

## Parabolic antenna JRMB-680-4.7 MIMO

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Antenna JRMB – 680 – 4.7 MIMO is designed for microwave links at the frequency band 4.7 GHz. It has deep reflector dish and massive holder which allows precise adjustment in both directions.

### Electrical parameters:

<b>Frequency range</b>	4.4 – 5.0 GHz
<b>Gain</b>	27.5 ± 1 dBi
<b>Beamwidth<sub>-3 dB</sub></b>	6.7°
<b>Front to back ratio</b>	≥ 45 dB
<b>Isolation between connectors</b>	> 35 dB
<b>Return loss</b>	≥ 14 dB
<b>Polarization</b>	Vertical and horizontal

### Mechanical parameters:

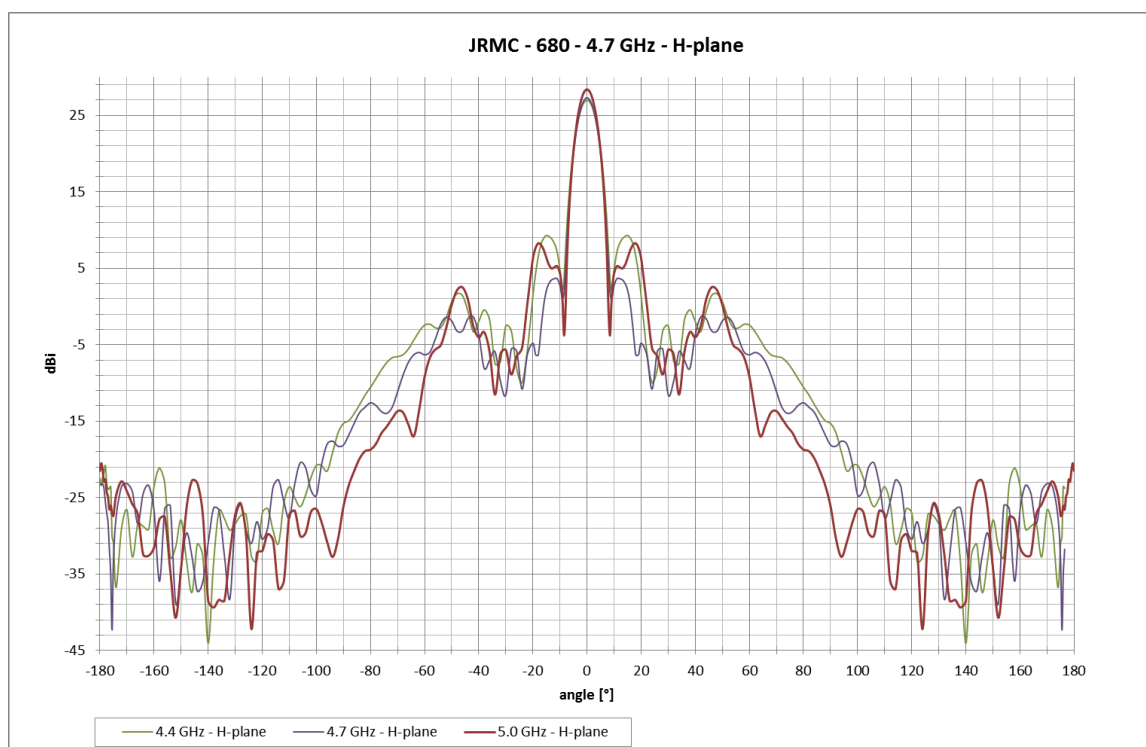
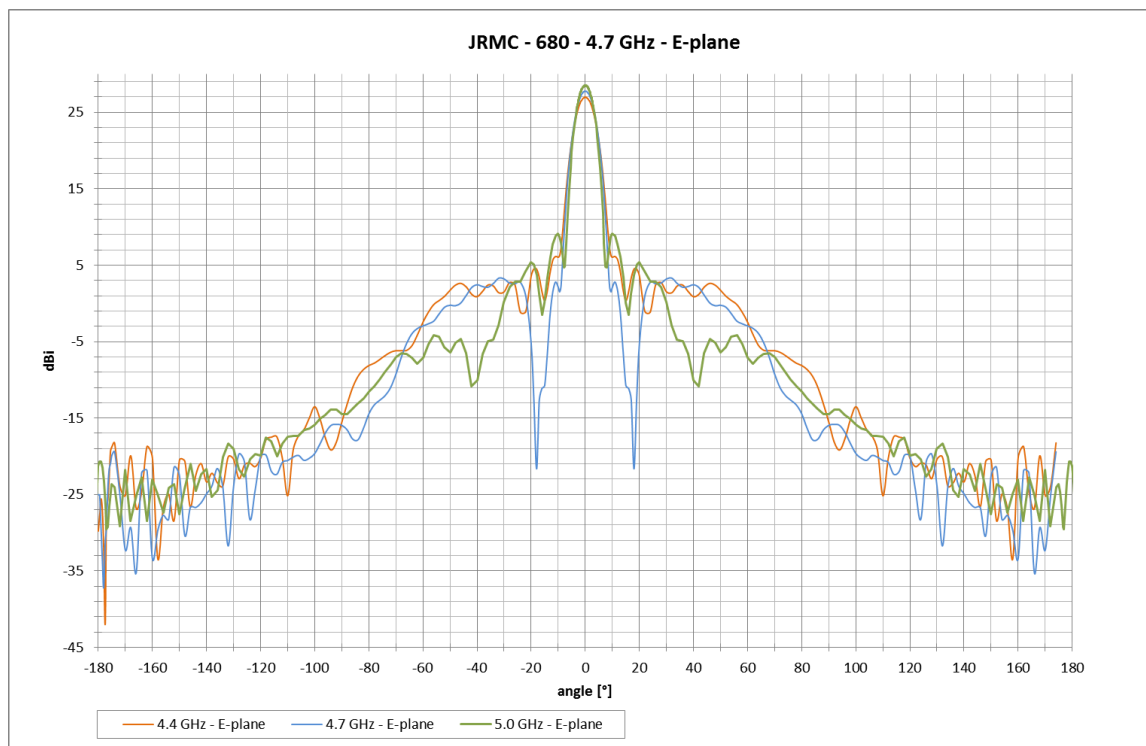
<b>Parabola</b>	Ø 680 mm , Aluminium alloy
<b>Radome</b>	UV steady plastic ABS
<b>Type of connector</b>	N-female
<b>Installation for mast</b>	Ø 40 - 120 mm
<b>Operating wind load</b>	180 km/h (112 mph)
<b>Survival wind load</b>	240 km/h (149 mph)
<b>Weight of antenna</b>	5.6 kg (12.3 lbs)

