



L3HARRIS™
FAST. FORWARD.

RF-3081-AT001

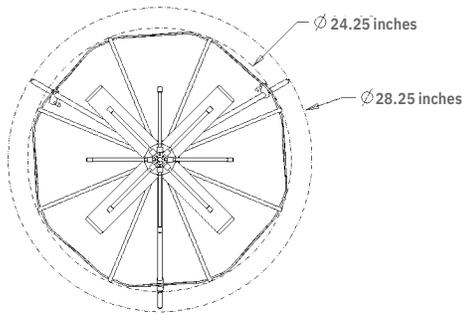
MUOS At-the-Pause Antenna

GENERAL	
Compatibility	Legacy SATCOM: AN/PRC-117G, RF-300M-V255, AN/PRC-117F(C), AN/VRC-103(V), AN/VRC-110, AN/PRC-158 MUOS SATCOM: AN/PRC-117G (with MUOS upgrade and Diplexer), AN/PRC-158 (with MUOS upgrade)
POWER	
Frequency Range	240 - 380 MHz
Polarization	Right hand circularly polarized
Impedance	50 ohm (nominal)
VSWR	1.5:1
Gain	+12.0 dBic
Power Rating	200 W continuous power
PHYSICAL	
Dimensions	See diagrams on back page
Weight	6.5 lbs maximum (2.95 kg)
Color/Finish	Black matte finish
ENVIRONMENTAL	
Temperature	Per MIL-STD-810F, -40°F to +159.8°F (-40°C to +71°C) operating
INTERFACE	
RF Connector	BNC-Type Male
STANDARD KIT INCLUDES	
12006-7400-01	RF-3081-AT001 At-the-Pause Antenna
12006-2511-A1	BNC(M) to BNC(F) Cable Assembly with N Adapter
12006-2512-A1	BNC(M) to BNC(F) Cable Assembly with TNC Adapter
12006-7403-01	RF-3081-AT001 Antenna Storage Bag
10515-0500-4100	RF-3081-AT001 Antenna Instruction Manual

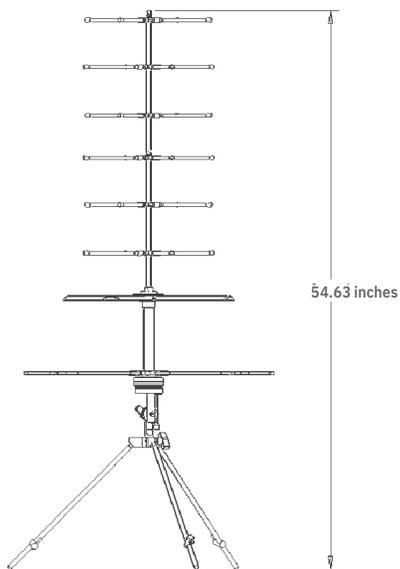


The RF-3081-AT001 crossed Yagi satellite antenna provides full-duplex MUOS and legacy UHF SATCOM connectivity. Designed for both rapid deployment and high-gain radiation patterns, the antenna is foldable and fits into a lightweight, small-volume carry bag. The antenna achieves a circularly polarized radiating field through an internal hybrid matching network which feeds two flat dipole elements. Its reflector has eight radial arms that cast back the energy from the driven elements. The design of the four-element director sets simplifies set-up, increases reliability and focuses the beam into a narrow radiation pattern for increased gain. The RF-3081-AT001 includes a feed system and reflector, two sets of directors, a tripod, two coaxial cable assemblies and a carry bag.

TOP VIEW



ELEVATION VIEW



RF-3081-AT001 MUOS At-the-Pause Antenna
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