

Fly-Away Summary



1.8 M. Ku-Band Fly-Away



2.4 M Ku-Band Fly-Away



1.2 & 1.8 M. Ku-Band Fly-Away



35" INMARSAT Collapsible

Features

- Air Craft Baggage Shippable
- Fast Response, Dependable
- Portable, Light-Weight Antenna that Maneuvers Easily
- Easy Deployment, Fast Field Assembly
- Compact and Sturdy

Designed for worldwide transmit and receive operations, the versatile family of Fly-Away Antennas can be easily transported to any place in the world via domestic or international carrier. These portable antennas consist of a lightweight support structure with superior stiffness and high performance under wind loading conditions. Built compact and sturdy, each fly-away is lightweight and efficiently packed in rugged cases that double as a wheeled carrier that can be maneuvered with ease.

The versatile Fly-Away Antennas provide broadcast quality transmissions from any remote location. Designed for field locations installation, set up time is simple and fast allowing broadband content to be transmitted and received any time, any where.

Applications

- Satellite News Gathering (SNG)
- Government and Military Communications
- Remote Business Applications
- Broadcasting

Specifications: Fly-Away Antenna Systems

1.8 C/Ku-Band Offset Tx/Rx Antenna Specifications				2.4 C/Ku-Band Offset Tx/Rx Antenna Specifications			
GENERAL				GENERAL			
Type	1.8 Meter Air Transportable (Baggage)			Type	2.4 Meter (13 Piece)Air Transportable (Baggage)		
Mount Type	Tripod El/Az Carrier			Mount Type	Tripod El/Az Carrier		
Feed Type	Multi-Mode Prime Focus			Feed Type	Multi-Mode Prime Focus		
Polarization Control	Manual Remote			Polarization Control	Manual Remote		
RF				RF			
Operating Frequency				Operating Frequency			
Ku-Band	14.0 - 14.5 GHz		10.95 - 12.75 GHz	Ku-Band	14.0 - 14.5 GHz		10.95 - 12.75 GHz
Gain @ midband	46.7 dB		45.4 dB	Gain @ midband	49.2 dB		47.6 dB
3dB Beamwidth	0.9°		1.0°	3dB Beamwidth	0.61°		0.70°
VSWR (max)	1.3:1		1.3:1	VSWR (max)	1.3:1		1.3:1
Feed Flange	WR-75		WR-75	Feed Flange	WR-75F		WR-75F
Cross Pol, On-Axis	30dB Min		30dB Min	Cross Pol, On-Axis	30dB Min		30dB Min
Transmit Power	750 W CW (Max)n/a			Transmit Power	1KW (Max)		n/a
C-Band				C-Band			
Ku-Band	5.9 - 6.4 GHz		3.7 - 4.2 GHz	Ku-Band	5.85 - 6.4 GHz		3.65 - 4.2 GHz
Gain @ midband	35.5 dB		35.5 dB	Gain @ midband	42.0 dB		38.0 dB
3dB Beamwidth	1.8°		2.9°	3dB Beamwidth	1.5°		2.3°
VSWR (max)	1.3:1		1.3:1	VSWR (max)	1.3:1		1.3:1
Feed Flange	CPR-137G		PR-229G	Feed Flange	CPR-137G		PR-229G
Cross Pol, On-Axis	30dB Min		30dB Min	Cross Pol, On-Axis	30dB Min		30dB Min
Transmit Power	1KW (Max)		n/a	Transmit Power	1KW (Max)		n/a
Sidelobe Envelope				Sidelobe Envelope			
Antenna Noise Temperature	CCIR, INTELSA			Antenna Noise Temperature	CCIR, INTELSA		
3.65-4.2 GHz	28° K @ 20° EI			3.65-4.2 GHz	30° K @ 20° EI		
10.95-12.75 GHz	37° K @ 20° EI			10.95-12.75 GHz	37° K @ 20° EI		
Environmental				Environmental			
Operating Wind	50 mph			Operating Wind	30 mph		
Survival Wind	75 mph			Survival Wind	60 mph		
Operating Temperature	- 40 to 130° F			Operating Temperature	- 40 to 130 F		
Shipping Information				Shipping Information			
(3 Cases)	L	x	W	x	H	TOTAL	WEIGHT
Panels	33"		21"		26"	80"	115 lbs
Hub & Parts	25¾"		24¼"		22½"	72½"	100 lbs
Mount/Carrier	52"		15¾"		12¼"	80"	115 lbs
(6 Cases)	L	x	W	x	H	TOTAL	WEIGHT
Panels (2 Cases)	28.0"		40.5"		11.5"	80"	100 lbs
Hub	33.0"		33.0"		14.0"	80"	100 lbs
Mount	59.0"		10.5"		10.5"	80"	95 lbs
Mount	49.0"		15.5"		15.5"	80"	95 lbs
Mount	71.0"		4.5"		4.5"	80"	0 lbs

35" INMARSAT Collapsible Antenna Specifications			
GENERAL DESCRIPTION		ELECTRICAL	
Mechanical (Mount Option)	Antenna pointing 0° to 360° azimuth. Bubble level reference is provided. Angular scales provided for pointing. Antenna may be removed from housing for service and can be ordered separately		
Polarization	Right-Hand Circular		
Connector	SMA Female or Type 'N'		
ENVIRONMENTAL		Frequency Range	
Operating Humidity	100%		
Operating Temperature	- 40° to +160°F		
Operating Wind	30 MPH		
Net Weights	Reflector	8 lbs	
	Antenna w/ mount	35 lbs	
	Carrying Bag	6 lbs	
	Gain	1530-1647.5 MHz 20.6 dBc (decibels referred to a circular isotrope), minimum (at feed connector)	
	Axial Ratio	2dB, on axis, maximum	
	Operating Power	60 watts CW	
	VSWR	1.6 maximum	
	Sidelobe Envelope requirements	Meets INSMARSAT SES	