



# Antenna System, Man Pack

## Ku-Band, 1.2m, Carbon Fiber Reflector.



RADITEK's RANT-MP-Ku-CF-1.2m-AL-k20 Man Pack Antenna System, fits into 2 average sized cases. The compact design, comes with a segmented, light weight, Carbon fiber reflector and tripod mount. It is an easy to use, manual antenna positioning system with Elevation fine tuning, that most users, with minimal training, can use. The product complies with most military standards, and can be deployed in the roughest environmental conditions.

### Order Examples: RANT-MP-Ku-CF-1.2M-AL-k20

Description: (Antenna System, Man Pack, Ku-band, Carbon Fiber, 1.2 M reflector)

Specifications		
Antenna Type		Gregorian, Dual-reflector
Dish Material		Carbon Fiber
Aperture Size		1.2 x 1.1 m
Frequency	Rx	10.95 to 12. 75 GHz
	Tx	13.75 to 14.50 GHz
Gain	Rx	40.5 dBi
	Tx	41.5 dBi
Side Lobe Performance		29-25log Ø dBi
G/T		19.5 dB/K @ 20° EL.
V.S.W.R	Rx	≤1.3:1 @ LNB Input
	Tx	≤1.4:1 @ OMT Input
Tx/Rx Isolation		≥ 35 dB
Polarization Isolation		≥ 35dB (On axis)
Polarization (Tx & Rx)		Linear
RF Interface (Tx & Rx)		WR75
Azimuth		± 90°
Elevation		15 to 90°
Polarization		± 90°

Operating temperature	-35°C to +55°C
Storage Temperature	-40°C to +80°C
Operational Wind Speed	18 m/s
Sealing Class	IP65
Certifications	Designed to meet Eutelsat and Intelsat requirements
Packing	
Suitcase 1 Size	770 x 450 x 300 mm
Case 1 Weight (mount)	22 KG
Case 2 Size	790 x 450 x 330 mm
Case 2 Weight (with reflector "petals")	22 KG



RANT-MP-Ku-CF-1.2m-AL-k20

Specifications may be subject to change

12/02/14

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

Tel: (408) 266-7404

FAX: (408) 266-4483

WEB: [www.raditek.com](http://www.raditek.com)

E-mail: [sales@raditek.com](mailto:sales@raditek.com)