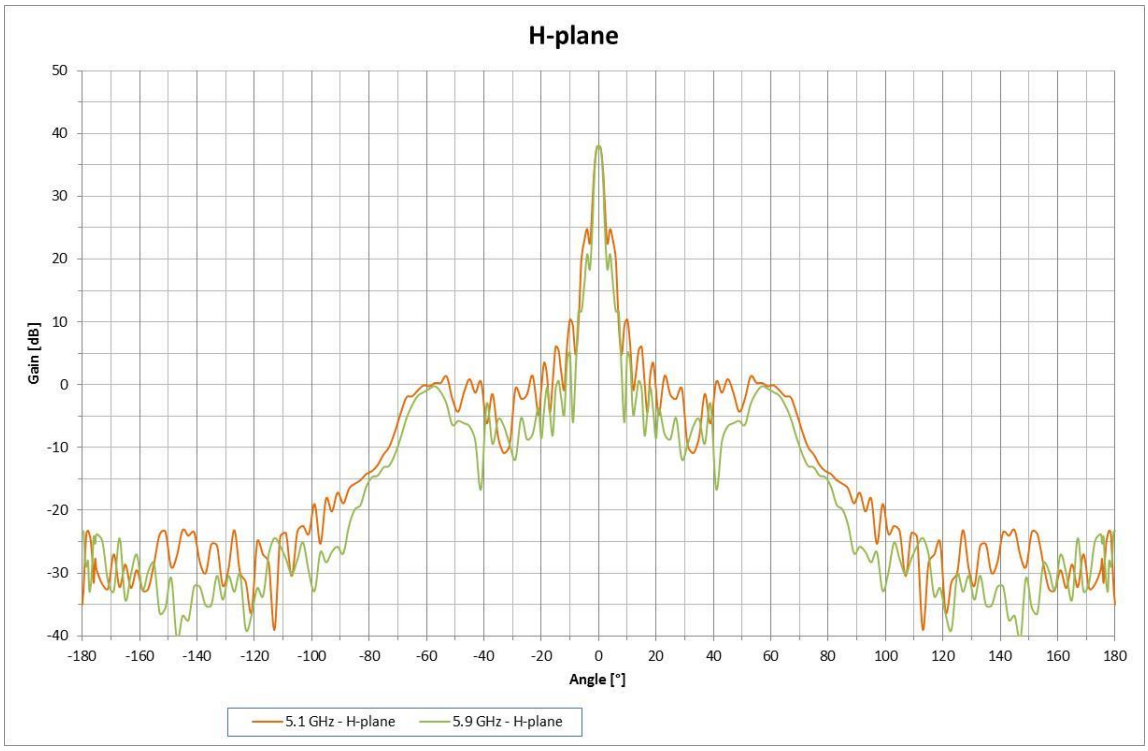
Mechanical parameters:

Parabola	Ø 1800 mm, Aluminium alloy
Radome	UV steady composite material
Connection	**Twist-on waveguide** for C5x, B5x, C6x
Installation for mast	Ø 70 - 120 mm
Operating wind load	140 km/h (87 mph)
Survival wind load	210 km/h (131 mph)
Weight of antenna	82 kg (180 lbs)
Shipping dimensions	1945 x 770 x 2050 mm / 140 kg 6’ 4.6” x 2’ 6.3” x 6’ 8.7” / 308.6 lbs

