



PFA-150

The PFA-150 is A very compact & lightweight, fully motorized, dual optic offset antenna system including 6 segments; a 1.5m Gregorian offset reflector, sub-reflector, a quick-install feed-arm, feed-horn system, and three axes pedestal system.

The precision, accurate reflector surface provides remarkably low sidelobes and excellent cross-polar rejection performance for the antenna. Quickly installed feedhorn system is available in C, X, Ku, Ka, DBS Bands.

Thanks to its modular design, no tools are required for the installation of PFA-150. It is very easy to use so no special training is needed for the operator. Only two people make it ready for transmission in 10 minutes.

The antenna can be easily transported in two IATA weight-compliant flight cases. It can even be transported by a commercial airline to wherever you need to go!

Key Features

- High EIRP, high performance 1.5m Gregorian offset antenna with dual optics and very low sidelobe
- Carbon-Fiber
- 3 axis motorized autopointing system
- Optional De-Ice
- C, X, Ku and Ka Band options available
- High resistance for toughest weather conditions (wind, rain, sun...)
- Aluminium alloy tripod support legs
- Easy to install, easy to operate no training is needed



GENERAL SPECIFICATIONS

Reflector Diameter	1.5m
Reflector Type	Dual optics, Gregorian Offset
Setup Time	~10 Minutes
Antenna Concept	6 segmented
Number of Cases	2 IATA compliant rugged cases
Antenna Travels	AZ 360° EL 5° to 80° POL +/-115°

RF CHARACTERISTIC

		Ku-Band
Frequency (GHz)	Tx	13.75 - 14.50
	Rx	10.70 - 12.75
Antenna Gain (±0.2 dBi)	Tx	44 dBi @ 14.25 GHz
	Rx	42.5 dBi @11.75 GHz
Polarization		Linear
TX/RX Isolation		85 dB
Satellite Operator Compliancy		Compliant with most of satellite operator requirements
VSWR		1.3:1
Cross Polar Rejection		>35 dB within 1 dB beamwidth
DSNG EIRP		70dBW with 400W TWTA

ENVIRONMENTAL SPECIFICATIONS

Temperature	Operational	-30°C to 60°C
	Survival	-60°C to 70°C
Wind Speed	Operational	Up to 40 km/h
	Survival	55 km/h
Rain	Survival in heavy rainstorm	
Humidity	Up to 100% with condensation	

Compliances / Certificates



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