### Usage:

The antenna is supplied together with a bracket that allows easy mounting on a mast. Bracket can be installed separately on the mast. Subsequently, you can simply hang up the antenna into it. Bracket allows fine setting elevation (of gradient) and azimuth ± 20°. It is possible to mount to right and left side.

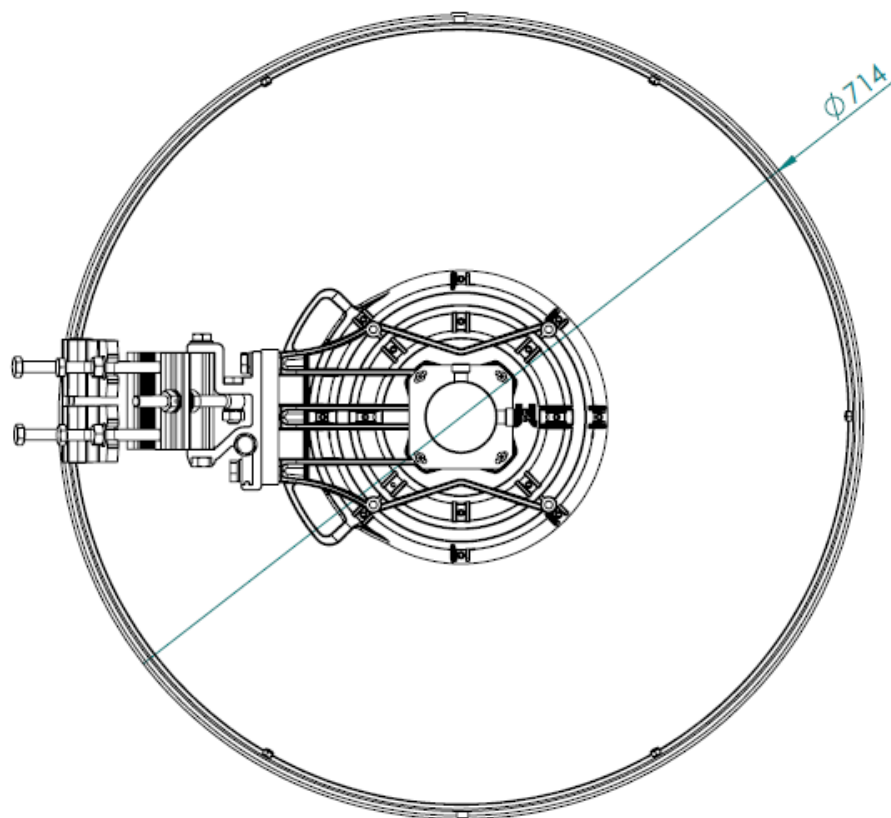
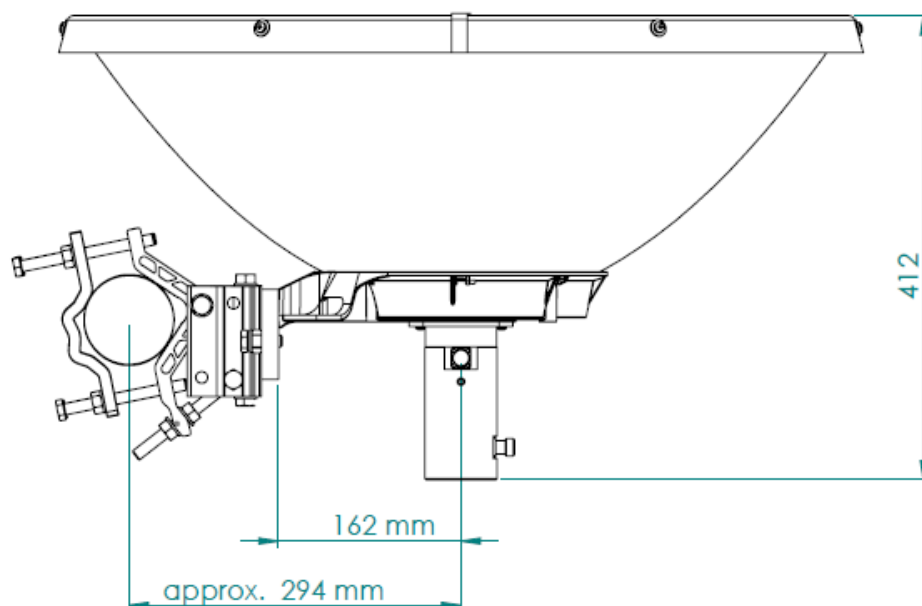
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## Measurement:



