

Handheld Tactical Antennas
HTA-TACSAT-02
NSN 5985-01-627-0195
High performance UHF MILSATCOM communications for handheld radios

HTA-TACSAT-02 is a highly durable, lightweight unit with low visual profile that meets the soldier's need for satcom-on-the-move in the 243-318 MHz band. These antennas interoperate with handheld and manpack radios including:

Thales PRC-148 (MBITR) • Harris PRC-152 & PRC-117 • Raytheon PSC-5

- Durable, very rugged
- Impervious to dust, water, grit
- Silent to deploy, use, and pack
- Low visual profile; dark matte finishes
- Extremely lightweight and compact
- Easy to deploy and pack
- Available with optional "quick draw" thigh holster

Basic +5 dBiC configuration	+8 dBiC configuration with two gain extensions	Complete Antenna Package with Thigh Holster (HTA-TACSAT-02-CAPH)
		
<p>» HTA-TACSAT-02 kit comes with basic antenna, 2 gain extensions, 6-ft coaxial cable and Accessory Kit</p> <p>» Gain Extensions plug onto basic antenna, provide up to +8 dBic gain</p> <p>» Accessory Kit includes prehensile tripod, magnetic mount system, 20-ft extension coaxial cable, stuff sleeve and kit bag.</p> <ul style="list-style-type: none"> • Prehensile tripod sits on ground OR grips branches, railings, windowsills, other shapes • Magnetic mount grips any ferromagnetic surface <p>» Thigh Holster (optional) provides maximum convenience for "quick-draw" satcom-on-the-move</p> <ul style="list-style-type: none"> • Black Molle system straps and holster <p align="center"><i>Compared to legacy TACSAT antennas, HTA-TACSAT-02 is: Lighter weight Faster deploying Less visible More rugged Corrosion resistant Immersion resistant Modular, for quick reconfiguration</i></p>		

RF Specifications

Frequency Band	MILSATCOM (243-318 MHz)
Gain	+5 dBiC basic antenna +6.5 dBiC with one extension +8 dBiC with two extensions
Polarization	RHCP
Impedance	50 Ohm
VSWR	1.5:1
Power Rating	200W continuous
Patented	US 8,711,084
SSJ	Incorporates SBIR Technology SBIR Data Rights Apply

Mechanical Specifications

Weight	388 g (13.7 oz) basic antenna 490 g (17.3 oz) with two extensions
RF Connector	BNC Female
Materials	Rugged super-elastic metal elements; engineering polymer frame
Corrosion	100 percent non-corroding
Immersion	3-m water (not operational)
Color	Black and dark matte finishes
Temperature: Operating Storage	-31C to +60C (-24F to +140F) -33C to +71C (-28F to +160F)
Mounting	Pistol grip handle with 1/4-20 threaded insert in handle for standard tripods

PART NUMBERS

<p>Packages HTA-TACSAT-02, NSN: 5985-01-627-0195 Complete Antenna Package with 1 @ -B1 Antenna, 2 @ -GE Gain Extensions, 1 @ -AK Accessory Kit HTA-TACSAT-02-CAPH Complete Antenna Package (HTA-TACSAT-02) with 1 @ -TH Thigh Holster</p>	<p>Optional Thigh Holster, PN HTA-TACSAT-02-TH Also included with PN HTA-TACSAT-02-CAPH</p>
<p>Individual Items HTA-TACSAT-02-B1 Basic antenna with 6-ft coaxial cable with male BNC connectors (male TNC connector at one end available upon request), stuff sleeve, User Guide HTA-TACSAT-02-B2 Basic antenna with 1 @ -GE Gain Extension, +6.5 dBiC HTA-TACSAT-02-B3 Basic antenna with 2 @ -GE Gain Extensions, +8 dBiC HTA-TACSAT-02-GE Gain Extension HTA-TACSAT-02-TH Thigh Holster (Molle system) HTA-TACSAT-02-AK Accessory Kit with 20-ft coaxial extension cable with BNC M-F connectors (male TNC connector at one end available upon request), prehensile tripod, magnetic mounting kit, stuff sleeve, kit bag, operators card</p>	