

Handheld UHF SATCOM Antenna

The ARA-243 series are the smallest, sturdiest, lightest, most powerful, and rugged handheld Ultra High Frequency (UHF) SATCOM antennas available to the warfighter today. ARA developed the best miniature tactile satellite (TACSAT) antenna to satisfy the needs and requirements of the Special Operations Force (SOF) communicators of the Army Special Forces.

The ARA-243 incorporates a quick detachable connect system that allows operators to easily attach a selection of interchangeable accessories like folding grips, tripods, ground spikes and magnetic mounts. The main body is built to IP68 specifications and has a unique design that eliminates binding, reduces internal wiring, and prevents accidental opening. ARA-243 is used with the PRC-117F, PRC-117G, PSC-5D, MBITR, JEM, MBITR2, PRC-152A and any radio capable of UHF SATCOM.



Specifications:

Gain	5 dBic (7 dBic with optional extenders)
Frequency	240 to 318 MHz
Polarization	Right-hand circular
Impedance	50 Ω
VSWR	<1.5:1
Operating Temperature	-40° to +71°C (MIL-STD-810G)
Storage Temperature	-47° to +85°C (MIL-STD-810G)
Immersion	2 hr, 2 meter
Power Handling	150 W CW
Antenna Connector	BNC Female
Cable	4' BNC Male to TNC Male
Weight	0.95 lbs (6.5 lbs with hard case)

Antenna Type	Yagi
Application	Military Communications, Military SATCOM
Frequency Band	UHF (0.3 to 6 GHz)
Polarization	Right-hand circular

Features

- Directors/gain extenders provide additional +2 dBic of gain
- Deployment time: < 30 sec
- Weight: 0.95 lbs (6.5 lbs with hard case)
- Available in black (default), tan, or green finish
- Multiple grip and mounting configurations
- Compact size - fits in breast pocket
- Submersible
- Made in the USA

This datasheet has been released into the public domain in accordance with International Traffic in Arms Regulations (ITAR) 22 CFR 120.11(6).

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Configurations:

	Folding Pistol Grip	4' Coax Cable	Mag/Stake Mount	Tripod	GorillaPod	Nylon Pouch	Pelican Case	Reference Guide
ARA-243-Kit-A	X	X	X	X		X		X
ARA-243-Kit-B	X	X	X	X		X	X	X
ARA-243-Kit-C		X	X		X	X	X	X
ARA-243-Kit-D	X	X	X	X	X	X	X	X
ARA-243-Kit-P	X	X				X		X

Optional DR-243 directors/gain extenders provide an additional 2 dBic of gain and can be added to any ARA-243 Series antenna

Hardware color options: Black (1/default), tan (2), green (3)

Pouch color options: Black (A/default), tan (B), green (C), Army multi-cam (D), MARPAT green (E), MARPAT tan (F)

Example: ARA-243-KIT-A1C = ARA-243-KIT-A with black hardware and green pouch

ARA-243-KIT-C3C = ARA-243-KIT-C with green hardware and green pouch

