




**Handheld Tactical Antennas**  
**HTA-TACSAT-02**  
**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)
		

- » **HTA-TACSAT-02 kit** comes with basic antenna, 2 gain extensions, 6-ft coaxial cable and Accessory Kit
- » **Gain Extensions** plug onto basic antenna, provide up to +8 dBic gain
- » **Accessory Kit** includes prehensile tripod, magnetic mount system, 20-ft extension coaxial cable, and kit bag.
  - Prehensile tripod sits on ground OR grips branches, railings, windowsills, other shapes
  - Magnetic mount grips any ferromagnetic surface
- » **Thigh Holster** (optional) provides maximum convenience for "quick-draw" satcom-on-the-move
  - Black Molle system straps and holster

*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*

**RF Specifications**

<b>Frequency Band</b>	MILSATCOM (243-318 MHz)
<b>Gain</b>	5 dBiC basic antenna 8 dBiC with two extensions
<b>Polarization</b>	RHCP
<b>Impedance</b>	50 Ohm
<b>VSWR</b>	1.5:1
<b>Power Rating</b>	200W continuous

**Mechanical Specifications**

<b>Weight</b>	368 g (13 oz) basic antenna 481 g (17 oz) with two extensions
<b>RF Connector</b>	BNC Female
<b>Materials</b>	Rugged super-elastic metal elements; engineering polymer frame
<b>Corrosion</b>	100 percent non-corroding
<b>Immersion</b>	3-m water (not operational)
<b>Color</b>	Black and dark matte finishes
<b>Operating Temperature</b>	-30C to +70C
<b>Mounting</b>	Pistol grip handle with 1/4-20 threaded insert in handle for standard tripods

**PART NUMBERS**

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