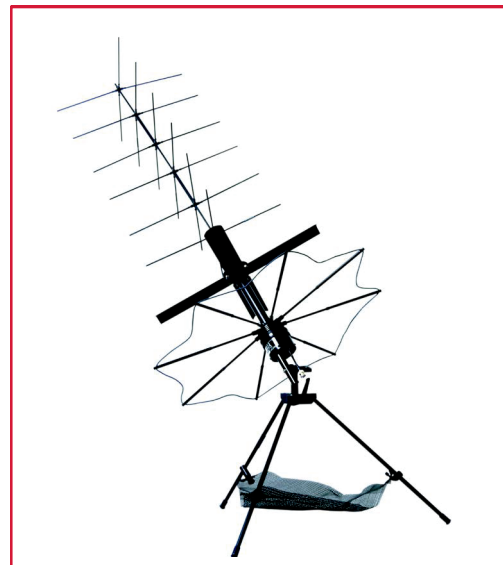


## Foldable UHF/MUOS SATCOM Antenna

The ARA-2577 series are high-gain, foldable Yagi antennas designed and tested for military use. They provide communication in MUOS and UHF SATCOM. They are mounted on a tripod, and are ideal for tactical and field applications. These are highly durable antennas that can be deployed several thousand times by military troops in harsh environments. The black anodized finish is suitable for use in any harsh environment around the world. The complete assembly is folded and supplied in a water-resistant carrying bag. These antennas are fully compatible with the Harris AN/PRC-117F/G, AN/PRC-152A, Thales AN/PRC-148 MBITR and Raytheon AN/PSC-5 radios. They operate with PRC-117F, PRC-117G, PSC-5D, MBITR, JEM, MBITR2, PRC-152A and any radio capable of UHF SATCOM. These antennas are equipped with a ballast net for operation at high wind speeds. An optional hard case (HC-2577) is available on request.



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

## Features

- Directors/gain extenders provide an additional 2.0 dBic gain
- Deployment time: < 3 min
- Black anodized finish
- Tripod with AZ and EL mount
- Packaged in 20" x 6" x 6" water-resistant bag
- Compact size
- 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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## Specifications:

<b>Gain</b>	7.0 to 11.0 dBic
<b>Frequency</b>	240 to 380 MHz
<b>Polarization</b>	Right-hand circular
<b>Impedance</b>	50 $\Omega$
<b>VSWR</b>	<1.5:1
<b>Operating Temperature</b>	-40° to +71°C
<b>Storage Temperature</b>	-47° to +85°C
<b>Power Handling</b>	200 W CW
<b>Antenna Connector</b>	BNC Male
<b>Cables</b>	12' with BNC Female to TNC Male adapter 12' with BNC Female to Type-N Male adapter

## Configurations:

	ARA-2577	ARA-2577-2EX	ARA-2577-6EX
<b>Gain</b>	7.0 dBic	9.0 dBic	11.0 dBic
<b>Beamwidth (nominal)</b>	100 °	80 °	65 °
<b>Directors/Gain Extenders</b>	Not included	2 included	2 included