

Antenna JRMD -900 - 10/11 is designed for microwave links at the frequency band 10 and 11 GHz. The new generation is coming in a deep reflector dish design with a massive holder.

Electrical parameters:

Frequency range 10.0 – 12.0 GHz

Gain – Low frequency $36.5 \pm 1 \text{ dBi}$

Gain – High frequency $37.0 \pm 1 \text{ dBi}$

Front to back ratio ≥ 57 dB

Beamwidth_{-3 dB} 2.3°

Polarization Linear, vertical/horizontal

Return loss (VSWR) $\geq 16 \text{ dB}_{/10.3-11.7 \text{ GHz}}$

US FCC Part 101A | 10.550 - 10.680 GHz

Electrical Compliance US FCC Part 101B | 10.7 – 11.7 GHz

Class 2 ETSI EN 302-217-4-2

Mechanical parameters:

Parabola Ø 900 mm , aluminium alloy

Radome UV steady plastic ABS

Input / output Circle waveguide Ø 19 mm

Installation for mast Ø 40 – 120 mm

Operating wind load 140 km/h (87 mph)

Survival wind load 210 km/h (130 mph)

Weight of antenna 9.4 kg (20.7 lbs.)

of holder 3.2 kg (7.1 lbs.)

Shipping dimensions

of antenna 990 x 990 x430 mm / 12.1 kg (26.7 lbs.)

of holder 180 x 170 x 165 mm / 3.5 kg (7.7 lbs.)



Usage:

- deep parabola for better parameters
- easy to assembly: first the holder and then the antenna only by 2 screws
- fine setting elevation (of gradient) and azimuth ± 20°
- extreme wind stability

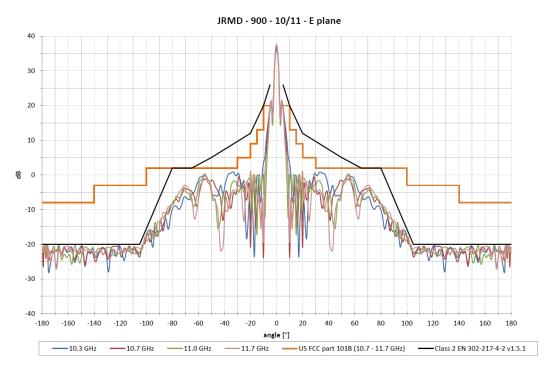
The antenna is supplied with a holder that allows easy mounting on a mast. The holder can be installed separately on the mast. Subsequently, you can simply hang up the antenna with microwave unit into it. The holder allows precise adjustment in both directions. Ready for right and left side mounting.

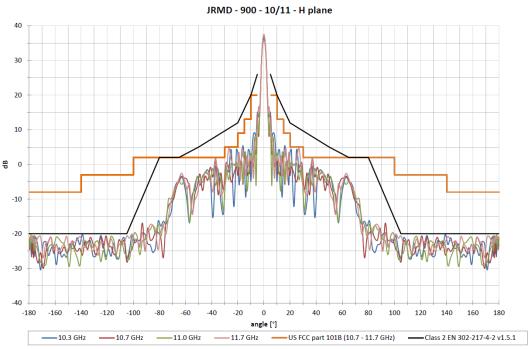
In the areas with the expected occurrence of the strong winds mounting on the mast with minimal ø 70 mm is recommended.

Contact: Jirous, spol. s r.o.



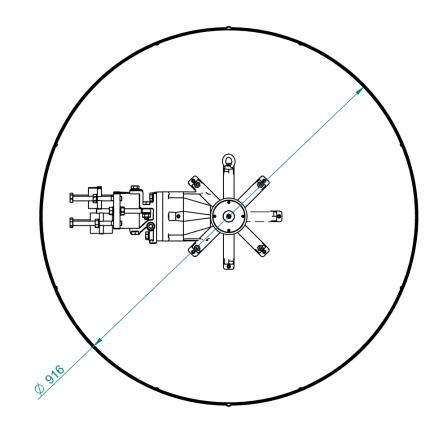
Measurement of radiation pattern:

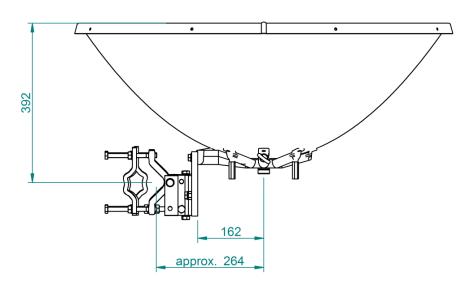






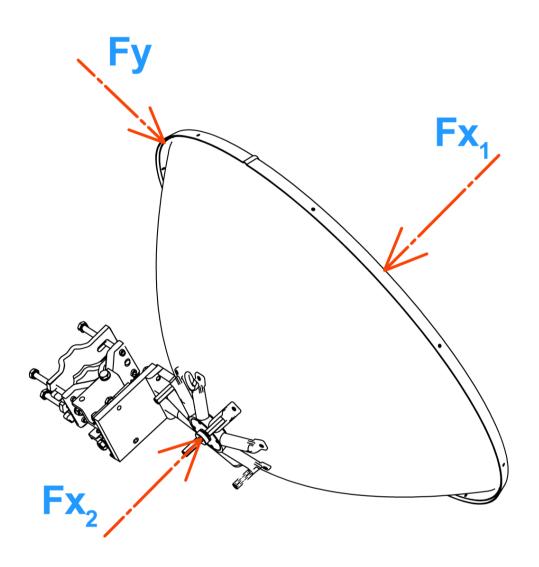
Outline:







Wind loading:



Wind Loading at 200 km/h (125 mph)		
Direction	Force [N]	Force [lbf]
Fx1	1443	325
Fx2	1324	298
Fy	91	20,5