4.5m for GOES-R/GOES-16

Prime Focus Antenna for GOES-R/GOES-16 Dual Circular Polarity Feeds

Features

Field Proven with Quorum Communications Feeds; Models ***GRBF-100*** and ***GRBF-200-CLA***

High Accuracy Antenna, Low Transportation Cost

125 Mph Wind Survival, High Wind Upgrade Available

Easy to Install, No Crane Needed

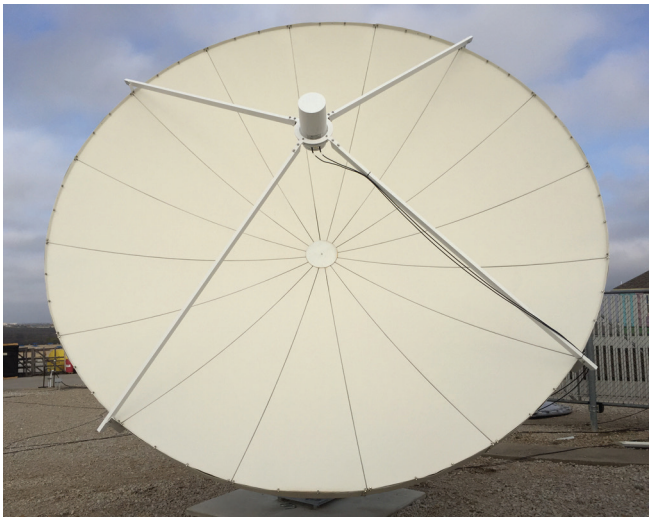
MADE IN THE USA

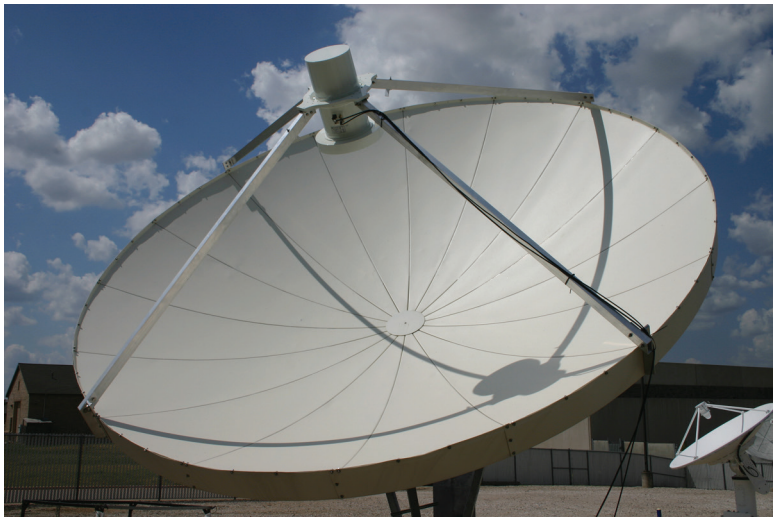
Description

Currently used to receive GOES-R by top scientists and universities, the Challenger 4.5 Meter Prime Focus antenna is manufactured in the United States and is the symbol of quality in the antenna industry.

This antenna features an aluminum reflector which is powder coated for superior protection against the elements. Challenger offers a variety of mounting options and stainless steel hardware is included.

The contoured petals with matched radial beams and hub assembly ensures ease of installation without field alignment.



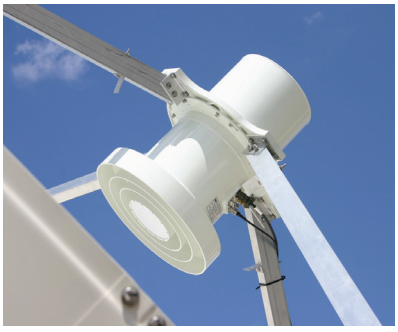


Typical Installations of GBRF-100 and GRBF-200-CLA Feeds

Mechanical Data	Az-El Head	King Post (Fixed & Motorized)
Azimuth Travel	360° Continuous	132° Arc
Elevation Travel	15° to 90°	15° to 90°
Polarization Travel	±90°	±90°
Total Weight	875 lbs.	875/725 lbs.
Crate Dimensions	112 x 46 x 42 in.	112 x 46 x 42 in.
		48 x 48 x 94 in.

Environmental Data		
Wind Loading	Operational:	60 mph (100 km/h)
	Survival:	125 mph (200 km/h)
Temperature	Operational:	-40° to 140° F (-40° to 60° C)
	Survival:	-60° to 180° F (-51° to 82° C)
Rain	Operational:	.5 in./hr (1.25 cm/hr)
	Survival:	3 in./hr (7.6 cm/hr)
Ice	Survival:	1 in. (2.5 cm) radial
		.5 in. (1.25 cm) radial + 60 mph (100 km/h)

GRBF-200-CLA Feed and Struts on 4.5m



The 4.5m Prime Focus reflector consists of 16 draw die formed petals and achieves a high surface accuracy. Radial beams are constructed of aluminum. The contoured petals and outboard skirts are powder coated for superior protection against the elements. GOES-R is a collaborative program of NOAA and NASA. http://www.goes-r.gov/

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