



**Full Band Single-Unit Antenna  
across the 240-400 MHz frequency**

## UHF SATCOM MANPACK Antenna

**MODEL SAT-MP-320**

GSA#: GS-35F-0020R

TACO's high gain UHF SATCOM antenna is designed for rapid deployment communications. The SAT-MP-320 covers the entire frequency band 240-400 MHz with a peak gain of 11 dBi. This single piece foldable antenna and tripod unit deploys in under 30 seconds with no additional parts. Built to military standards, this rugged yet small antenna includes a durable nylon carrying bag.

### Quick and Easy to Deploy

- Single piece unit, no extra parts or tools required
- 3 easy steps allow deployment in under 30 seconds
- Cam lock style tripod leg length adjustment allowing for easy setup on uneven terrain
- Extremely light and portable
- Compact size allows for better deployment options
- Tent pegs supplied for tripod stabilization

### Better Price and Performance

- Less expensive than comparable competitors' options
- Top quality ultra-flexible cable minimizes loss by 1 dB
- High gain throughout the 240-400 MHz frequency with no additional parts
- Single Azimuth / Elevation cam lock handle allows for smooth and intuitive pointing adjustments
- Self-deploying ridged RF connection interface omits connection failures associated to pigtail connections

### Flexible & Adaptable

- Storage bag mounts easily to the tripod base acting as a vessel for the addition of ballast
- Storage bag is equipped with MOLLE straps allowing for mounting to tactical vest and related mounting interface
- Approved for use by the U.S. Army and U.S. Navy
- UFO and MUOS compatible



Carrying Bag  
and Contents

TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.

### ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE (MHz)		240-400
GAIN (dBi)		11
VSWR	MAX.	2:1
	TYPICAL	1.5:1
POLARIZATION		Circular right hand
HPBW		68°
IMPEDANCE (Ohm)		50
CABLE		2 x 12.5' low loss, ultra-flexible with BNC Male to Female Connectors
CONNECTOR		BNC Male
MAXIMUM POWER		200 Watts
OPERATING TEMPERATURE		-40 to +80 °C (-40 to +180 °F)
STORAGE TEMPERATURE		-57 to +93 °C (-70 to +200 °F)

Designed to meet MIL STD 810G

NSN#: 5985-01-485-4672

Closely related to requirements defined within  
NSN 5985-01-149-2576 & NSN 5985-01-412-2109

Patent Pending No. 61/405694

### UHF SATCOM MANPACK Antenna

#### MODEL SAT-MP-320

- MUOS & UFO compatible
- Light, portable
- Single Unit deploys in under 30 seconds



### MECHANICAL SPECIFICATIONS

LENGTH: COLLAPSED	20 in. (50.8 cm)
DEPLOYED HELIX	38 in. (96.5 cm)
TOTAL WEIGHT	6.6 lbs. (3.0 kg)
COLOR	Dull black
GROUND PLANE DIAMETER	36.5 in (92.7 cm)
WIND AREA (NO ICE)	1.33 ft <sup>2</sup>

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