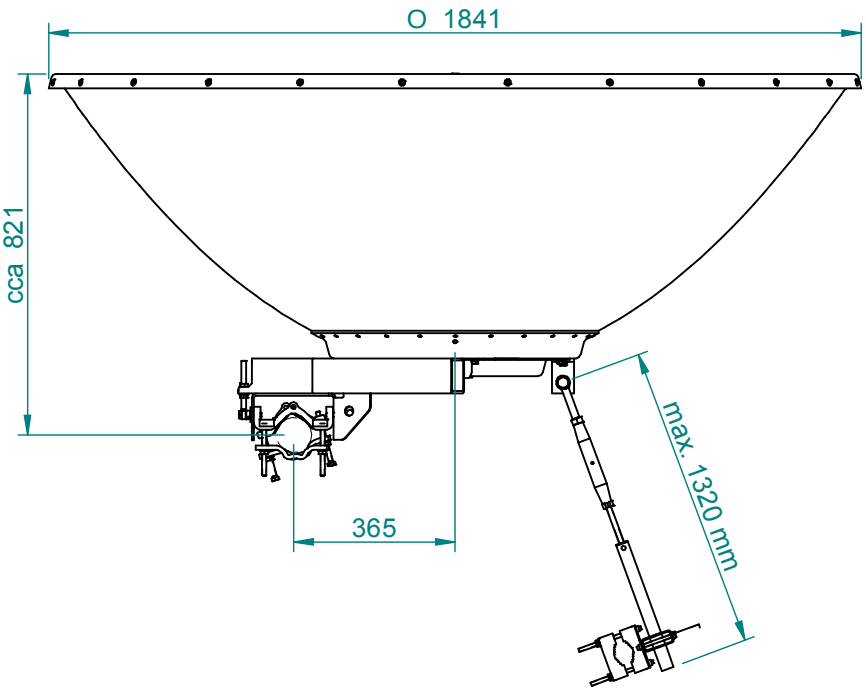
The antenna is supplied together with a massive holder that allows easy mounting on a mast. Holder can be installed separately on the mast. Subsequently, the antenna can be simply hung up into it.
Antenna holder allows fine setting of elevation ± 7°. Adjustable wind bracing set for fine setting of azimuth ± 7° is a part of antenna.
Ready for right and left side mounting.

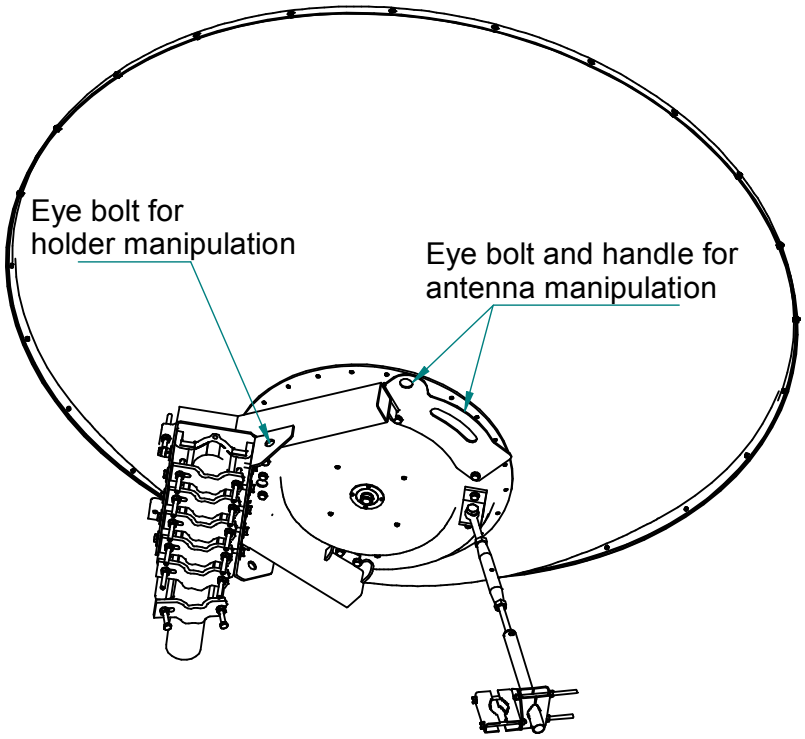
Measurement of radiation pattern:



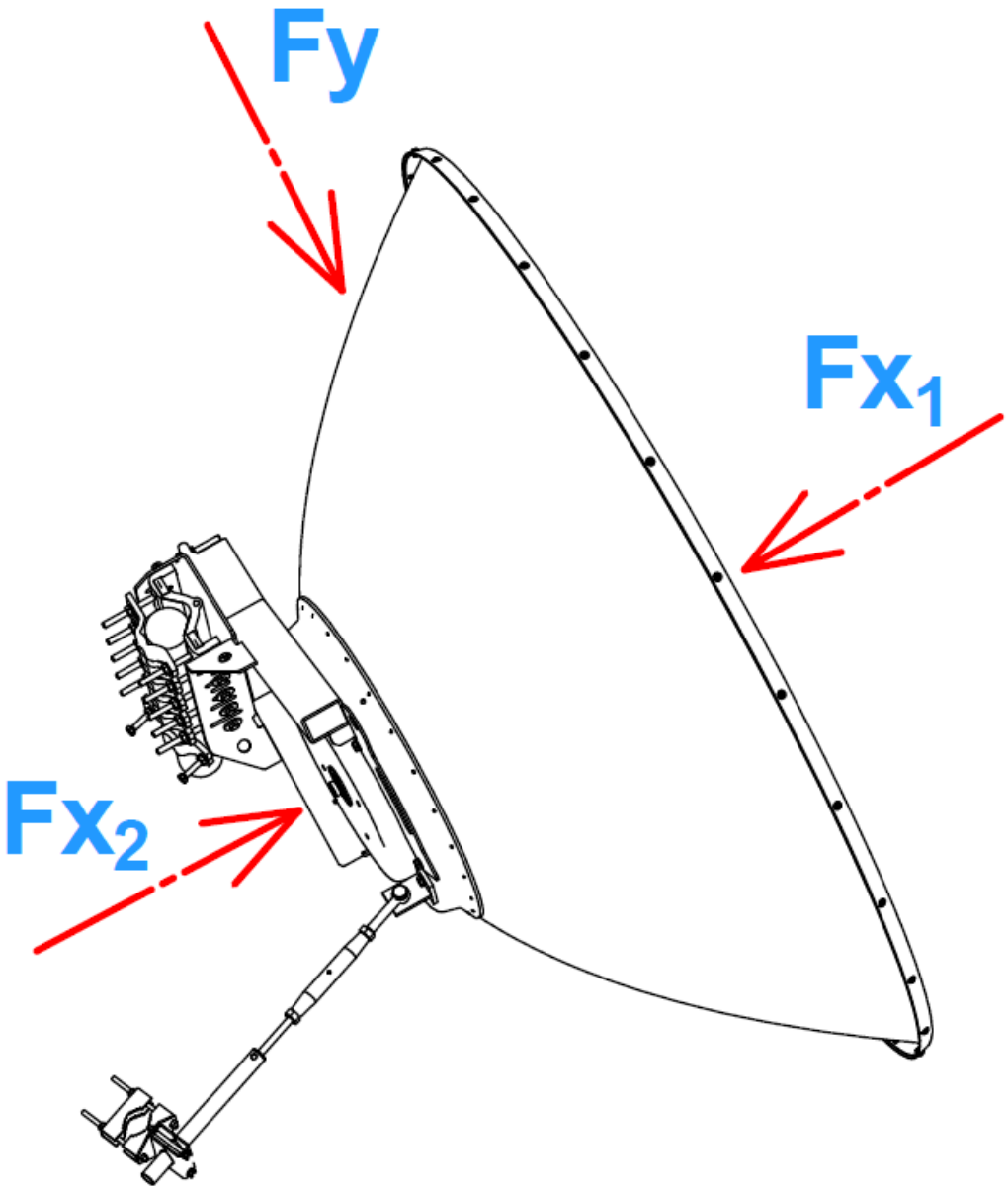


Outline:


O 1841
cca 821
max. 1320 mm
365


Eye bolt for
holder manipulation
Eye bolt and handle for
antenna manipulation

Wind loading:



Wind Loading 200 km/h [125 mph]		
Direction	Force [N]	Force [lbf]
Fx1	4424	994
Fx2	3394	763
Fy	672	151