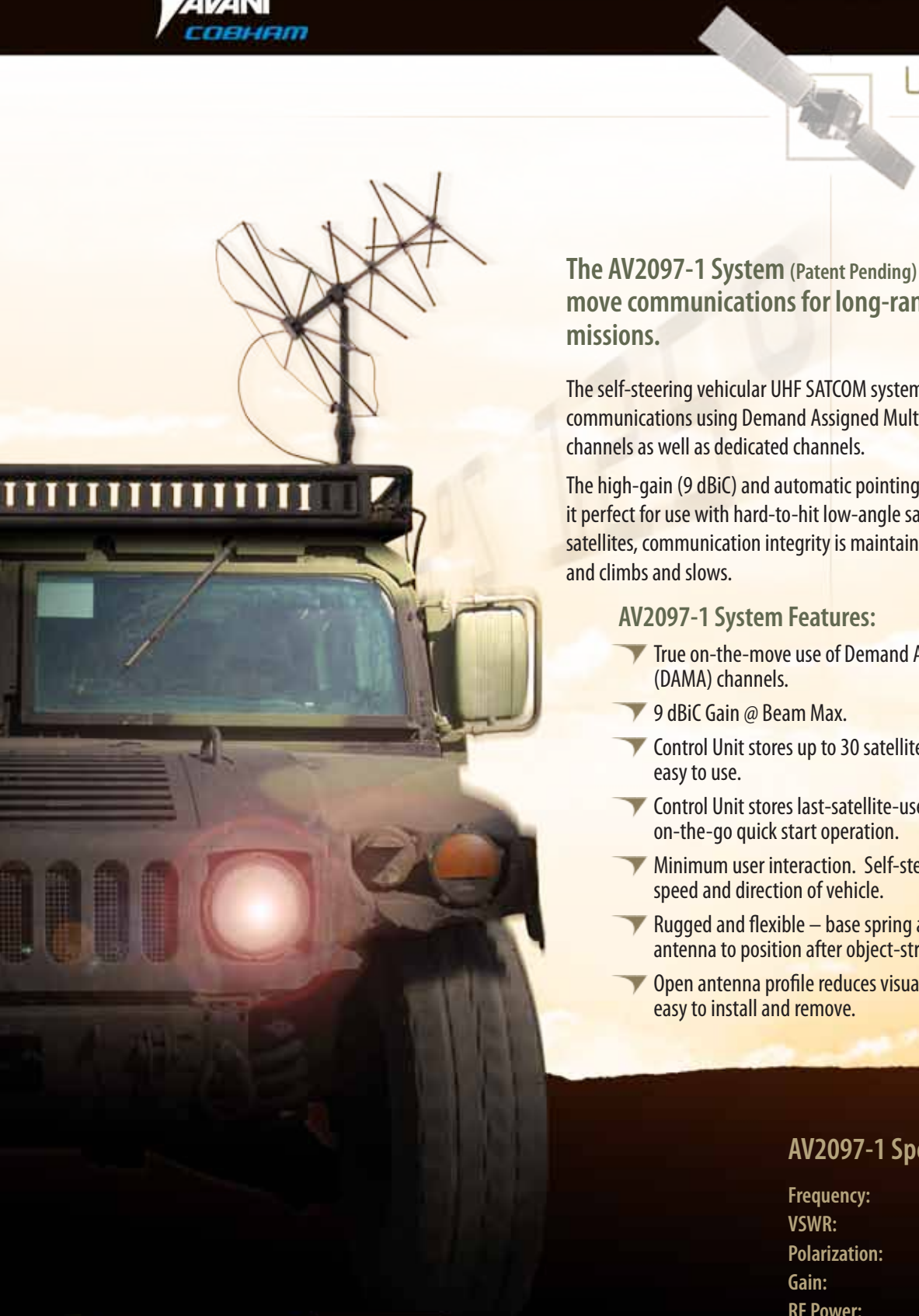
AV2097-1 SELF-STEERING VEHICULAR UHF SATCOM ANTENNA SYSTEM

Patent Pending



The AV2097-1 System (Patent Pending) provides true on-the-move communications for long-range or over-the-horizon missions.

The self-steering vehicular UHF SATCOM system provides reliable on-the-move communications using Demand Assigned Multiple Access (DAMA) satellite channels as well as dedicated channels.

The high-gain (9 dBiC) and automatic pointing capability of the system make it perfect for use with hard-to-hit low-angle satellites. Even with low-angle satellites, communication integrity is maintained as the vehicle speeds and turns and climbs and slows.

AV2097-1 System Features:

- True on-the-move use of Demand Assigned Multiple Access (DAMA) channels.
- 9 dBiC Gain @ Beam Max.
- Control Unit stores up to 30 satellite profiles and is extremely easy to use.
- Control Unit stores last-satellite-used information for immediate on-the-go quick start operation.
- Minimum user interaction. Self-steering antenna auto-adjusts to speed and direction of vehicle.
- Rugged and flexible – base spring and flexible element joints return antenna to position after object-strike.
- Open antenna profile reduces visual profile, optimizes gain and is easy to install and remove.

AV2097-1 Specifications:

Frequency:	240-330 MHz
VSWR:	1:5:1 Max
Polarization:	RHC
Gain:	9 dBIC @ Beam Max
RF Power:	200 Watts
Impedance:	50 Ohms Nominal
Weight:	19 Lbs. W/ Cables
DC Power:	10-32 VDC, 1A Max at 24 VDC
Finish:	Black

Trivec Avant
17831 Jamestown Lane
Huntington Beach, CA 92647
714-841-4976

www.trivec.com