

Handheld Tactical Antennas

High performance communications for handheld radios

Increase the communications range you need for critical missions with handheld tactical antennas. Rugged, light units with low visual profiles meet the need for:

- » **UHF military satellite communications (UHF MILSATCOM, “TACSAT”)**
- » **VHF/UHF line-of-sight (LOS) and SINGARS communications**

These antennas interoperate with handheld and manpack radios including:

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

These innovative, tactically rugged antennas are:

- Rugged, impervious to water and grit
- Silent to deploy, use, and pack
- Low visual profile, using camouflage or dark matte finishes
- Extremely lightweight and small
- Capable of talking further. LOS models talk 4X further than manufacturer’s broadband “rubber ducky” antenna.

Freq. Band	Model	Comments
TACSAT	HTA-TACSAT-02	+8 dBi , 200W TX power 17 oz (481 g) antenna with gain extension. HTA-TACSAT-02 Complete Antenna Kit ships with basic antenna, stuff sleeve, two gain extensions, prehensile tripod, magnetic mount, 6-ft and 20-ft coax cables, and kit bag. Optional Thigh Holster available.
	HTA-TACSAT-03	+5 dBi , 200W TX power 13.8 oz (391 g) antenna with gain extension. HTA-TACSAT-03 Complete Antenna Kit ships with basic antenna with extension, prehensile tripod, magnetic mount, stuff sack, 6-ft and 20-ft coax cables, and kit bag.
SINGARS	HTA-SINGARS	Body-worn SINGARS antenna (30–88 MHz) for intra-squad communications with handheld radios. Antenna runs from a handheld radio in either chest pocket over the shoulder and threads into webbing on back of tactical vest. 4.1 oz (115 g) antenna
UHF	HTA-420Y2	+6.5 dBi from 370–460 MHz, 60W TX 8 oz (225 g) soft antenna with stuff sack <i>Other frequency bands available</i>
VHF	HTA-160Y1	+6.5 dBi from 150–170 MHz, 60W TX 21 oz (595 g) soft antenna can be suspended or mounted on optional 18 oz (510 g) tripod Antenna plus tripod packs into single stuff sack <i>Other frequency bands available</i>

HTA-TACSAT-02 for UHF MILSATCOM (“TACSAT”)



- » HTA-TACSAT Antenna Kits includes basic antenna, stuff sleeve, antenna extension(s), prehensile tripod, 6-foot coaxial cable, 20-ft extension coaxial cable, kit bag, and User Guide.
- » Prehensile tripod sits on ground OR grips branches, railings, windowsills, other shapes
- » Magnetic mount grips any ferromagnetic surface

HTA-TACSAT-03 for UHF MILSATCOM (“TACSAT”)



- » Optional thigh holster available (-02 only)
- » Matte black and dark finishes, low visual profile
- » Compared to legacy TACSAT antennas, these antennas are: Lighter weight | Faster deploying | Less visible | More rugged | Corrosion resistant | Immersion resistant | Modular, for quick reconfiguration

HTA-SINGGARS Vest Antenna



- » For SINGGARS, 30-88 MHz
- » Body-worn antenna threads into webbing of tactical vest
- » Available in beige or black

HTA-420Y2 for UHF Comms



- » High performance directional UHF-band antenna
- » Held in the user’s hand and pointed
- » Available in desert or jungle camouflage

HTA-160Y1 for VHF Comms



- » High performance directional VHF-band antenna
- » Installed on optional tripod or suspended and pointed
- » Available in desert or jungle camouflage

Syntonics will be pleased to quote custom frequencies, finishes, and other application-specific revisions.