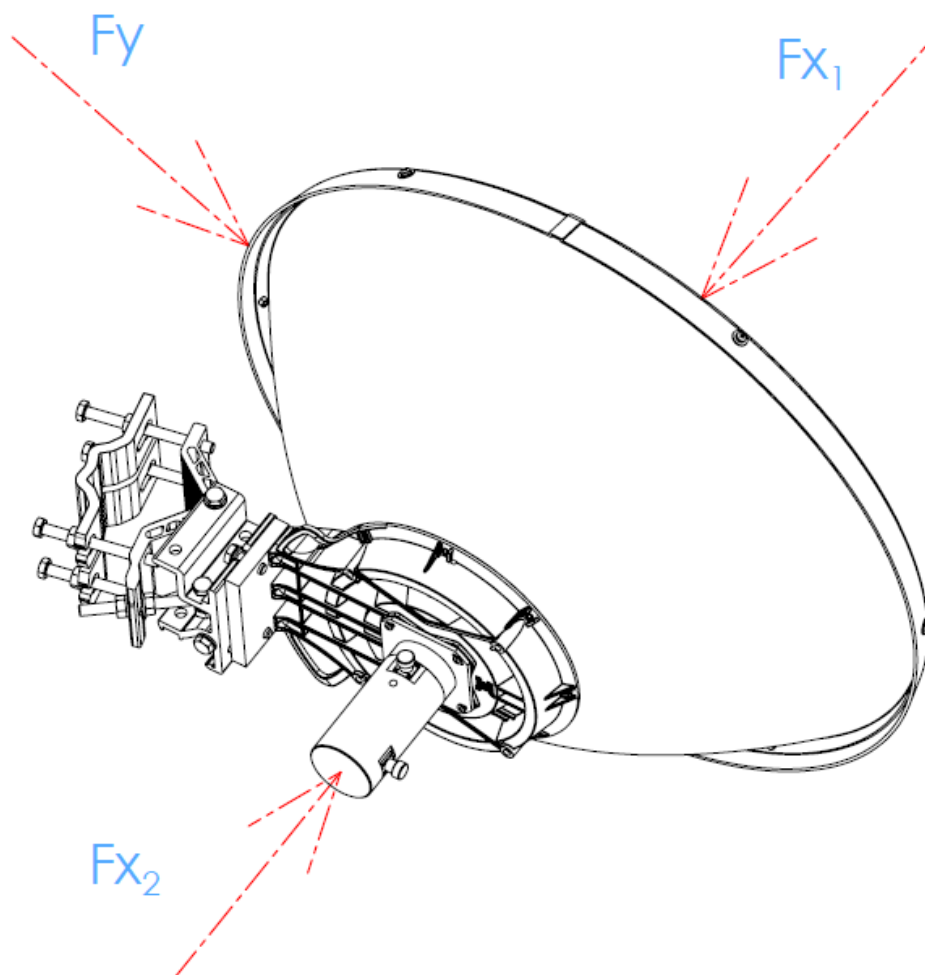
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### Outline:



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### Wind loading:



### Wind Loading at 200 km/h [125 mph]

Direction	Force [N]	Force [lbf]
$F_{x_1}$	707	158,9
$F_{x_2}$	792	178
$F_y$	71	15,9